

VOLUME 19
NUMBER 5
SEPTEMBER-OCTOBER 2017

DEMOLITION &

demolition

RECYCLING INTERNATIONAL

www.demolitionworld.com

A KHL Group publication



**Industrial
demolition**

**Erith
Contractors
interview**

**WORLD
DEMOLITION
AWARDS 2017**

Supplement

Breakers

Do you want 10% more uptime?

That's how we make the big difference, the Metso Way.

The Metso MX™ cone crusher is based on the patented Multi-Action crushing technology, which combines the piston and rotating bowl into a single crusher. The new crusher provides a giant leap in profitability, cutting operational costs by 10% and enabling 10% greater uptime compared to traditional cone crushers.

Find out more at www.metso.com/mx

#TheMetsoWay



KHL OFFICES

UNITED KINGDOM (HEAD OFFICE)

Southfields, Southview Road,
 Wadhurst, East Sussex TN5 6TP, UK.
 Tel: +44 (0)1892 784088
 Fax: +44 (0)1892 784086
 www.khl.com

USA OFFICE

KHL Group Americas LLC
 3726 E. Ember Glow Way,
 Phoenix, AZ 85050, USA.
 Tel: +1 480 659 0578
 e-mail: trevor.pease@khl.com

SOUTH AMERICA OFFICE

KHL Group Americas LLC
 Manquehue Norte 151, of 1108. Las Condes
 Santiago, Chile
 Tel: +56 2 2885 0321
 e-mail: cristian.peters@khl.com

CHINA OFFICE

KHL Group China
 Room 768, Poly Plaza, No. 14, South Dong Zhi
 Men Street, Dong Cheng District,
 Beijing 100027, P.R. China
 Tel: +86 (0)10 6553 6676
 e-mail: cathy.yao@khl.com

EDITORIAL

EDITOR:

Steve Ducker, UK Head Office
 Tel: +44 (0)1892 786210
 e-mail: steve.ducker@khl.com
 Twitter: @KHL_DRI

SPECIALIST WRITERS:

Lindsey Anderson, Alex Dahm, Sandy Guthrie,
 Mike Hayes, Joe Malone, Cristián Peters,
 Murray Pollak, D. Ann Shiffler, Euan Youdale

EDITORIAL DIRECTOR:

Paul Marsden

PUBLISHER:

James King

SALES

SALES MANAGER and UK:

Lynn Collett, UK Head Office
 Tel: +44 (0)1892 786219
 e-mail: lynn.collett@khl.com

CHINA: Cathy Yao

Tel: +86 10 6553 6676
 e-mail: cathy.yao@khl.com

FRANCE: Hamilton Pearman

Tel: +33 1 45 93 08 58
 e-mail: hpearman@wanadoo.fr

ITALY: Fabio Potestà

Tel: +39 010 570 4948
 e-mail: info@mediapointsrli.it

JAPAN: Michihiro Kawahara

Tel: +81 (0)3 3212 3671
 e-mail: kawahara@rayden.jp

KOREA: CH Park

Tel: +82 2 730 1234
 e-mail: mci@unitel.co.kr

BENELUX: Bridget Leary

Tel: +44 (0)1892 786220
 e-mail: bridget.leary@khl.com

NORDIC COUNTRIES: Peter Gilmore

Tel: +44 (0)20 7834 5559
 e-mail: pggilmores@aol.com

SPAIN: Mike Posener

Tel: +353 86 043 1219
 e-mail: mike.posener@khl.com

TURKEY: Emre Apa

Tel: +90 (0)532 324 36 16
 e-mail: emre.apa@apayayincilik.com.tr

SWITZERLAND/GERMANY/AUSTRIA:

Simon Battersby

Tel: +44 (0)1892 786232
 e-mail: simon.battersby@khl.com

USA/CANADA:

Matt Burk

Tel: +1 312 496 3314
 e-mail: matt.burk@khl.com

Wil Holloway

Tel: +1 312 929 2563
 e-mail: wil.holloway@khl.com

Thomas Kavooras

Tel: +1 312 929 3478
 e-mail: thomas.kavooras@khl.com

Alister Williams

Tel: +1 312 860 6775
 e-mail: alister.williams@khl.com

CLASSIFIED SALES: Julia Bossie

Tel: +44 (0)1892 786204
 e-mail: julia.bossie@khl.com

VP GLOBAL SALES: Trevor Pease

e-mail: trevor.pease@khl.com

CONTENTS

NEWS

4 WORLD NEWS

World Demolition Awards shortlists announced; United Kingdom's demolition degree qualification welcomes its first students; reorganisation at Metso; Steinexpo reports increased visitor numbers compared to 2014; new EMEA sales appointment for Case Construction Equipment; milestone for Considerate Constructors Scheme;

SPECIAL FEATURES

9 INTERVIEW - ERITH CONTRACTORS

David Darsey is celebrating the 50th anniversary of his company's formation and his first year as president of the Institute of Demolition Engineers at the same time. *D&Ri* catches up with him

12 INDUSTRIAL DEMOLITION

How the role of recycling in industrial demolition projects has changed significantly in the past decade; together with a view from a US contractor and a look at developments in cranes and trailers

17 BREAKERS

See 'On The Cover'

21 WORLD DEMOLITION SUMMIT AND AWARDS

It's all happening in London on November 2, and our in-depth supplement has all the details:

- 22** Civils Demolition
- 24** Collaboration
- 27** Contract of the Year under US\$1 million
- 32** Contract of the Year US\$1 million and over
- 35** Explosive Demolition
- 37** Industrial Demolition
- 40** Manufacturers' Innovation Plant and Equipment
- 43** Manufacturers' Innovation Tools and Attachments
- 47** Recycling and Environmental
- 49** Safety and Training
- 50** Urban Demolition
- 53** Awards Judges
- 55** World Demolition Summit speakers; Past Award winners; Sponsors

DEMOLITION PORTFOLIO

DIRECTORY



SPECIAL REPORT



WEBSITE



eNEWSLETTER



TOPLIST



EVENTS



www.demolitionsummit.com

ON THE COVER

Dehaco's Ibox series hydraulic breakers comprise 14 models across two series of products. Catch up with developments in breaker technology and applications starting on page 17



REGULAR FEATURES

61 IN ACTION

Central Demolition takes down a piece of Scottish folklore; teamwork pays off in Siberia; Hyundai excavator in major Luxembourg project

66 EQUIPMENT

Case goes for size and power; electric drive is a first for Cat

68 EDA NEWS

Two new companies join up

69 CLASSIFIED

MEMBER OF



Demolition & Recycling International (D&Ri) makes every effort to report news accurately, but is not responsible for the validity of claims. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recording or information storage or retrieval system without written permission from the publisher.

Demolition & Recycling International. Second class postage paid at Champlain, New York and additional entries. Postmaster: Send address corrections to *Demolition & Recycling International*, c/o I.M.S., Box 1518, Champlain, NY 12919



© Copyright
 KHL Group 2017
 ISSN 1465-9778

DEMOLITION BITS

■ A six week project to demolish buildings at Ironbridge power station in Shropshire, UK, is underway (BBC)

■ A total of 40 of the scheduled 70 blighted home demolitions in Kalamazoo County, Michigan, have been completed (mlive.com)

■ The Hong Kong Observation Wheel has been saved from demolition after an 11th hour agreement between the incoming and current operators (Hong Kong Free Press)

■ The Highland Park theatre in Chicago, USA, is holding an online auction ahead of the building's demolition in October (Chicago Tribune)

■ The Mayor of Munich has expressed anger at the illegal demolition of the 180-year-old handworker's cottage in the Giesing area of the city (thelocal.de)



World Demolition Awards shortlists announced

A total of 43 entries from 32 companies – including entrants from Brazil, Russia and Singapore – will contest the World Demolition Awards which take place in London, United Kingdom on the evening of Thursday November 2.

Now in their ninth year, the awards will be presented during the World Demolition Summit at the Millennium Gloucester Hotel.

With 11 categories shortlisted it's certain to be a tense, though enjoyable, evening for all concerned.

The full list of shortlisted companies is as follows:

CIVILS DEMOLITION

- Coleman Group
- Delsan-AIM
- Priestly Demolition

COLLABORATION IN DEMOLITION

- Brandenburg Industrial Service Company
- C&D Consultancy/777 Demolition
- Erith Contractors

CONTRACT OF THE YEAR UNDER US\$1 MILLION

- C&D Consultancy/Apex Group

Russian company Raz-Max is part of the international line up for this year's awards

- Ceres New Zealand
- Ginlee Construction
- Priestly Demolition

CONTRACT OF THE YEAR US\$1 MILLION AND OVER

- Ceres New Zealand
- Erith Contractors
- Ferma Corporation
- Rachel Contracting

EXPLOSIVE DEMOLITION

- Cardem
- Jet Demolition
- Safedem

INDUSTRIAL DEMOLITION

- DDM Demontage
- Delsan-AIM
- Erith Contractors
- Raz-Max

MANUFACTURERS' INNOVATION, PLANT AND EQUIPMENT

- Kocurek
- Komatsu Europe
- Red Rhino
- XL Industries

MANUFACTURERS' INNOVATION, TOOLS AND ATTACHMENTS

- Demolition Resources Inc
- Husqvarna Construction Products
- LaBounty
- MB Crusher
- VTN Europe



RECYCLING AND ENVIRONMENTAL

- Centro Clinico Sudoeste
- Keltbray
- Perfect Contracting
- Priestly Demolition

SAFETY AND TRAINING

- AR Demolition
- Coleman Group
- Erith Contractors
- Perfect Contracting

URBAN DEMOLITION

- Berg Corporation
- Erith Contractors
- Liberty Industrial
- O'Keefe Demolition
- Rye Demolition.

The World Demolition Awards are organised by *Demolition & Recycling International* magazine in co-operation with the European Demolition Association and with the support of the US National Demolition Association.

Headline sponsor is Volvo Construction Equipment.

For more details, including sponsorships and delegate sales, please visit:

www.demolitionsummit.com

Our guide to shortlisted entries starts on page 21.

Reorganisation at Metso

A reorganisation at Finland-based Metso will lead to two separate business areas – Minerals Services and Minerals Consumables, with the heads of the business areas reporting to new president and CEO Nico Delvaux.

The company said that both new business areas would work in close co-operation with the Minerals Capital business “to offer optimal end-to-end solutions for their customers.”

The heads of the business areas will also be members of Metso's executive team.

The Minerals Services business area will consist of spare parts and service solutions, as well as supporting distribution and repair centres.

The Minerals Consumables business area will consist of wear part businesses together with the foundries and other manufacturing operations, as well as supply chain infrastructure.

“The new structure will allow a natural split of the services businesses and a clearer focus to drive further growth for services in close co-operation with the minerals equipment businesses,” said Nico Delvaux.

The new organisational structure will become effective at the beginning of 2018, and Metso said that the presidents of the new business areas would be appointed in the near future.

A United Kingdom university has officially launched the country's first master's degree course in demolition management.

The University of Wolverhampton is offering the qualification after signing a memorandum of understanding with the Institute of Demolition Engineers last year. The Institute of Demolition Engineers-accredited course will be delivered by both academic and demolition sector experts. The university said that demolition companies work on more than £8 billion (US\$10.5 billion) of projects each year.

One of the first people to sign up for the course was Richard Dolman, director of midlands-based contractor AR Demolition, pictured here with Dr Paul Hampton (head of built environment at the university), his AR colleague Patricia Sloneczny, and John Woodward of C&D Consultancy



PEOPLE NEWS



■ Case Construction Equipment has announced the appointment of **Jose Cuadrado** as vice president for the EMEA (Europe, Middle East and Africa) region for CNH Industrial's construction equipment businesses.

Jose boasts more than 15 years' experience in the industrial, construction and agricultural equipment sectors.

His most recent role was vice president of Bobcat BU EMEA, where his responsibilities included sales, product marketing, engineering, programme management and supply chain operations.



■ The UK's Construction Equipment Association (CEA) has announced **David Bell** as its first ever

honorary president. David currently holds a directors role at manufacturer JCB, where he has worked for 43 years, joining in 1974 as a graduate trainee, following an engineering apprenticeship at Rolls Royce in Derby, UK.

During his 43-year career at JCB, David has held a variety of senior roles.

Milestone for CC scheme

The Considerate Constructors Scheme – the United Kingdom's national initiative to improve the image of the construction industry – has reached a major milestone by registering its 100,000th site.

Contractor Mulalley made the all-important registration for a housing development in the south of England.

The Infrastructure and Project Authority's head of construction, Dr David Hancock, welcomed the achievement.

"It was a pleasure to present at the Considerate Constructors Scheme's National Site Awards earlier in the year, and it is great to hear that the 100,000th site has registered," he said.

"It reflects well on the efforts that have been made by the industry. We are seeing much cleaner and tidier sites, efforts being made to minimise noise and having safety systems in place. This has had a positive effect on the environment and surrounding communities, and

also on working conditions. We are seeing constructors providing a more supportive and caring environment for their workforce.

"This is great progress and I hope it will continue and help attract more people into the industry at a time when we are seeing much change and challenge around how the industry operates."

Since registering its first site in 1997, the scheme has become highly regarded throughout the UK construction industry as the 'go to' organisation to support sites, companies, suppliers and

DEMOLITION BITS

■ Demolition and debris removal from the Al-Musawwara district of Eastern Province municipality has been completed ahead of redevelopment (*Saudi Gazette*)

■ A condemned building in Mumbai described as overdue for demolition collapsed killing 21 people (*Asian Review*)

■ Seven buildings in Charlottetown, Canada, have been demolished to make room for a new student residence (*CBC News*)

clients. It has also registered numerous demolition sites during the past 20 years. ■



Celebrations as the scheme's membership hits six figures

Steinexpo numbers on an upward curve

Visitors to the recent Steinexpo exhibition in Germany topped 50,000 for the four days – a 12% increase on three years ago.

The final total was 53,890, while the total exhibitors and the number of companies from outside Germany were also both up on 2014.

"It was the most strenuous Steinexpo that we have ever organised," said the show's managing director Friedhelm Rese.

"But, at the same time, it was also our most successful fair. I would like to thank all of the exhibitors, for their abiding trust in our exhibition concept.

"And I would like to thank the visitors for their interest in and attention to our offer, which is unique on the European continent."

Visitor numbers included 400 schoolchildren aged between 12 and 16 who were invited by German construction equipment

trade association the VDMA as part of the Think Big initiative to attract more young people to the industry.

"The effort that goes into the competition for newcomers is immense, especially among technical disciplines," said VDMA managing director Joachim Schmid.

"The VDMA and member companies must invest a great deal, so that the industry represented at Steinexpo is perceived as an interesting employer by young people."

The association also used the event to report a 20% growth in the turnover of construction equipment manufacturers worldwide during the first six months of 2017.

The show returns to the MHI Quarry at Nieder Ofleiden in August 2020. ■



DIARY DATES

2017

**ConExpo Latin America
Technology Pavilion (within
Edifica Expo)**

October 4 – 7
Santiago, Chile
www.conexpolatinamerica.com

World Demolition Summit

November 2
London, United Kingdom
www.demolitionsummit.com

**World Crane and Transport
Summit**

November 7 – 8
Amsterdam, Netherlands
www.khl-wcts.com

Excon 2017

December 12 – 16
Bengaluru, Karnataka, India
www.excon.in

2018

Demolition 2018

February 22 – 24
Austin, Texas, USA
www.demolitionassociation.com

Bauma ConExpo Africa

March 13 – 16
Johannesburg, South Africa
www.bcafrica.com

Intermat 2018

April 23 – 28
paris.intermatconstruction.com

Hillhead 2018

June 26 – 28
Buxton, United Kingdom
www.hillhead.com

Bauma China

November 27 – 30
Shanghai, China
www.bauma-china.com



McGee and Brett have formed a strong working relationship over several years

McGee and Brett join forces in London

Specialist contractor McGee and building materials group Brett have announced a partnership to provide a state-of-the-art demolition recycling centre in London, United Kingdom, to meet increasing demand for waste management.

The companies are pooling resources for the centre, which is located in Hithermoor to the west of the city.

Described as a significant

investment, the centre will feature specialist recycling plant and machinery that can segregate, treat and recycle demolition arisings. All waste brought to the facility is recycled.

The two companies have a formed very strong relationship over several years, working on a number of prestigious contracts in London including the All England Tennis Club (Wimbledon), Heathrow Airport and most

recently Battersea Power Station.

McGee director John McGee said: "It is important to us to minimise the amount of material sent to landfill.

"Close collaboration with Brett allows us to maximise the amount of material that can be recycled and back-load trucks to construction sites which delivers transport efficiencies, saving costs and helping to reduce environmental impact."

A new record for Wacker

German compact equipment supplier Wacker Neuson has reported record revenues for the second quarter of 2017.

As a result the company said it has raised its revenue forecast for the current fiscal year to between €1.45 and €1.5 billion (\$1.73 and \$1.78 billion). The previous figure was between €1.4 and €1.45 billion (\$1.67 and \$1.73 billion).

It reported turnover of €425 million (US\$505 million) for the second quarter – an increase of 11% over the same period last year. Earnings before interest and tax (EBIT) were €46.7 million (\$55.6 million), a rise of 41%.

Revenue for the first half of the year climbed 9% to €764 million (\$909 million) – it was €698 million (\$830 million) for the first half on 2016. EBIT increased by 20% to €61 million (\$72.6 million)

In its largest market, Europe, which Wacker said currently accounted for around 73% of revenue, it reported a 6% rise in revenue compared to the previous year.

Revenue gains were higher in the Americas.

Cem Peksaglam, commenting on his last results before leaving, said: "We reported a 32% rise in revenue in North and South America for the second quarter

and an increase of 23% for the first six months of the year.

"We are particularly pleased to see strong growth in compact equipment, especially with

our skid steer loaders, wheeled loaders and telescopic handlers.

We have also made further progress on expanding our dealer network."

Striker appoints Australian distributor

Australian mobile crusher and screen manufacturer Striker – whose products are used in applications from traditional recycling to more specialised operations – has chosen Onetrak as its distributor in its home country.

The move comes as Striker is focusing increasingly on manufacturing and product development and the company said Onetrak's expertise in sales and service made it the perfect fit.

Onetrak was founded in Tasmania and celebrated its 10th anniversary last year. Today it has branches spreading across six Australian states. It also handles the Australian distribution of other products such as wheeled loaders, dozers and excavators for other companies.

"Our focus is providing global leading brands to the Australian market while providing a very high level of customer service," said Onetrak managing director David Hazell.


"When we began looking for a crushing a screening supplier it became obvious that Striker indeed manufactured high quality and productive machinery, but more importantly for us, they understood the market and shared a very similar culture."



Striker's Michael Colvin and Onetrak's David Hazell welcome the new arrangement



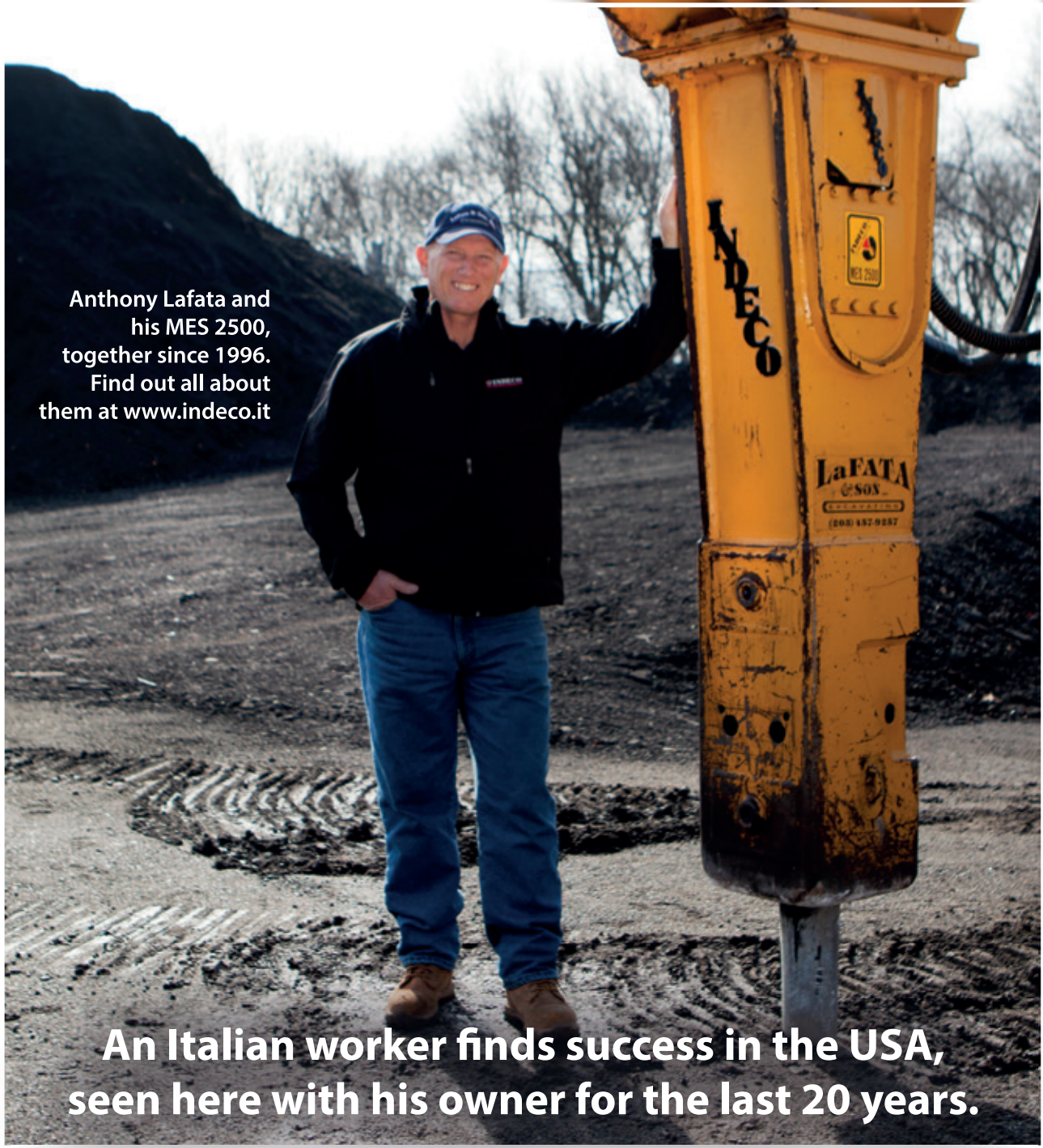
Wacker Neuson revised its forecast for 2017 after the second quarter results



**LEARN HOW TO NOT
DO THE JOB YOURSELF
AT DXRUSERGUIDE.COM**

When it comes to fast, precise and safe demolition, it's hard to beat a Husqvarna DXR remote demolition robot. These powerful utility machines are so compact, agile and lightweight that they can climb stairs, crawl through narrow gaps and even be lowered down in shafts to do heavy, hazardous jobs, while you're operating the wireless remote control at convenient distance. They're accompanied by a wide range of heavy-duty tools and accessories for breaking, crushing, cutting, soft demolition and excavating.

See them in action and learn how to master them at dxruserguide.com



Anthony Lafata and his MES 2500, together since 1996. Find out all about them at www.indeco.it

An Italian worker finds success in the USA, seen here with his owner for the last 20 years.

In this neck of the woods, success is not a matter of coincidence. You have to know how to work hard and reinvest the fruits of your toil. That was Indeco's winning strategy, too – setting our sights on product quality and basing our success on Indeco North America's outstanding organizational efficiency, needed to cover this huge market, all the way from Merida, in southern Mexico to Yellowknife in the far north of Canada. Consultancy and continuous after-sales service, as well as rapid availability of spare parts, mean that every single Indeco product can be kept highly productive and reliable over the years, writing a new chapter every day in a true story of success.



INDECO
YOUR PARTNERS IN DEMOLITION

Fighting fit at 50



David Darsey: 'I'm very proud of the business'

The year 1967 is fondly remembered by millions of people for a range of reasons – the release of *Sergeant Pepper*, the summer of love, and the launch of a dedicated pop music radio station by the BBC to name but a few. Demolition industry milestones of that era are less easily brought to mind, but in one part of south east England September 2017 marks an anniversary for one company that has a significance all of its own. The Erith group has been in business for 50 years.

Hanover Square: 'A lot of work in London is about façade retention'



The Erith Haulage company, the forerunner of Erith Contractors, was formed half a century ago this month. Managing director **David Darsey** tells *D&Ri* where the company is today and talks about his first year as president of the UK's Institute of Demolition Engineers.

Erith Contractors managing director David Darsey – himself with a career at Erith spanning 30 years – takes up the story of how the company was formed.

"It started out primarily as a haulage business, with one lorry. My father, Thomas Darsey, was a lighterman on the river [Thames] until he was made redundant. My mum was on the phone taking orders for the business while making alterations to curtains.

"September 1967 was when it became a limited company – my father had started out as a sole trader. Since then we've gone from being a supplier to creating our own work, and the contractors business is the biggest part of the group. In fact we've evolved to being

one of the biggest demolition contractors in the world."

Fast forwarding half a century reveals a company that has indeed grown, and continues to do so. It's turnover in 2016 was more than £150 million (US\$200 million), and the pre-tax profit that generated, of £10 million (\$13.4 million) was a record for the business.

It's still a family firm as well, David's

A residential project on London's Aylesbury Estate



brothers Steve as chairman and Tony running the asbestos and nuclear side of things.

“We have 700 direct employees now,” said David.

“With sub-contractors, that’s around 1000 people. The market is still buoyant and we are still busy. The turnover and the margins will be smaller this year, but we are aiming to maintain where we are.”

HIGH PROFILE CONTRACTS

Where Erith is, in fact, is in a top-three position in the most recent D&Ri100 table of global demolition contractors, ahead of all except one of its countrymen, and about to contest five categories at the forthcoming World Demolition Awards. It also has several high profile contracts under its belt.

Perhaps inevitably, given its geographical location, London has been the site of a number of these projects.

But David is keen to point out that the company works in other places too.

“We do a lot in central London, for blue chip developers, and also inside the M25 and in the home counties.

“We also work in the US, Sweden, France, Russia, Germany and Cyprus, as well as other parts of the UK. We will go where we are expected to go for existing clients.

“The projects we tend to go for are the more technically challenging, complex engineering ones. With the services we have we can offer value engineering, we can come up with solutions for a client’s budgeted programme, but we are geared up for big jobs.

“London is often about retaining facades, it’s good that London’s heritage is kept, you can put a Grade A office behind a 100-year-old frontage. As for international demolition jobs, the more complex they are the more I feel we have a good understanding of the structure. Every one you do is different.”



Ireland is one of several countries Erith has worked in outside its native UK

PRESIDENT OF THE INSTITUTE

A year ago, David became president of the Institute of Demolition Engineers (IDE). As he is also an honorary life vice president of the National Federation of Demolition Contractors (NFDC), he is aware of what trade associations can bring to the wider industry.

“One thing I am championing is that when the client is choosing a contractor at the PQQ (pre-qualifying questionnaire) stage, it should be a front end question whether the contractor is a member of the NFDC.

“Contractors should have at least two full IDE members that will be involved in the planning and execution of the contract. That way, the client gets better than best practice. You wouldn’t get a boiler or an electrical system without a registered contractor, so why should it be any different with demolition?”

Another important role for the IDE during David’s presidency has been the development of future generations of demolition industry employees.

One example is the creation of the UK’s first degree qualification in demolition, where the institute worked closely with Wolverhampton University and senior industry figures Terry

Quarmby, Mick Ulyatt and John Woodward to make the course a reality. David was involved in writing the guidance notes and having seen the academic side of demolition industry at first hand he is convinced the degree qualification is filling a much needed gap.

“Membership of the institute is growing,” he said.

“We have signed up about 25 new members this year, with the same number going from enrolled member to full member. We have 30 set to take the exam in November.

“I’m impressed by the standard. I’m one of the markers of the exams and the calibre of papers we are getting now is a lot more technical and detailed than when I started marking them six years ago.”

PEOPLE AND PLANT

Back at Erith, David also stresses the importance of its people, whether in terms of the tools they are given for the job – none of its items of plant and equipment are more than three years old and those that become so are replaced on a rolling investment programme – or their welfare as individuals.

“We have exemplary health and safety, we opened our own training centre and put 1,100 men through Fit for Work. It was me who brought in the site audit scheme. I wanted to bring in occupational health. At the time it was deemed a step too far but now it is part of it.

“There are a lot of hardened men in demolition – they don’t like to be seen visiting the doctor with a runny nose. To see a nurse on site takes a huge pressure off them. It means we can find things like high blood pressure, diabetes and hearing problems, things that need long-term treatment, and give people a longer working life. I go round the sites once a month. I call it a health and safety tour.”

How to sum up the first 50 years?

“I’m very proud of the business. The employees are proud of it. Staff retention is very important to us and a large proportion of them a long serving – we have some people who have been here for 40 years and certainly a lot of people between 20 and 30 years. I tell my staff that my door is always open, whether it’s personal or business. It’s a cliché but we are a family business – and everyone is part of an extended family.”

A famous backdrop to the Shard Place residential development





GENERAC | TOWER LIGHT

Generac | Tower Light is the global market leader of mobile lighting towers since 1997.

Discover our product lines: lighting towers, generators, dust control units and pumps.

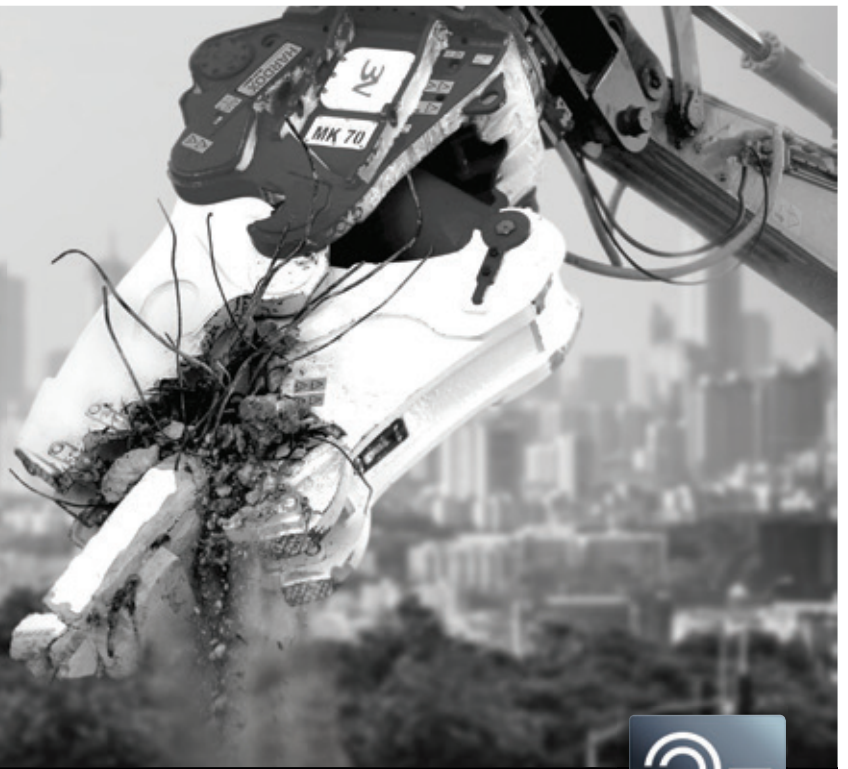
Innovation with you, for you

www.towerlight.com



sales@towerlight.com

I DO NOT FEAR CHALLENGES. I DO WHAT I WANT.



MK Series

All shades of power, one invincible *support*.



www.trevibenne.it

CELEBRATE WITH US
25 YEARS
OF LEGENDARY SERVICE



What a difference

The role of recycling in industrial demolition projects has changed significantly in the past 10 years. With health and safety improvements, the need for costs savings and energy efficiency, as well as environmental regulations driving change, **Stephen Morris*** looks at how recycling contractors have adapted to meet the demands of demolition.

In the United Kingdom, the construction and demolition sector is the largest single contributor of waste materials annually, responsible for generating an estimated 120 million t of waste every year¹. This equates to approximately one third of the country's the total waste.

According to figures from the Construction Resources & Waste Platform (CRWP) programme, the demolition industry processed 32.7 million t of arisings in 2007², with approximately 88% of inert material being either recycled and used on site or sent for off site sale.

The 2008 Strategy for Sustainable Construction estimated that over 25 million t of construction, demolition and excavation waste ended up in landfill each year. However, since then things have significantly improved with demolition and recycling contractors now working together to improve recycling efforts to achieve closer to 100%.

As a major generator, consumer and producer of waste, the construction and demolition industry is increasingly targeted to find ways of incorporating waste management into demolition processes to meet environmental targets and contribute to the sustainability agenda.

There are regulatory and technological drivers affecting construction and demolition globally. These aim to keep employees safe through health and safety regulation and

improve sustainable waste management practices through environmental legislation, to ensure the recovery and reuse of materials.

The UK Health and Safety Executive³ has a number of legal requirements that cover the planning and implementation of demolition projects, as well as managing and handling hazardous waste and electrical equipment. Construction and demolition has also been identified as a priority target by the European Union for its Waste Directive⁴ and the need to address the disparity in recycling levels between member states.

REGULATORY CHANGES

The way my company, Ward Recycling, has approached demolition recycling projects has inevitably changed over the last decade. This is due in part to regulatory changes which have shaped client requirements, but also by a desire to constantly innovate when developing recycling and waste management strategies.

It was often the case that demolition projects would appoint separate contractors to manage metals and various construction wastes individually. However, demolition companies are seeing significant benefits in all site arisings being removed and recycled by the contractor in house for the best value for money and greatest environmental return. The model we used to see a lot of was the external subcontractor approach. Ten years ago, many demolition companies would appoint us based

Ward Recycling has partnered with demolition contractor the Squibb Group on some projects



Scrap metal no longer needs more than one contractor

on our knowledge and expertise in recycling, supplier network, and health and safety credentials, but primarily the fact that we could take the waste off their hands so they wouldn't have to worry about it.

We would put containers on site, the demolition contractor would fill them up and then we would take the unsorted waste away to recycle at our processing plants and charge a single price for the waste. There was limited or no waste segregation on site.

Now, we adopt an advisory role and a partnership approach.

We work with project teams right from tendering stage, to understand recycling targets and build a sustainable site waste management plan (SWMP) that helps achieve the project goals and minimises disruption to the local area. That's how we started working with a number of large demolition contractors in recent years.

MULTI MILLION PROJECT

At the British Celanese Factory, Derby, United Kingdom, which was local to Ward, we provided in depth quotations to a number of contractors pitching for this project. On contract award, following a competitive tender in 2014, we partnered with Squibb to manage all the site services on the complex, multi-million pound demolition project at the 120+ hectare factory site.

Because of its history as chemical plant, there was a variety of demolition waste arisings with ferrous and non-ferrous scrap metal including iron, steel, copper, stainless steel, aluminium, as well as construction and demolition waste, hazardous waste including asbestos and oils from the chemical manufacturing process.

Our partnership with Squibb enabled us to offer a complete recycling solution to demolition arisings from the site.

We advised the client on what waste to separate out and facilitated a site waste

a decade makes



management plan which included putting more than 20, 40 yard roll on roll off containers on site to collect specific waste streams. This enabled segregation into different waste types such as plasterboard, wood, plastic, glass, metal, electrical items and soils.

The dedicated containers were left on site and our vehicle fleet would remove the waste daily.

As well as being more sustainable, segregating materials on site offers significant cost benefits. It makes financial sense to separate waste out into specific classifications prior to recycling. For example the difference in cost could be around £50/t (US\$67.5/t) cheaper for wood than for general mixed waste and some plastics have creditable values of over £100/t (\$135/t).

Thanks to the successful partnership established with a number of contractors, we have developed another robust solution to support large scale steel demolition projects, by processing all materials on-site.

MATERIAL SALES PROCESS

At the former Dow Plant in Redcar, UK, during 2015, KDC and Ward partnered on the first on site processing contract entered into by either of the two companies. The project was successfully completed following close interaction between the two project teams managing the processing and flow of material, but also the material sales process, to ensure the benefit of timely sales was shared between the two parties. A 1,000 t Lefort shear, large crane and container loader was installed on site to process the scrap metal in situ.

In August 2016, Squibb Group won the contract to demolish parts of the former Anglesey Aluminium plant to make way for a £1 billion (\$1.35 billion) biomass park. We developed a solution for processing metals on-site using all the equipment used previously in Redcar, meaning that the recycled steel is containerised to be shipped overseas.



Recycling construction and demolition waste has evolved in the past decade, says Ward

SUSTAINABLE PLAN

This is the first time we've worked with Squibb in this way and it has been a success story delivering great efficiency on the processing of the scrap metal.

Historically demolition contractors needed to have metal scrap and waste removal and recycling done by separate contractors.

However, the infrastructure is now in place to support a sustainable waste management plan with environmental, financial and operational benefits, and we see contractors get involved in projects much earlier. ■

- 1 <http://www.ukgbc.org/resources/key-topics/circular-economy/waste>
- 2 <http://www.wrap.org.uk/sites/files/wrap/CRWP-Demolition-Report-2009.pdf>
- 3 <http://www.hse.gov.uk/construction/safetytopics/demolition.htm>
- 4 http://ec.europa.eu/environment/waste/construction_demolition.htm

THE AUTHOR

*Stephen Morris is special projects commercial manager at Ward Recycling

An American view



Brian Baumann of US contractor B&B Wrecking describes his company's approach to industrial demolition

About 70% of our business is industrial, mostly in steel mills or coal burning power plants. We would like to do more chemical plants but there are not so many of them in Ohio where we are based.

We also tore down a nuclear power plant a few years back.

The main challenge there was the size of the building – it was around 10,000 t of steel. Luckily it was built after 1979 so there was no asbestos involved. That's normally a huge part of buildings built before then.

Typically an owner will call. They will bring in a few contractors that are qualified. There is a lot of paperwork – insurance, past experience, are you union or not?

The will probably be more than one site visit, and you will spend two or three days with the company. Each person will focus on a different aspect of it. A lot of time if you are honest with an owner they appreciate it. For most of the jobs I do, I own enough equipment and don't have to go out and purchase or rent. I have 30 hydraulic excavators and every machine can take different attachments. It's the Swiss army knife approach. That's what makes difference between someone who does demolition and a demolition contractor.

Usually all the contractors competing for the job will have been vetted. You are not going in against someone who doesn't know what they're doing.

I want a demolition job as much as anybody, and I'm going to be aggressive in my approach to things. It's a matter of who has best way to do the job. Safety is a big factor. You have to make sure you don't damage people, equipment or neighbouring communities. With your peers, you can be sure they have right equipment for job.

Usually the jobs I shy away from are very few, such as if I see a situation where I don't like how an owner has put together a package. We had a situation with a multi storey building in Ohio where we couldn't close neighbouring buildings or nearby streets. I walked away, but that was rare. Usually you can convince an owner or municipality what the risks are.

One of the biggest things I have already seen is the safety component. Background checks are very serious. It's not just past performance but your safety policy – your OSHA (Occupational Health and Safety Administration) background, training, chemical awareness training. That's before they even let you do the work, and it will only become more prevalent.



Performance in every detail



Mobile crushing & screening
24/7 Remote monitoring
Fuel efficient & hybrid systems
Minimum cost of ownership

Follow us on **ROCK ON with Keestrack** www.keestrack.com



Goldhofer
Made for a mission.

REFERENCE #32:

MOVING A DEMOLITION EXCAVATOR TO A DOWNTOWN LOCATION. 58 TONS, 3.6 METERS WIDE.

Maneuverable and robust. 285 mm tires for extra mileage.
Proven pendular axle technology. For grueling continuous working and challenging operations on difficult terrain: the STZ-VP semi lowloader.
Manufactured by Goldhofer. Made for a mission. Your mission?



STZ-VP (285)

WWW.GOLDHOFER.DE

The advantages of thinking big

Cranes and trailers are playing an increasing role in demolition and recycling

Two Grove all-terrain cranes played a pivotal role in demolishing an abandoned building at a General Motors facility in Michigan, USA. Detroit-based JJ Curran Crane used a GMK6300L and a GMK6400 to assist with one of the demolition's most difficult tasks: the removal of a 67.5 t steel walkway.

JJ Curran said the cranes were chosen for their job site manoeuvrability, along with their high lifting capacities from compact footprints. Contractors positioned the 350 t GMK6300L on one side of the walkway, with the 450 t GMK6400 stationed at the opposite side. After rigging segments of the walkway to each crane, a demolition crew severed the walkway's connections to the building's walls and foundation.

The free-hanging structure was then lowered to the ground, where the crew cut it roughly in half, resulting in two pieces that weighed approximately 35 t each.

The walkway removal took only 15 hours to complete.

AGGRESSIVE SCHEDULE

Bigge Crane and Rigging was selected to supply the equipment to remove the largest span of the Kosciuszko Bridge, which is actually two bridges that span Newtown Creek between the New York City boroughs of Brooklyn and Queens. The span is 12.5 m (42 ft) high and 91.5 m (300 ft long).

To safely meet the aggressive demolition schedule, a joint venture of Kiewit/Skanska used Enerpac Heavy Strand Lift (HSL) 50006 strand jacks to lower the span.

Enerpac HSL 50006 strand jacks have 500 t capacity, and operate in sets of four. To ensure the demolition schedule is met, a set of eight strand jacks was employed.

Enerpac delivered the strand jacks in March and provided training and support for two operators, as well as on site support.

Mammoet successfully lifted and removed the historical 12th Street bridge from its foundation in Calgary, Canada. The bridge, built in 1908, spanned the Bow River and was removed due to its age and deteriorated condition. Weather delayed the original lift schedule, but when all cleared, the bridge was removed in approximately 45 minutes and set safely down in an adjacent area to be readied for demolition. Adjacent to the old bridge, a new 12th Street bridge is under construction to

Two Grove all-terrain cranes played a vital role in a demolition project at a former General Motors plant in the USA



maintain this important traffic and pedestrian link. Scheduled opening is before the end of the year.

TRIDEM TRACTOR UNIT

In vehicles, United Kingdom-based remediation and recycling specialist KKB Group in the has taken delivery of a new Volvo FH16-750 tridem 8 x 4 tractor unit.

M C Truck and Bus of Aylesford supplied the truck for Kent-based KKB to haul its growing plant fleet between job sites around the country.

Australian company Tutt Bryant Heavy Lift and Shift recently managed the transport of a reclaiming type RC-2 weighing of 1,250 t on 54 Cometto axle lines.

This impressive combination was moved at the Port Kembla Coal Terminal (PKCT) on Australia's east coast, around 70 km south of Sydney. The scope includes the removal of this huge piece of steel from the stock yard over a bridge and transport to a designated offloading area for demolition and disposal.

The weight of the reclaiming included a transport frame weighing around 40t. Liberty Industrial was hired for the demolition and it sub-contracted the challenging transportation task to Tutt Bryant.

Faymonville of Luxembourg has introduced a huge excavator trough in its range of vehicles with low pendle-axles (PA-X). It is 4,240 mm (13 ft 10 in) long and 440 mm (1 ft 6 in) wide. The company describes it as ideal for transporting all kinds of excavators and a large articulated boom fits easily in the trough, a significant height advantage under low bridges.

British contractor AR Demolition has put another Volvo Tridem rigid into service. This latest arrival is an FH-540 8x4 tag axle chassis fitted with a cabin specification platform body and a Fassi 545 truck-mounted crane with five extending boom sections. The 5.2 m (17 ft) wheelbase FH also hauls a two axle Chieftain drawbar trailer.

German construction material recycling specialist, Friedrich Stingel, has purchased a second XLE low loader from oversized cargo haulage vehicle manufacturer Goldhofer.

The company purchased the low loader in exactly the same configuration as a previous model XLE it bought back in 2011.

Stingel's new XLE 8, which is extendible by 3 m (10 ft), has a three-axle platform bogie at the front and a five-axle bogie at the back with a maximum axle load of 12 t each (technically permissible axle load: 14 t), paired with a four-axle Volvo FH 16 750 engine.

It will be used to transport mobile crushers for Stingel. ■



Australian contractor Liberty Industrial subcontracted the moving of an RC-2 reclaiming

P&V
Padley & Venables

**QUALITY TOOLS
MADE IN BRITAIN
PROVEN WORLDWIDE**



EXCELLENCE SINCE 1911



ROCK DRILLING

DEMOLITION

CONTRACTORS'

WWW.PADLEY-VENABLES.COM



SALES@PADLEY-VENABLES.COM TEL: +44 (0) 1246 299 100



Jewell provides custom machines for the world's harshest environments including the forestry, demolition, scrap recycling, material handling and construction industries.

Drawing on years of accumulated experience and technical know how, Jewell converts standard excavators into tough, robust machines capable of conquering diverse jobsite challenges.



YOU HAVE TOUGH JOBS... WE BUILD TOUGH MACHINES

WWW.JEWELLATTACHMENTS.COM

18135 S.W. BOONES FERRY ROAD, PORTLAND OR 97224

PH: 1-877-237-3392 US AND CANADA

OR 503-352-8238

Division of
IES INTERNATIONAL
EQUIPMENT

Powering ahead

DSRi looks at recent developments in the manufacture and application of breakers, starting with powerful and heavy-duty breakers tackling reinforced concrete at a steelworks.

Three heavy-duty HB series Atlas Copco breakers, supplied by United Kingdom-based Sandhurst to National Federation of Demolition Contractors member company DDS Demolition, have been put to work destroying reinforced concrete structures during a rebar mill clear up at Sheerness Steel works on the Isle of Sheppey in Kent in the south of England.

Atlas Copco breakers supplied by Sandhurst were HB2200, HB3600 and HB4200 units. These immensely powerful breakers weighing 2, 3 and 4t respectively were purchased to suit the Komatsu PC290, PC350, PC360, PC450 and a PC490 machines working on the site.

DDS, also based in Kent, is a leading demolition, reclamation and site clearing specialist and was preferred for the Peel Port Wellmarsh tear-down and site clear up contract, estimated to be worth up to £3 million (US\$4.1 million), over a 52-week project term.

Steel was first produced at the Sheerness site in 2003, but production furnaces and a large rolling mill on the 21.4 hectare (53 acre) site had been left untouched since the specialist rebar steelworks was closed in 2012. A decision was finally made to develop parts of the site and demolition work commenced in 2016.

DDS Demolition predominantly used hydraulic shears and grabs to remove much of the steel building fabrication and steel making infrastructure, during phases one and two, each lasting 18 weeks.

Phase three included the serious challenge of breaking and removing thousands of tonnes of heavily reinforced concrete machine plinths, push walls and reinforced foundations. DDS decided some additional high productivity hydraulic breakers were needed to help deliver the project on time.

Although Sandhurst operates Europe's largest Atlas Copco Breaker rental fleet and could have supplied rental breakers, on this occasion DDS thought buying was the right solution.

Group buyer, Lee Pooley, said: "We faced

some very heavy breaking on this job and wanted proven breakers with the capability of efficiently punching into heavily reinforced structures.

"We've hired Atlas Copco breakers and attachments for years from Sandhurst and know we can rely on Sandhurst as an attachment supplier as much as we can for the efficiency and performance of their Atlas Copco breakers.

"We felt buying was the right decision for us this time if we could get the right offer, so we >18

The Rammer 9033 replaces the 7013 model and is described as benefitting from a number of improvements



DDS Demolition is using Atlas Copco breakers supplied by Sandhurst to destroy reinforced concrete structures in a rebar clean up at a former steelworks

called Peter Dean of Sandhurst who matched Atlas Copco breakers to three of our Komatsu machines and we shook hands on a deal we were really happy with.”

US-based supplier Chicago Penumatic’s hydraulic breakers have been specified by Rock Fall Contracting WLL (RFC), a major civil engineering and earthmoving specialist contractor based in Doha, Qatar.

The company has augmented its fleet of rig-mounted hydraulic breakers with the addition of new RX8 and RX54 units.

The breakers are destined for use in demanding applications within the programme of infrastructure projects culminating in Qatar’s hosting of the IAAF World Athletics Championship in 2019 and football’s World Cup three years later.

Hosting of these prestigious sporting competitions has spurred Qatar to undertake a total upgrade of its infrastructure. This includes major construction ventures such as an integrated road and rail network, as well as new drainage systems.

These initiatives, plus the new Hamad Port and the expansion of Hamad International Airport, are all part of scheduled upgrades to accommodate the anticipated vast increase in tourists and passengers in and around Doha.

RX breakers have already proven essential in excavation operations along a 47 km stretch of Qatar’s GTC 600 project that is connecting four mega reservoirs with the aim of irrigating the northern half of the country.

LAUNCH PAD

Hammer and attachment specialist Rammer used the recent Steinexpo exhibition as the international launch pad for the latest incarnation of its largest breaker.

Visitors to the show in Germany were able to see the latest version of the company’s largest hydraulic hammer on the stand of German dealer Ramb.

Called the Rammer 9033, the new model replaces the Rammer 7013 and benefits from a number of key changes and improvements, many of which have been proven in smaller Rammer hammers.

These include 20% wider carrier weight range and 22% higher input power, which significantly increases impact rate and productivity compared to its predecessor.

“Our engineers have applied lessons learned on other hammer models to place this Rammer hammer at the very top of its class,” said general manager Rafa López.

“The Rammer 9033 completes the successful large hammers family by replacing the aged 7013 with a modern design that extends some of the specifications.”

Weighing 7,000 kg (15,432 lb) the new product is suitable for carriers in the 60 to 120 t operating weight range.

Impact rate on the long stroke setting rises from a maximum of 450 blows per minute to 520, while maximum oil flow is now 460 l/min against 400 l/min) on the 7013.

Dehaco’s Ibox hydraulic breakers comprise 18 models across two series of products

Netherlands-based Dehaco offers two types of hydraulic breakers, namely the IBEX GS-series and the IBEX HS-series.

The GS-series breakers are gas silenced and comprised of 14 models, all equipped with a nitrogen accumulator and suitable for carriers from 0.8 to 55 t.

The larger models in the GS-series feature an accumulator to generate more additional impact energy.

This accumulator also reduces peak pressures from the hydraulic circuit, reducing recoil to the carrier and protecting the breaker.

When desired, these breakers are available with an open housing.

CONTINUOUS OIL FLOW

The HS-series breakers are hydraulic silenced and the series comprises four models. These breakers are completely hydraulic featuring the PAA system (Power Absorbing Accumulator) and the OTC-system (Oil Traffic Control).

Dehaco believes these specially designed technologies ensure a continuous and stable oil flow and operating pressure, where an optimal impact energy will be produced.

Both systems act as a hydraulic shock absorber, where the constant impact energy further reduces any recoil to the carrier.

All HS models feature as standard ABF-

technology. This is an automatic control system which comes into effect when blank strokes are detected during operation.

Elsewhere, Bobcat says its hydraulic breaker delivers maximum efficiency by matching hydraulic capacity of the carrier to the breaker, allowing consistent machine to breaker performance. It provides a quieter and smoother operation while still maintaining blows per minute.

The breaker has been designed for jobs including precise demolition as well as interior and flatwork demolition.

Features include auto power, which automatically regulates pressure, ensuring hydraulic breaker operation regardless of changes in outdoor temperature and delivering maximum performance across a large range of carriers. In addition it limits excessive pressure at the time of start-up, preventing possible downtime.

As part of the design for minimum downtime, the internal power cell has fewer moving parts and the attachment design includes only 12 main service parts, reducing time spent on maintenance and improving overall lifetime of the attachment.

The breaker cradle is a cylindrical design, which Bobcat says improves access to jobs in confined areas, providing accurate attachment operation in more operating environments. ■



POWER

OKADA AIYON CORPORATION
supplies a variety of attachments mounted on excavators and has
been an innovator in the field for many years all over the world.

JAPAN



www.okada-aiyon.com | sales@aiyon.co.jp
4-1-18, Kaigan-dori, Minato-ku, Osaka 552-0022, Japan
Tel 81 6 6516 1268 | Fax 81 6 6576 1516




POWERFULLY SIMPLE,
SIMPLY POWERFUL

A COMPLETE RANGE OF
TIE-RODLESS HAMMERS

SUIT EXCAVATORS
FROM 0.7 TO 30 TONNES

Made in England

 @ArrowheadRockdrillUK

www.arrowheadrockdrill.co.uk

A large-scale industrial facility for C&D waste recycling. The scene shows several large concrete bins filled with processed aggregate materials like gravel and sand. In the background, there are blue conveyor belts and processing machinery. A few workers in safety gear are visible near the bins. The sky is overcast.

CDE

C&D Waste Recycling

CDE C&D Waste Recycling systems transform 11 million tonnes of C&D waste into high-value products every year.

cdeglobal.com

A collage of three images showing the waste-to-product process. On the left, there are large, irregular chunks of broken concrete and rubble. In the center, there is a close-up of dark blue, angular recycled aggregate particles. On the right, there is a large pile of light-colored, rounded gravel or aggregate.

From waste to high-value products

- C&D mixed fines
- Excavation & earth waste
- Crushed concrete
- C&D landfill mining

WORLD DEMOLITION AWARDS 2017

LONDON, UK

THURSDAY 2 NOVEMBER

Guide to shortlisted entries

Endorsed by:



In cooperation
with:



Created and
organised by:



Headline sponsor

Silver sponsors



Bronze sponsors



Hospitality
sponsor



Industry's best go head to head

This year's World Demolition Awards take place in London, United Kingdom, on Thursday November 2. **D&Ri** takes you through the 32 shortlisted companies battling to be recognised for best practice and their 43 entries in 11 categories.

Civils Demolition Award

COLEMAN & COMPANY

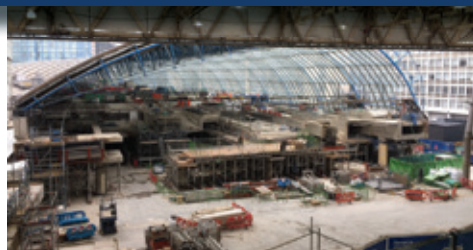
Country United Kingdom
Project Waterloo International Terminal
Client Network Rail Wessex Capacity Alliance (Skanska, Colas, Mott MacDonald, AECOM)

Coleman & Company was appointed the demolition contractor of choice for Network Rail's flagship, £600 million (US\$776 million) development of Waterloo International Terminal in London, United Kingdom.

The live station provides transport and connections throughout London, the UK and Europe, with a footfall of 200,000 passengers each day.

Returning the disused Eurostar terminal to full operation, the complex works included strip out and structural alterations to make way for a new station capable of serving 20 new commuter trains, with a large retail area underneath the live platforms.

Working directly above the London Underground and adjacent to one of the busiest Network Rail infrastructures in London, Coleman & Company combined the latest in precision demolition technology,



with its innovative temporary works design capabilities to execute the works within the 15-month timeframe.

There were several key challenges throughout this project, the most notable being the temporary roof tension solution designed by Coleman Engineering Services to hold the roof of Waterloo International Terminal in place while structural concrete was replaced.

The client has praised Coleman & Company for its skill, passion and workforce management throughout the works, adopting the company's own mobile-based hazard spotting and reporting system across the site.

The demolition phase of the Waterloo International Terminal redevelopment is testament to Coleman & Company's expert capabilities, knowledge and experience in the field of civils demolition. ■

PRIESTLY DEMOLITION

Country Canada
Project Port Severn Bridge Demolition **Client** Looby Construction

Priestly Demolition was contracted by Looby Construction to demolish two Highway 400 bridge structures over the Trent Severn



waterway. The bridge construction consisted of one 88 m (290 ft) by two-lane bridge with concrete encased steel truss arches with a concrete deck. The second bridge was a 30 m (100 ft) long two-lane wide poured in place concrete bridge. Each bridge was demolished using two 50 t excavators with hammers and barges in the river. The bridges were demolished one after the other. The existing surrounding was restored to a naturally sloped river bank. Priestly delivered and executed another safe, successful bridge demolition on time. ■

DELSAN-AIM

Country Canada
Project CN Tunnel Dismantlement
Client KPH Turcot

Dismantlement occurred within the right-of-way of an important CN transportation corridor with four railway tracks remaining in use during the project. The work was performed in accordance with detailed engineering procedures, closely coordinated with CN operations in order to protect existing infrastructures, while maintaining train traffic and ensuring the safety of all personnel. Another important facet of the project required the abatement of asbestos containing materials.

The original structure consisted of a 9 m (30 ft) high by 22 m (74 ft wide), three-sided reinforced concrete box culvert supported on concrete footings with an overall length of 101 m (333 ft). The entrances were constructed of concrete retaining walls.

A 16 m (54 ft) extension to the original construction on the east side had a different structure with a roof that consisted of a series of reinforced concrete box girders spanning the tracks. The extension was dismantled in sections by saw-cutting and removing the box girders along with the associated slab, weighing 38,555 kg (85,000 lb) each, sections of the retaining walls using a 500 t mobile crane, with the heaviest lift being 51,709 kg (114,000 lb).

Where there was sufficient clearance from adjacent railway tracks, Delsan-AIM used excavators with hydraulic hammers to demolish the remaining retaining walls. The original structure was dismantled in nine sections, each weighing 1,100 t, using a gantry crane positioned over the tunnel using self propelled modular transporter. A temporary level crossing was built so the gantry crane could be positioned to straddle the structure and transport the sections to a laydown area for further processing. ■



Enabling the Construction Industry for 50 years

The Erith Group celebrate its 50th year in 2017 as an enabling works specialist occupying a position of great strength, as the world's 3rd largest demolition contractor.

Erith provides a complete range of development enabling services from concept to completion. Erith cater services from the very earliest planning and budgetary consultancy through initial feasibility studies and remedial advice through to asbestos removal, demolition and infrastructure.

As a business we are able to synchronise these service streams and provide a fully co-ordinated single source solution.

Demolition | Asbestos Removal | Temporary Works | Haulage and Logistics



Collaboration Award

BRANDENBURG INDUSTRIAL SERVICE COMPANY

Country USA **Project** IL1846 Radisson Hotel

Brandenburg was contracted to perform the demolition and asbestos abatement of the Radisson Star Plaza Hotel and Convention Center, which stood in north-west Indiana for over 48 years. The iconic Radisson at Star Plaza hosted several famous acts over the decades from Johnny Cash to Chris Rock. The demolition of the hotel is making way for a redevelopment legacy project to honor the late billionaire Dean White's



contributions to the area and to continue to make the area a destination. The location of the project at US Route 30 and Interstate 65 made for a logistical challenge as it is one of the most travelled intersections in that part of the state. The close proximity to major roadways required detailed planning and careful performance of the proper removal and disposal of approximately 14,000 sq m (150,000 sq ft) of roofing that had asbestos containing material.

During the performance of the demolition project, a natural disaster-training event was coordinated while it was an active demolition site. This required the planning, coordination and participation from Brandenburg to perform certain demolition actions to ensure the safety of over 700 participants that executed recovery efforts and required entry into the collapsed site.

The training event included more than 10 different agencies and was concluded successfully without any incidents.

ERITH CONTRACTORS, NATIONAL GRID PROPERTY HOLDINGS, ADVISIAN (WORLEYPARSONS GROUP), AECOM, MACE, NEWGATE COMMUNICATIONS

Country United Kingdom

Project Rochdale Gasholder No 4 Demolition and Infilling

National Grid has previously dismantled two gasholders at the Rochdale site. This project represents the final giant step for the site to bring it back into beneficial use for the local community. The integrated project team included National Grid, Advisian (WorleyParsons Group), Erith Contractors Limited, AECOM, Mace and Newgate Communications.

The last remaining gasholder at the site dominated the town's skyline and was



considered a local landmark. By collaborating for over six months before demolition, the team identified the project constraints and sensitive aspects.

To address concerns, the team implemented a programme of early engagement including direct mail-outs, community drop-in sessions, proactive press engagement and presentations at local council area forums. To ensure the local community could engage with National Grid, a community hotline and bespoke project email were established.

The project was completed ahead of programme, on budget and with 100% positive feedback from a post-works community survey. National Grid and its project team take collaborative working and community engagement very seriously and the initiatives undertaken as part of the works at Rochdale have set a benchmark for other projects.

The project was also able to provide something back to the local community in the form of a sizeable donation to provide English classes to women from the local Pakistani community and also manufacturer's plates from the gasholder were donated to Touchstones Museum in Rochdale, Littleborough Historical Society, and Fakenham Museum of Gas and Local History to contribute to local and national heritage preservation.



C&D CONSULTANCY 777 DEMOLITION

Country United Kingdom

Project M20 Emergency Motorway Demolition

Few demolition projects could have impacted on so many people and stakeholders as taking down the M20 bridge following a Bank Holiday collision.

One of the UK's busiest motorways would need to be closed and this would inevitably throw up a multitude of issues for commuters struggling to get away for their holidays, travelling to work or just getting from A to B. Throw in the fact that the M20 is the main route into Dover and the Channel Tunnel and the issue goes from being domestic to European.

This was the scenario facing demolition contractor 777 when it received a call from the Highways Agency.

It also had to contend with a lack of information on the bridge and an imposed timeline of just 36 hours to get the job done and the road reopened. Usually this would be a six-month project.

Undeterred by this complex task, 777 enlisted the engineering expertise of C&D Consultancy and set about getting the machinery, operatives and an agreed demolition methodology in place.

There were more hurdles to come. Due to the structural uncertainty of the bridge, the demolition approach had to be changed early on and an alternative methodology created that focused on weakening sections for an intentional collapse.

This approach was very successful and the bridge was brought down and the road tarmacked ahead of the 36-hour schedule, meaning the motorway was reopened earlier than expected, much to the satisfaction of the Highways Agency and thousands of commuters and businesses.



OVER 30 YEARS EXPERIENCE AND STILL PUSHING THE BOUNDARIES ON EXCAVATOR MODIFICATION

ORGANIZED BY
WORLD DEMOLITION AWARDS 2017
SHORTLISTED
INNOVATION AWARD - PLANT & EQUIPMENT

INDUSTRY LEADERS IN DESIGN AND MANUFACTURE OF BESPOKE EXCAVATOR EQUIPMENT AND MODIFICATIONS

Since being founded in 1983 Kocurek Excavators have established ourselves as one of the industry's leading suppliers of excavator front end equipment and base machine modifications. From initial concept and design through to manufacture and completion. Our wealth of expertise and ability to find the solution for our customers sees Kocurek Excavators continually pushing the boundaries in all aspects of excavator modifications.

SAFEDEM

ASSURED DEMOLITION SERVICES

IT ALL COMES DOWN TO PRECISION



WORLD DEMOLITION AWARDS 2017 SHORTLISTED EXPLOSIVE DEMOLITION AWARD



Multi-Award Winning Demolition Experts

Arthurstone House, Liff Road, Dundee DD2 4TD

Tel: +44 1382 811444

Fax: +44 1382 610372

info@safedem.co.uk

www.safedem.co.uk



Contract of the Year under US\$1 million

CERES NEW ZEALAND

Country New Zealand

Project Deconstruction of Haywards HVDC Pole 1 Building

Client Transpower New Zealand

Ceres New Zealand was contracted for the demolition of Pole 1 Building at Haywards HVDC station through a competitive tender process in December 2016.

The scope of work included asbestos cladding removal, dust and sediment controls, demolition of Pole 1 Building, demolition of cable tunnel, crushing concrete debris, backfilling basement, installation of switchyard aggregate and installation of monitoring wells.

The primary challenges on this project include high voltage overhead conductors, hazardous materials, environmental management and training. All risks were managed by effective communication with the

client. All work was conducted under stringent client protocols.

The job was completed with no health and safety or environmental incidents. Even though the final scope of works exceeded the original scope of works, the project was completed within the original timeframe of four months.

A recycling rate of 97.5% was achieved.

The project was in a live AC/DC conversion station servicing the entire country and had the potential to disrupt power to the entire country. The project was completed on time, under budget and is considered as an enormous success for Ceres New Zealand and Transpower. ■



C&D CONSULTANCY APEX GROUP

Country United Kingdom

Project Alltech Stamford

Client John Paul Construction

Apex and C&D Consultancy were set a number of technical challenges in what seemed to be a relatively straightforward demolition of a steel frame building for John Paul Construction.

Careful planning and using each other's strengths proved critical in meeting the stringent timelines and the smooth execution of the demolition, while being mindful of environmental considerations and the small matter of preserving a US\$2 million treasure chest of Japanese artefacts during the work.

Other considerations that had to be addressed and overcome included:

- Unknown culverts running through the site, as well as a river of special scientific interest
- Large quantities of asbestos within cavities and under the floor slab, as well as contaminated land
- Innovative engineering techniques created to ensure retained columns were not damaged and able to be used for the next phase of construction
- Full training for all staff on river safety and working at height.

The project was a resounding success, with the contract completed on time and to the exacting standards of the client. Health and safety and environmental performance have both been widely praised and all the artefacts have remained in the same condition as when the work started.

In short, a fantastic “demolition engineering” solution to what seemed a run of the mill project. ■



GINLEE CONSTRUCTION

Country Singapore

Project Kwong Wai Shiu Hospital **Client** Guan Ho Construction Company

The Kwong Wai Shiu Hospital project was especially challenging as the building is a government certified conservation site. This regulation posed a challenge to the demolition

works and through careful planning, good foresight and innovative machines, the team was able to meet the owner's needs and complete the project.

The main challenge was to demolish the internal structure of the building while retaining the façade. The presence of live buildings and nursing homes in the area also required a more controlled demolition procedure. The team thus chose not to hack the whole structure, but used cutting and crushing for structures close to the facade to minimise noise and vibration transfer. They brought in Brokk hydraulic demolition machines that could do the job well and were also light enough to meet the loading requirements of the building.

Another challenge was that there was limited space for a clear pathway to transport concrete debris away from the site. Hence,

instead of hacking the concrete into debris, the team cut the structure into panels that can be hoisted up by two 80 t mobile cranes situated around the site.

The cranes also helped improve productivity, as there was reduced demolition activity such as no longer needing to pack the debris into bags for transportation.

This project therefore showcased the team's expertise in the demolition of preserved buildings and ability to vary the demolition method according to the project's needs. ■



Contract of the Year under US\$1 million (continued)



PRIESTLY DEMOLITION

Country Canada

Project St Michael's Hospital
Redevelopment

Client Bondfield Construction Company

Priestly Demolition was contracted to perform the demolition of the existing 17 storey stair tower which was land or "building" locked within the existing functioning hospital. The only access to the work was by foot or tower crane. Priestly's demolition plan called for the use of the on site tower crane.

The obvious challenge with demolishing a stair tower is that nothing is level, so Priestly designed and fabricated a self-levelling platform to work from. This platform was installed and moved down through the floors as Priestly went, helping the company to make short work of the removal.

Optimising the capacity of the crane to make the maximum lift was coordinated on site by measuring and laying out the cut lines on the sections of beams, columns, and slabs. Concrete sections, rubble, steel stair stringers and demolition debris were lowered into a Priestly dump trailer and recycled off site. ■



SAVE MONEY

by crushing and screening your waste



WORLD clear
DEMOLITION
AWARDS 2017
SHORTLISTED

UK manufactured

ELECTRIC MODELS AVAILABLE

T: +44 (0)1476 590790 sales@redrhinocrushers.net www.redrhinocrushers.com



2017 Plantworx
Innovation
Awards winner



FOR EFFICIENT DEMOLITION!



- Reduce the number of machines on the site.
- No staff around the machine during tool changes.
- Increased productivity.
- Lightning fast change of hydraulic attachments.
- Reduced transport costs.
- Always the right attachment for the job.
- Eliminates oil spills.
- Protected hose run.
- Increased profitability.
- Improved safety.



BOOK NOW

conference - awards - networking

WORLD DEMOLITION SUMMIT 2017

2 November 2017 LONDON

Millennium Gloucester Hotel, Kensington

CREATED AND ORGANISED BY



IN COOPERATION WITH



Conference speakers and topics



MARTIN BJERREGAARD

Director
Disaster Waste Recovery

TOPIC: Demolition and debris management in Syria



RUPERT CRAVEN

UK & Ireland Sales Director
Ritchie Bros Auctioneers (UK)

TOPIC: The global demolition equipment market of the future



TEDDY HOLT

Director
Radius Crane Management

TOPIC: Safety in the air: Operational challenges of using cranes in demolition



JAMES HOWARD

Director,
Coleman Group

TOPIC: Crisis management and learning from major incidents



AHMED AMIR KHALIL

VP, International Development, Applied Science International

TOPIC: Using demolition simulation technology to save lives

HEADLINE SPONSOR



COMPANIES ALREADY SIGNED UP TO ATTEND INCLUDE

AF Decom / AR Demolition Ltd / Arden Equipment / Brandenburg / C&D Consultancy / Demontage / Dehaco / Delsan-AIM Environmental Services / Demo Diva / Demolition / Envirovantage / Erith / ERM / Ferma Corporation / Genesis GmbH / Ginlee Construction / Kocurek / Komatsu / Lehnhoff Hartstahl / Liberty Industrial / Liugong / Mantovani / Dismantling Corp / O'Donovan Waste Disposal / Oil Quik / O'Keefe Construction Ltd / Ritchie Bros Auctioneers / Rotar / Rye Demolition / Safedem / Sandvik Mining / S...

ENDORSED BY



SILVER SPONSORS



Awards

With 11 categories shortlisted and a total of 43 entries from 32 companies – including entrants from Brazil, Russia and Singapore – it’s certain to be an exciting Awards evening. Network with the global demolition community at the pre dinner drinks and celebrate the achievements of the shortlisted companies during the prestigious awards dinner, hosted by sports commentator John Inverdale.

TO BOOK TICKETS OR TO SEE A FULL LIST OF SHORTLISTED ENTRIES VISIT

www.demolitionsummit.com

Schedule

1 NOVEMBER

Welcome drinks reception: 18:00 - 20:00

2 NOVEMBER

Registration from: 08:00

Conference starts: 09:00

Lunch: 12:40 - 14:10

Conference ends: 17:15

Awards drinks reception: 19:15

Awards dinner: 20:00

AWARDS HOST

JOHN INVERDALE

Sports commentator



SCOTT KNIGHTLY

Founder and President,
EnviroVantage and NDA
President

TOPIC: Demolishing
a five-storey mill



JACQUELINE O'DONOVAN

Managing director,
O'Donovan Waste Disposal

TOPIC: Bringing
demolition, logistics
and waste closer
together



RYAN PRIESTLY

President, Priestly
Demolition Inc.,

TOPIC: Taking down
the Nipigon Bridge



DUNCAN RUDALL

Director,
Rye Demolition

TOPIC: Demolishing an
iconic structure



EIRIK WRAAL

Executive Vice President,
AF Decom

TOPIC: Safety on
the ground: a new
technique for soil
remediation

ancy / Cardem / Caterpillar / Centro Clinico Sudoeste / Ceres / Coleman & Company / Costello Dismantling / Cowi / DDM
ition Resources Inc / Despe sPa / Deutscher Abbruchverband / Disaster Waste Recovery / Dynaset Oy / Eberhard Bau AG
struction / Husqvarna Construction / IDEA / Independent Explosive Engineers Limited / Jet Demolition / Keltbray / Kobelco
anibenne / MB Spa / McGee Group / Metso Minerals / National Federation of Demolition Contractors / North American
d / Perfect Hire / Priestly Demolition Inc / Rachel Contracting / Radius Cranes / Rammer / Raz-Max / Red Rhino Mini Crushers
G Loewendick & Son Inc / Stanley Infrastructure / The Berg Corporation / Volvo / VTN / Winter Environmental / XL Industries

BRONZE SPONSORS

To become a sponsor contact Lynn Collett: Tel: +44 (0)1892 786219 e-mail: lynn.collett@khl.com



Contract of the Year US\$1 million and over



ERITH CONTRACTORS

Country United Kingdom
Project Marble Arch Place
Client Almacantar

Erith was awarded the contract to undertake the demolition works at London's Marble Arch Place in May 2016, inclusive of Marble Arch Tower and an Odeon Cinema at its base. The demolition paves the way for a £400 million (US\$ 518 million) development, aiming to improve the western part of Oxford Street.

A number of intricate demolition techniques were undertaken successfully and impressively considering space constraints of the inner city.

The works involved a number of challenges including; demolition of post-tension beams at the cinema, underpinning of the party wall in the adjacent building and around 200 m (656 ft) of sheet piling/basement propping.

All of which were successfully overcome through a variety of deployed techniques.

Innovative methods and systems were incorporated throughout the duration of



the works including using a high reach excavator in the busy inner city, jet grout underpinning, using Erith's in-house design

CERES NEW ZEALAND

Country New Zealand
Project 61 Molesworth Street
Client Wellington City Council

After the Kaikoura earthquake in November 2016, Ceres mobilised demolition equipment from Christchurch to assist in the emergency demolition works in Wellington. Ceres was contracted by Wellington City Council for the demolition of a multi-storey building at 61 Molesworth Street, which was in danger of imminent collapse due to the damage caused by the earthquake.

The building was in one of the elite areas of the capital and in direct line of sight from the prime minister's office. The key challenges on the project were mobilisation, winning the contract, asbestos management, service disconnections and demobilisation. These risks were managed effectively by seasoned professionals.

The contract, regulatory approval and mobilisation were performed in record time. The project was completed in under three months with the high reach and two demolition excavators. Despite inclement weather, the cordon was reduced to the building footprint before New Year's Day.

Ceres managed to extract a heritage listed mural from the ground floor to the delight of the arts community. This mural was designed by renowned artist Jim Allen and weighed about 36 t. To demolish a 7,000 t concrete structure and still be able to save the mural speaks volumes about the skills and precision of the Ceres team.

Even during the response to this massive disaster, an effective management of resources ensured ongoing projects were on budget and schedule. The quick and efficient response to such disaster events makes Ceres one of the premier disaster response firms in the world.

FERMA CORPORATION

Country USA
Project Schulyer Heim Bridge **Client** MCM Construction

Ferma Corporation was contracted by MCM Construction to remove the existing draw bridge and supporting structures to enable the completion of the new Schulyer Heim Bridge in Long Beach, California.

The specific scope of work for this phase of the project included four primary bridge piers. Two of these piers are within the main active channel and extend with their concrete footings to a depth of 19 m (63 ft) below mean sea level. Ferma used silt curtains to contain material from the demolition activities.

Also, the use of real time sonar equipment for the underwater conditions enabled operators to effectively perform their work. Specialty tools were built for the job, one being a 17,000 kg (38,000 lb) universal processor that fractured up to 2.13 m (7 ft) thick concrete therefore minimising turbidity

output into the water. Diving crews were required to identify and mark areas where concrete debris was present for removal.

This project used to a great extent some of the largest excavators available to perform a job in a non-routine environment while maintaining environmental compliance. The equipment and tools for this job were modified as needed to accommodate the working conditions, underwater, such that the project could be completed within the framework of the overall job scope.

Due to work in the area of an active sea channel, special consideration was necessary to protect the safety of the workers. A specific water rescue plan was enacted for the site including floatation devices the use of divers, and the use of boats.

The job was completed without incident. ■





consultants and using Electronic Data Management System (Ezone).

Erith ensured high levels of engagement with the client, the public and regulatory authorities, all of which enabled a seamless delivery of the works. It also ensured the messages of its safety campaigns were embedded within the workforce's actions this led to exemplary health and safety results on site. This year marks 50 years of service for Erith and it has undertaken some outstanding projects during 2017. ■

RACHEL CONTRACTING

Country USA

Project Deconstruction of ADC & RCGC West Buildings **Client** Ramsey County

Deconstruction of the Ramsey County Adult Detention Center (ADC) and Ramsey County Government Center (RCGC) West Buildings in St Paul, Minnesota presented a tough task, but Rachel Contracting stepped up to the challenge. Seven buildings, sprawling 10 storeys tall across two city blocks of a busy metropolitan thoroughfare made for a challenging demolition project. This project was further complicated because the structures were literally built into the bluffs of the Mississippi River in downtown St Paul.

In addition to significant environmental remediation requiring over 8,000 hours of intricate asbestos removal, the project entailed mass stabilisation of the 24 m (80 ft) tall bluff along the entire length of the structures. The stabilisation design of the bluff required the installation of 450 EA 13 m (40 ft) long anchors, and the anchors had to be installed from inside of the existing structure.

The innovative approach was essential in making sure the bluff didn't have any sloughing or movement. Any movement would jeopardise the structural integrity of several nearby structures and infrastructure. Crews completed stabilisation and the long awaited demolition operations commenced. Rachel used a fleet of equipment to bring the buildings down, but leading the way was a Volvo EC700 high reach excavator with a

Genesis GDT290 attachment. This special excavator allowed demolition to proceed in a safe and efficient top down manner despite the challenges and complexity of the project. Once deconstruction of the buildings was wrapped up, crews focused on processing concrete and building a new structural concrete wall that will be anchored to the previously installed rock anchors for final bluff stabilisation.

Redevelopment is next for the prime riverfront property as plans are in place for a proposed US\$250 million development. ■



The World Demolition Award and New Entrant Award

The **WORLD DEMOLITION AWARD** will be presented at the end of the awards ceremony to the company or companies who in the opinion of the judges submitted the best overall entry across all 11 categories of the awards.

The judges for each category were as follows:

- **CIVILS** – Henrik Bonnesen, Bill Moore, Patrick Frye
- **COLLABORATION** – Henrik Bonnesen, Patrick Frye, Jim Graham
- **CONTRACT UNDER US\$1M** – Henrik Bonnesen, Dan Costello, Jim Graham
- **CONTRACT US\$1M AND OVER** – Clinton Dick, Bill Moore, William Sinclair
- **EXPLOSIVE DEMOLITION** – Dan Costello, Clinton Dick, John Woodward
- **INDUSTRIAL DEMOLITION** – Patrick Frye, Bill Moore, John Woodward
- **INNOVATION, PLANT AND EQUIPMENT** – Dan Costello, Jim Graham, John Woodward

■ INNOVATION, TOOLS AND ATTACHMENTS

– Clinton Dick, Bill Moore, William Sinclair

■ RECYCLING AND ENVIRONMENTAL

– Henrik Bonnesen, Patrick Frye, Jim Graham

■ SAFETY AND TRAINING

– Clinton Dick, William Sinclair, John Woodward

■ URBAN DEMOLITION

– Dan Costello, William Sinclair, John Woodward

■ WORLD DEMOLITION AWARD

– All judges

The **NEW ENTRANT AWARD** will be given to the company entering the awards for the first time – or after a period of absence – that has most impressed the judges without actually winning in the category it is part of.

The 2017 awards include several new names and as well as thanking them for their enthusiasm it is hoped that the chance of winning the New Entrant prize will inspire and encourage similar entries into the future.

It involves no extra work on the part of either the entrant or the judges, and will be awarded to the highest scoring company that has entered for the first time or has put forward an entry for the first time in at least three years.

Any first time entrants who win in their category, or any returning companies who have previously won a World Demolition Awards category, will not be eligible.

The award will be presented alongside those for the traditional categories at London's Millennium Gloucester Hotel.

**THE NEW UPX 1800
UNIVERSAL PROCESSOR BOASTS
A 7 FOOT APPETITE**



OPEN WIDE



Explosive Demolition Award

CARDEM

Country France

Cardem performed an explosive demolition of a 115-apartment building in a very dense urban environment with strong societal constraints.

It had to adapt to these strong constraints in term of noise, dust and concrete projection reduction.

The proximity of a school and another apartment building led Cardem to realise an explosive demolition with directed fall.

This demolition needed more than six months of preparation before the blasting day. Seven floors were weakened and 1,400

sq m (15,000 sq ft) of concrete walls pre-demolished. A total of 1,205 m (3,950 ft) of holes were drilled to load six floors with explosives. Also, 7,000 sq m (75,000 sq ft) of geotextiles and grilling have been used for explosive protection and reduce projections, and 4,500 sq m (48,000 sq ft) of facade have been protected on a 50 m (184 ft) radius.

Over 1,000 people were evacuated for the blasting. For dust reduction 23 pools of water were blasted with detonating cords.

No one was injured during the job or the demolition day. ■



SAFEDEM

Country United Kingdom

The Belville Street tower block had previously been labelled a structure “too difficult to demolish”. Not because of the structure itself, but more due to what was surrounding it. The risks had been deemed too great.

The 19-storey tower block sat perched upon a cliff top, with the electrified west coast main line located at the bottom of the cliff. The risk of debris falling down nearly 40 m (130 ft) and causing mass destruction of Network Rail’s assets was an issue that had the client, River Clyde Homes, scratching its head.

To design a demolition engineering solution that could be safely executed, River Clyde Homes appointed tower block demolition expert, Safedem.

The result defied the laws of physics as Safedem successfully demolished and directed the structure up hill, ensuring that no debris whatsoever landed on the railway below, ensuring the railway was reopened just 14 minutes after post blowdown inspections. ■

JET DEMOLITION

Country South Africa

Situated on less than 0.2 hectares (0.5 acres) in a densely occupied urban environment, it was abundantly clear from first sight that the 15-storey H G de Witt Building would be one of those demolition projects that literally kept you awake at night.

The exceedingly tight site made it necessary to produce a centre-drop implosion action that would emphatically pull the east end of the building and thereby “ride” it to the west, while simultaneously pulling in the west end of the building. Critical requirements for the success of this design were a strong lower “spine” of the eastern end of the building to support it during the “ride”, for no kickback action of the east end to occur, and for the floors linking the east, west and central portions of the building to not separate as the centre portion dropped vertically downward.

Strengthening the spine and precluding kickback were achieved by installing two heavy steel columns three-storeys high in the east end of the building.

The strength and stretch of floors was bolstered by a novel implosion method using a total of 64 high-strength, high-elongation


steel mining tendons from east to west across the building. The successful implosion design and extremely detailed attention to project execution achieved the required results, with the collapse mechanism leading to the formation of a pancaked, pyramid-shaped rubble pile as required by the restrictive site. ■



ONE IDEA MORE SOLUTIONS



MAKE MORE

 vtneurope.com

Industrial Demolition Award

DDM DEMONTAGE

Country Netherlands

Project Deconstruction of two Hyperboloid Steel Cooling Towers

Client Shell Deutschland Oil

Due to technological innovation, the two 72 m (236 ft) high hyperboloid cooling towers became redundant and needed to be removed. The cooling towers were constructed from external steel skeleton structures with asbestos cement sheeting on the inside. Since the 1950s the towers had been completely surrounded on all sides.

Extensive comprehensive planning and engineering by both the client and DDM resulted in both an innovative and safe plan of works. The main challenges were how to remove these towers without interference to the surrounding operational plants.

With a tower crane, multiple hydraulic cranes and a 90 m (295 ft) high elevated work platform the asbestos cement sheeting was dismantled. The sequence of the removal of the parts was carefully engineered to ensure structural integrity was maintained throughout the demolition. The steel structure was cut by burners and carefully lifted down. With heavy machinery, the concrete base and foundations were removed.

The successful removal of the towers was



done on time and within budget. The area of the cooling towers is now a building site for a new steam plant.

In total 10,846 sheets of asbestos cement were removed. More than 6,700 t of material was demolished with over 700 truckloads

transported and 45,000 man hours spent, all without the environment getting damaged or anybody getting hurt.

The comprehensive preparations and the partnership with the client was the main success of this project. ■

DELSAN-AIM

Country Canada

Project Demolition of former Abitibi Bowater Pulp and Paper Plant

Client Government of Newfoundland and Labrador

Delsan-AIM entered into a contract with the government of Newfoundland and Labrador (NL) to undertake the decommissioning and demolition of a former paper mill Grand Falls – Windsor,

NL. A hydroelectric generating facility, that was part of the mill operations, remained in-service during the course of the project. All work was performed safely, with no health and safety issues and in collaboration with

the client, the hydroelectric generating station and the community.

Delsan-AIM managed and executed all aspects of the project, which included the abatement and disposal of all remaining designated substances and hazardous materials, such as asbestos-containing materials, lead paint, PCBs, residual oils as well as mercury-containing equipment.

Once decommissioning work was completed, Delsan-AIM proceeded with the demolition and removal of the specified buildings and structures by employing mechanical methods using a fleet of eight full-size excavators equipped with a range of specialised attachments for both demolition and material handling operations. The fleet also included a state-of-the-art high-reach excavator with a maximum range of 24 m (80 ft). For structures beyond this range, Delsan-AIM employed engineered procedures to safely control drop a 53 m (175 ft) water tower as well as a 39 m (130 ft) high precipitator. In addition, Delsan-AIM used a remote-controlled mini-excavator, suspended by a mobile crane, to systematically lower a 67 m (220 ft) brick stack to a safe elevation, which permitted the remainder of the structure to be demolished with the high-reach excavator.

All non-ferrous scrap metals and ferrous scrap – which amounted to about 25,000 t – was recycled. ■



Industrial Demolition Award (continued)



ERITH CONTRACTORS

Country United Kingdom
Project BMS Site Transformation Demolition Project
Client Bristol-Myers Squibb

This project saw Erith demolish a bulk pharmaceutical manufacturing plant for its client, BMS, to pave the way for one of the largest construction projects in Ireland – the construction of a state-of-the-art facility for manufacturing two brand new and ground-breaking drugs to treat cancer.

The project brought with it the challenge of safely disposing of around 650 t of hazardous chemical and pharmaceutical waste. Further challenges were presented by the fact that a replacement pharmaceutical manufacturing plant was simultaneously being constructed and populated on site, resulting in 2,000 staff on site and a high risk of cross-contamination into the new facility.

Using five decades of experience, it tackled these challenges head-on, implementing solutions including:

- Conducting the largest top-down demolition works ever seen in Ireland
- Utilising innovative remote-controlled Brokk machines to maximise safety and enable access to restrictive areas of site
- Creating Ireland's largest scaffolding project, with 7,500 sq m (80,000 sq ft) of scaffolding used for the 42 m (137 ft) high production building.

Erith maximised Health and Safety Executive standards by investing €25,000 (US\$30,000) in training, creating around 2,000 safety procedures and documents, and investing €150,000 (\$180,000) in PPE, RPE and welfare facilities. Its standards enabled it to pass four audits from the Health and Safety Authority and Environmental Protection Agency with flying colours.

The project was a resounding success, with 131,000 man hours completed without any lost time injuries, hundreds of tonnes of hazardous waste safely removed, and 96% of non-hazardous waste recycled. Erith completed the project on budget and eight weeks early. ■

RAZ-MAX

Country Russia
Project Demolition of "Vostochny Mine's Boiler House and Fuel Oil Facility"
Client FosAgro Group

This project was technically complicated due to site-specific hazards, site density and the need to ensure the facility's continuous operation.

The challenges and risks were :

1. The ambient temperatures varied from -28 °C to 11.3 °C. For 70% of the project time, temperatures dropped to zero necessitating the adaptation of equipment and infrastructure to extreme weather conditions
2. Underground cavities, tunnels and utilities in the main building.
3. Densely built-up areas and ongoing

operations at the site made it difficult to carry out explosion-assisted demolition (primarily stacks).

Additional information:

- The project used Building Information Modelling software: each selected technology was first tested on an in-house 3D model
- Pre-project work took five months, Trimble TX5 laser scanner was used for measurements
- Dust suppression system: WLP 718
- Waste treatment: hydroabrasive and Soilex technology to be specified. ■



Innovation in Engineering



Proud to be shortlisted for the Recycling and Environmental World Demolition Award 2017

Keltbray Group is a UK leading specialist business, which offers engineering, construction, demolition, decommissioning, remediation, rail, environmental services and reinforced concrete frame solutions nationwide.

With the goal of being best in class, customers trust in Keltbray to deliver projects safely, on time and budget, and with care for the environment and our communities.

At Earls Court this meant we have diverted 99.3% of waste from landfill. Combined with a range of energy-saving initiatives, this saved thousands of HGV movements and tonnes of emissions. We offset further carbon through tree planting in nearby schools, and applied innovative solutions to minimise noise, dust and vibration impact for our neighbours to the site.

 **keltbray**
serious on environment 

St Andrew's House, Portsmouth Road
Esher, Surrey KT10 9TA

T 020 7643 1000

F 020 7643 1001

E enquiries@keltbray.com

www.keltbray.com

Manufacturers' Innovation, Plant and Equipment

KOCUREK

Country United Kingdom

Kocurek was approached by a UK contractor with the request to design and manufacture a demolition excavator derived from a standard mining excavator. For this project, a Cat 6015B was selected by the customer and delivered to Kocurek. A unique set of requirements were requested that were fundamentally different from any tracked demolition excavator previously manufactured.

The Kocurek customer requested a combination of the two categories on a fully converted base machine – high reach and heavy duty. A working range of between -19 and +70 m (-62 and +230 ft) was required with varied attachment weights. The engineering team at Kocurek devised a modular system that could be interchanged onto the front of the heavily modified base machine for a variety of working conditions. The result is a demolition machine that had undergone substantial modification to achieve the design specification. Final build specification resulted in multiple interchangeable front equipment with a working attachment range from 2,500 kg (5,500 lb) at 70 m to 12,000 kg (26,500 lb) at -19m. The initial start point of the project was a machine with firmly established roots in mining. The end result was a multi-use demolition excavator that weighed 225 t.

This machine however was easily dismantled and transported to even to the most confined city locations.

Kocurek brought the machine to market in May 2017, and the machine was delivered directly to its maiden job site where it has since been working on the demolition of a major London football stadium.



KOMATSU EUROPE

Country United Kingdom

Launched in June 2017, the PC390HRD-11 machine is the latest in a long line of European-built high reach machines from Komatsu. The new machine has been developed from the outset to work in six different configurations.

The machine is capable of carrying a hydraulic breaker for 36 t class excavator up to a height of around 15.5 m (50 ft), and typical demolition tools up to a maximum height of 26 m (85 ft). A boom extension piece can be used to vary the working configuration of the machine significantly. All from a machine which weighs less than 56,000 kg (123,500 lb) with the standard undercarriage installed.

This versatility and low transport weight is intended to allow the machine to be deployed quickly to any demolition project, using the



appropriate tools, with the utmost in operator control and safety.

With a team of UK based design and development engineers dedicated to demolition products, Komatsu is excited to be involved with the challenges of the demolition industry and committed to supporting the industry in the long term. It continues to develop advanced demolition products, taking great care to incorporate customer and operator feedback into every demolition machine development.

Komatsu approved components are used throughout the machine,

As a fully specified factory machine the PC390HRD-11 is fully supported by Komatsu's after care programmes and warranties, which minimises interruption in case of damage.



XL INDUSTRIES
Country France

As part of the Harbour Control Tower demolition project carried on in Sydney, Australia, XL Industries designed a state-of-the-art modular access system. It provides the perfect solution to working on façade and on landmark demolition when there is a need of surrounding the construction, it greatly raises the safety and productivity standards.

This multi-mast circular climbing platform provides the following:

1. Surround precisely the landmark with an assembly of various decks
2. Adjust to changing shape thanks to electric telescopic extension

3. Level up at any time with its synchronised drive units
4. Carry heavy loads and support horizontal loads such as demolition excavators
5. Provide safe and comfortable workplace and lower hardship
6. Permanent and emergency access with a men and goods hoist paired on one mast.

The maximum configuration is 10,000 kg (22,000 lb) over 24 masts covering a 100 m (328 ft) wide construction.

This climbing platform is a new step toward greater modularity providing by XL's XMH system now able to fit any kind of project. ■



RED RHINO
Country United Kingdom

Simon Winfield, managing director of Red Rhino (UK) said: "One of the attractions of acquiring the Red Rhino Mini-Crusher brand in 2009 was the opportunity to help to drive down harmful emissions by reprocessing waste materials for use on the same site.

"Over the years we have supplied to some either remote or specialised areas and due to some enquiries we had in to the business we saw a potential gap in the market. As our most popular crushers and screens are track mounted with diesel hydraulic drive fully complying with the latest and most stringent global emission regulations.

"Continuing the environmental theme, we decided to develop an all-electric version of



our very popular 5000 Series tracked crusher. This excellent plant has a 500 x 250 mm jaw crusher and has been fitted with a 30 kW electric motor in place of the diesel engine.

The first electric version has been sold to crush material in an underground mine but could be deployed inside a building, tunnel or wherever exhaust emissions cannot be tolerated." ■

INTRODUCING THE ONLY BALER THAT FITS IN AN ELEVATOR!



DEMOLITION
RESOURCES
INC.

Innovation in Demolition™

MODULAR LIGHT DUTY BALER*

Developed by demolition experts for the demolition industry.



Volume and Labor Savings

- 12:1 reduction in elevator trips
- 75% labor reduction and increased safety
- Load material directly on trailers, no dumpsters needed

Simply Creates Premium Bales

- Less than 5 minutes to assemble and bale
- Can yield premium material for higher prices
- Moves easily within the demolition site

*patent pending

For more information and video demonstration, contact us today.
www.demolitionresources.com | mick@demolitionresources.com

Talk to us at
the Summit!



DELSAN

DEMOLITION | ABATEMENT | DECOMMISSIONING

We prepare the future...

A Canadian company since 1994

- | Complete Decommissioning and Demolition
- | Civil Demolition
- | Hazardous Material Abatement
- | Metal Recycling

THE KEY TO OUR SUCCESS:

- | Unwavering Commitment to Health and Safety
- | Personalized Project Management
- | Innovative Solutions
- | Expertise in Planning and Engineering
- | Specialized, Experienced and Dynamic Team

WWW.DELSAN-AIM.COM

Manufacturers' Innovation, Tools and Attachments

DEMOLITION RESOURCES INC

Country USA

Interior demolition projects are most commonly done manually. With thousands of high-rises around the world, there are additional challenges that make the process costly and potentially hazardous to workers on the job site.

Demolition Resources Inc was founded by demolition professionals with over 40 years experience. The company designed the Modular Light Duty Baler (MLDB) to limit the handling of potentially harmful products and make the disposal of them safer, faster, and more profitable for the demolition contractor. It has been in production since April 2017.



- Features are as follows:
- Will fit in most freight elevators
 - Ready to run in under two minutes
 - 30-second baling cycle
 - 5:1 volume reduction of light metal materials
 - Up to 80% savings on dumpster volume
 - Made in USA.

“The project... is an interior demolition and abatement on over a million square feet with limited elevator access,” said Richard Beck, lead superintendent, NE Construction, Lewisville, Texas.

“With this baler, my demolition contractor can bring 40 or more bales down at one time on a rolling flat cart in the elevator against 35 to 40 trips using a conventional rolling trash cart. Reduced wear and tear on old freight elevators means limited downtime.”

The MLDB is the only purpose-built baler that can manoeuvre within a high-rise building. It greatly simplifies the gathering and removal of the light metal components in an interior demolition project. It will improve safety on the job site, increase efficiency of labour, optimise elevator use, and deliver higher prepared metal prices.

MB CRUSHER

Country Italy

Designed to work on loaders and backhoe loaders from 12 to 25 t, the MB-LS220 screening bucket is the evolution of screening.

It allows the optimisation of loaders and backhoe loader operations, transforming them into an efficient mobile screening plant, able to process debris in all phases. As it does not need to operate over the heap of material, it facilitates and speeds up the processing of the material on different areas of the same construction site.

It reduces crushing time by up to 60% and allows recovery of materials suitable for any project, optimising resources.

Used in any type of process for separation of waste or natural materials, the MB-LS220 can sift material of various sizes.

It is suited for the primary selection of waste, demolition and excavation material, reclaiming of rocky grounds, cleaning of natural stones and debris in beaches, recycling of material in quarries and mines and in all demolition sites.

It is equipped with interchangeable modular panels to allow a rapid change of grid size. The conic basket shape is designed to significantly increase the hourly production performance and to sift all the material scooped, with no residue.



HUSQVARNA CONSTRUCTION PRODUCTS

Country Sweden

When developing new products, accessories or diamond tools, Husqvarna endeavours to look at ways of improving efficiency for the user as well as thinking about the health of the user and the surrounding environment.

Dust has been and still is a very topical issue within the construction industry, with the demolition and breaking of concrete an inevitable concern for many companies. Husqvarna has been aware that the regulation of dust particles while working with products such as DXR demolition robots would become more stringent and has therefore introduced a new dust reduction accessory solution.

This accessory is designed for all Husqvarna DXR robots and is to be used with tools including the SB 152/202/302 Atlas Copco breakers. It supplies water to the tool that is sufficient to bind the airborne dust, contributing to a better working environment and reducing the risk of the operator breathing harmful dust particles whilst demolishing.

The dust reduction accessory also provides a more efficient and economical way of

working by eliminating auxiliary equipment and freeing any additional workers that may have previously been engaged in holding a water hose to spray water in the work area.



Manufacturers' Innovation, Tools and Attachments

LABOUNTY Country USA

The demolition industry is increasingly being confronted with more difficult concrete to process. In response, LaBounty has incorporated over 40 years of knowledge into the design of its latest state of the art demolition tool. The LaBounty UPX1800 is the largest and most powerful product in a new platform of work tools that are based on the original LaBounty patent for universal processors.

The 15,650 kg LaBounty (34,500 lb) UPX1800 has the industry's best power to weight ratio with a massive jaw opening of 280 cm (9 ft 2 in). Designed for both high reach and underwater demolition this tool can process massive concrete both above and below grade.

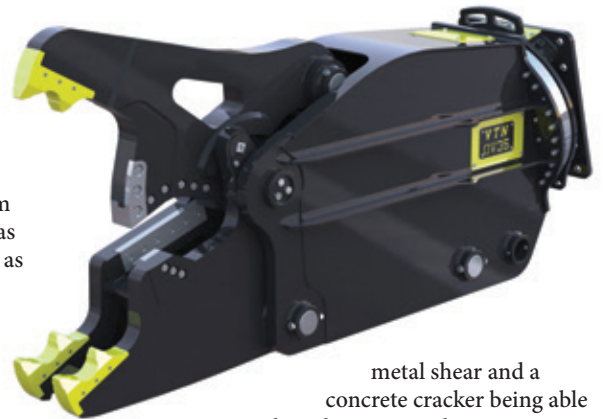
Features include MSD Saber Cylinder Technology. Based on the LaBounty patented "Retaining Ring for Hydraulic Piston" the new UPX cylinders are described as having unmatched durability and eliminating potential failures of internal fasteners in the hydraulic system. ■

VTN EUROPE Country Italy

VTN Europe presents the Omnivore OV35, the only multipurpose demolition tool with adjustable kinematics able to perform demolition jobs cutting steel as well as concrete in an optimised way as well as dedicated tools.

The development of this new innovative demolition attachment started out from an evaluation of the existing solutions which all have one fixed cylinder set up with fixed kinematics either for concrete, for steel or a balanced set up as a compromise between these two materials.

The objective of the new omnivore shear was to overcome this limit as much as possible by providing a tool with an adjustable setting to have either the optimum closing curve for concrete in one position and the optimum curve for steel beams for the other, with just one jaw set as if it were a dedicated machine both for concrete and for steel, where normally one would need two dedicated tools like a



metal shear and a concrete cracker being able to replace these two with just one.

The OV35 can therefore be seen as your universal 3.5 t Swiss pocket-knife for demolition jobs for excavators with an operating weight-range from 35 to 50 t and for high reach applications of machines with tool weight specs in the range from 3.5 to 5 t.

VTN says it is already planning the development of other models with this patented adjustable kinematics in the near future to enable our demolition customers to be prepared for the future of demolition, whatever that will bring. ■

TERA fitted with CC Watertank and wheel loader frame

- Preventing dust emissions during demolition, renovation and recycling operations.
- The Tera consumes very little water, making this a highly effective and efficient unit.
- The Dehaco Tera is the champion of dust control.



TERA
POWERED BY
DEHACO

COMPLETE SUPPLIER FOR THE DEMOLITION RECYCLING AND SANITATION INDUSTRY



Dehaco B.V. • Kruisbaak 25
2165 AJ Lisserbroek (NL)

+31 (0)88 - 20 20 600 @ info@dehaco.nl



DEHACO

SALES | RENTAL | MAINTENANCE | DEVELOPMENT | WWW.DEHACO.NL



PROUD TO PERFORM

DEMOLITION

HIGH REACH DEMOLITION

ENGINE POWER 202 - 270 kW OPERATING WEIGHT 46 - 71 ton ATTACHMENT WEIGHT max. 5,0 ton

Demolition is a business for experts. From bare steel, Komatsu's demolition excavators are designed and manufactured as fully-specified demolition machines, and all key components thoroughly tested so you can work safely and efficiently. With Komatsu's experience, unrivalled quality and built-in versatility, together with our service packages and worldwide support infrastructure, you can have total confidence in the operation and long term ownership of your Komatsu demolition machine.

KOMATSU



WWW.KOMATSU.EU



JET DEMOLITION (PTY) LTD
 AFRICA'S PREMIER DEMOLITION COMPANY
 www.jetdemolition.co.za info@jetdemolition.co.za



RYE

DEMOLITION SERVICES



Rye Demolition Ltd has an enviable reputation for delivering quality, professionalism and value on all its projects and demands the highest standards with the emphasis on Health and Safety and the Environment.



T: 01296 770780

E: Info@ryedemolition.co.uk

Recycling and Environmental Award

CENTRO CLINICO SUDOESTE Country Brazil

The condominium of the Southwest clinical centre, located in the Sudoeste neighbourhood in Brasilia, undertook important work to its premises. Between March and April 2017 it removed all polycarbonate and support beams from the central patio that were already more than 13 years old and installed a tensioned canvas structure. More than 7 t of metal were removed and shipped for recycling. With the canvas cutouts, instead of incineration it was decided to hire a cooperative of craftsmen from Brasilia to make beautiful promotional bags of the building. The canvas distributed among the condominiums to assist in grocery shopping for example, adhering to the fashion for ecological bags and avoiding the consumption and dumping of plastic bags.

As the arches and cones that support the canvas are higher than the old cover, a greater sense of amplitude and space was obtained in the more than 918 sq m (9,881 sq ft) included in the project. ■



PERFECT CONTRACTING Country Australia

As a growing demolition contractor servicing the construction industry in New South Wales, Perfect Contracting is aware of its carbon footprint and has set goals to achieve

with regards to the environment. Being ISO 14001 accredited has helped it achieve some of these goals and it is undergoing an audit for GreenStar accreditation. ■

KELTBRAY Country United Kingdom

The Earl's Court project in London was an extremely large and complex project located in a residential area, requiring the demolition of structures comparable in scale to that of a conventional power station.

High waste reuse and recycling rates have been achieved, with 99.3% of waste diversion from landfill and 111,894 t of crushed concrete

reused on site of production. This prevented removal of material as waste as well as future requirements to import material for future works, saving 6,200 HGV movements and 149 tonnes of CO₂e associated carbon emissions. A further 21,600 t of material was reused on other London Keltbray demolition sites.

The project has offset the carbon emissions



PRIESTLY DEMOLITION Country Canada

Priestly Demolition was contracted by Daniels Humber River Corporation to perform the abatement and demolition of the former Humber River Hospital located at

2175 Keele Street in the city of Toronto, Canada. The hospital consisted of the seven-storey east tower, nine-storey west tower, power plant, and service tunnel. ■

associated with the workforce's commute, offsetting 202 t of CO₂e by planting 202 trees in three local schools.

The development has gone above and beyond best practice to minimise environmental impacts and disturbances of works for removal of Bridge 19 and 61 portal beams spanning over train lines. In both cases great success was seen in reducing environmental disturbances of noise, dust and vibration by applying innovative and technical solutions with extensive noise reduction measures in replacement of traditional demolition methods.

For the duration of all works, best practice methods were selected throughout to minimise noise, dust and vibration impacts to neighbouring residents with compliance monitored 24/7 by continuous real-time monitors.

As well as energy saving initiatives, zero carbon energy was purchased from the grid and the project facilitated research and development on machinery emissions for the construction industry. ■

UNIQUE

ALWAYS & EVERYWHERE



DDMADVERTISING.COM

NEW GENERATION SYSTEMS FOR CRUSHING AND RECYCLING

Demolitions | Maintenance of agricultural spaces | Road works and Urban job sites | Recycling | Quarries and Mines | Piping and Excavation | Tunnels and Enclosed spaces

WORLDWIDE LEADER For over 15 years MB CRUSHER has been researching and developing advanced machinery and solutions for road works, demolition and recycling sectors. Next-generation products, applicable to any heavy machine, to transform it into a crusher or enhance its performance while optimizing on-site resources.

MB[®]
THE CRUSHING EVOLUTION

WORLD DEMOLITION AWARDS 2017 SHORTLISTED

EVOLVED | VERSATILE | STRONG



info@mbcrusher.com

www.mbcruiser.com

Safety and Training Award



AR DEMOLITION Country United Kingdom

AR Demolition's (ARD) objective has always been to build a high quality, sustainable business where reinvestment and teamwork come together to deliver projects on budget, on schedule and while embracing best practice. This can only be achieved through a high degree of professionalism.

Good quality training has always been at the core of the ARD ethos ensuring all staff remain knowledgeable about their role and what is expected of them, which in turn translates into excellent productivity and project delivery.

ARD recognises that recruiting highly skilled professional demolition engineers is a constant challenge and it endeavours to be engaged at every level of the education system to promote careers in demolition.

Motivation for entering the awards is to promote industry best practice and to learn from the experience. ■



COLEMAN & COMPANY Country United Kingdom

The Coleman Group's training programme outlines training and development requirements for every employee on an annual basis.

With training and experience expectations clearly identified at the start of each annual cycle, the group can better risk rate and resource projects.

This ensures that all safety standards are exceeded through the deployment of

highly trained and experienced demolition professionals. Designed to ensure that each team member is equipped with the practical skills and knowledge required to perform their duties in a competent and capable manner, "Coleman and Me" encourages proactivity and commitment from employees over a 12-month period, in working towards strategic business growth, individual promotion and transparent pay scale increases. ■

ERITH CONTRACTORS Country United Kingdom

Erith's turnover has increased year on year, its number of man hours worked has doubled and all the while its safety statistics have remained exemplary.

It launched a new training division, Erith

Training Services (ETS), aiming to improve Erith as a business and the industry as a whole. It offers over 80 training courses to the wider industry and has seen the quality of training rise since ETS's inception.

Erith has created a number of innovative facilities within its newly constructed training centre ensuring that all industry personnel



received new levels of quality training. Further to this, it produces continuous professional development plans so it can retain and develop all employees.

Rising from a five-member Health & Safety (H&S) team to a 22 member H&S and Training team, it has remained at the forefront of safety developments. It has successfully and safely delivered more than 20 projects this year.

Newly developed safety campaigns have further embedded the message of safety into the behaviours of all employees.

Erith has earned many certificates, accreditations and is backed by industry bodies.

Reaching unprecedented levels in safety Erith says it will continue to improve standards industry wide. ■

PERFECT CONTRACTING Country Australia

Perfect Contracting strives to improve its safety and training right throughout our company for each and every team member. It has implemented a new induction and training programme for each of our new team members. During the works it carried out for the Town Hall station project for its client Sydney Trains it had zero incidents. This was a direct result from the extensive work it has put into its safety and training programme. ■



Urban Demolition Award

THE BERG CORPORATION

Country USA

Project The Museum of The Bible

Client Clark Construction

The Bible Museum was an intensive and massive structural and selective demolition of an aging building surrounded by active pedestrian, vehicular, subterranean and railway traffic in the heart of one of the most congested, scrutinised and important cities in the United States. The environment surrounding the project was not only politically charged but physically daunting. A margin for error did not exist. These facts, coupled with the multiple concurrent operations occurring in close proximity, made the project a monumental task and required the highest level of coordination and planning.

Each of the separate operations would have been plausible, yet still difficult, if they had been completed separately and concurrently. But to run these operations together really made the project stand out from any other.

Added to the complexity of the project was the aggressive time line of operations and the potential for injury or incident to life and property. In the face of daunting challenges, the Berg Corporation performed eloquently and in perfect concert. The outcome was just as planned, the top two floors and every odd numbered floor of the Washington Design Center (WDC) had been removed, the exterior walls of the WDC had been preserved, the adjacent Hyphen Building had been demolished and its foundations and sub-grade removed to a depth of 12.8 m (42 ft), and the basement and sub-grade of the WDC had been excavated and reinforced to provide a strong foundation for the new Museum of The Bible. All of this occurred on time, on budget and without major incident.



ERITH CONTRACTORS

Country United Kingdom

Project Hanover Square **Client** Great Portland Estates

As part of London's Crossrail project, the site of Hanover Square in the West End is being transformed to create the new Crossrail Eastern Ticket Hall Station, along with an accompanying £500 million (US\$645 million) development of retail, office and residential space.

Last year saw Erith demolish 12 properties to make way for this new development, while retaining eight of the historical façades, one of which is Grade II listed.

Erith used its five decades of experience in the sector to tackle numerous challenges, one of which was the fact that Crossrail's TBS (Temporary Builders Supply) was located within the footprint of Erith's site, significantly limiting access.

Erith's creative solution saw it crane a 20 t excavator into the restricted area of the site and construct a conveyor belt system to

efficiently channel the waste around the TBS facility.

Further challenges were presented due to the number of adjoining properties within Hanover Square, which resulted in Erith being required to operate within no fewer than 11 freehold party wall agreements as well as multiple leasehold party wall agreements. The project ran for a period of 16 months and was successfully delivered on time and within budget, and thanks to a range of cost efficiency measures, Erith was able to deliver cost savings to the client of around £80,000 (\$103,000).

Erith's commitment to health, safety and environmental standards resulted in more than 80,000 man hours being completed without any reportable incidents or lost time, along with zero environmental incidents, and 98.1% of waste being recycled.

LIBERTY INDUSTRIAL

Country Australia

Project Sydney Harbour Control Tower Deconstruction

Client Barangaroo Delivery Authority

The project involved the deconstruction of the 87 m (285 ft) high landmark Sydney Harbour Control Tower. The tower consisted of a reinforced concrete column topped by a stainless steel and glass operations area.

Liberty Industrial was appointed to remove the tower following the proposal of an innovative and carefully considered deconstruction methodology designed to minimise the impact on local residents, businesses and visitors to the parkland where the tower is situated.

Mindful that the site is situated in close proximity to a residential area with many heritage-listed buildings and in the middle of a public space, Liberty proposed an alternative methodology designed to limit the footprint of the site and minimise noise, dust and vibration.

Liberty proposed a deconstruction methodology was unlike any other performed in Australia to date, combining the erection of a custom built heavy duty work platform with remote-controlled Brokk demolition excavators.

Working from the platform, remote controlled excavators fitted with hammer and pulveriser attachments demolished the structure pushing the debris inside the tower shaft. The rubble was collected via an opening at the base of the tower and transported off site for recycling.

Progressively, the tower diminished in height, and the platform followed, lowering itself to constantly provide an adapted work area around the tower core.



O'KEEFE DEMOLITION

Country United Kingdom
Project Walsingham House
Client ISG Construction

Walsingham House was a particularly challenging project for O'Keefe for various reasons – it was a tight urban site adjoined to a hotel, no tower crane could be used, and there were archaeological investigations going on at the time.

The building in Trinity Square is located in one of London's most popular tourist areas. It is flanked by the Tower of London and Tower Bridge and falls beneath the imposing shadows cast by the Shard across the river and the Walkie Talkie building just around the corner. Located within the Trinity Square Conservation Area, it is being transformed into modern and much-needed office space in the heart of the City of London.

To facilitate the development, O'Keefe had to demolish the internal structure of the building and retain the external Portland stone façade. To make the situation even more complex, the site adjoins a hotel with narrow streets which are constantly busy with people.

The site was of archaeological interest and was subject to investigations within the basement for a large part of the programme, with spoil moved by conveyor up to the first floor while arisings from the demolition above were being lowered, also to the first floor for disposal.

During the hand demolition work it tested a new method of measuring HAV exposure – HAVS Watches. This ensured correct data was used in understanding controlled work methods and put time limits in place to protect the operatives. ■

Once the tower reached street level, the remaining 20 m (66 ft) of the tower belowground was demolished via a mobile crane fitted with a concrete pulveriser.

Achieving minimal disruption to the local community and upholding rapport with project stakeholders was critical to the success of the project. ■



RYE DEMOLITION

Country United Kingdom
Project Boleyn Ground – West Ham United football stadium **Client** Barratt London

Rye Demolition was awarded the contract to demolish the iconic West Ham United football stadium (the Boleyn) in the borough of Newham in East London at the value of £2 million (US\$2.6 million). The stadium was in a built up heavily residential area surrounded by tower blocks, private housing, arterial roads, shops, a school and a church. The furthest distance any part of the stadium

is from adjacent properties is around 30 m (98 ft) and the closest is 500 mm (less than 2 ft). Although typical in stadium construction design the Boleyn was very complex with large spanning cantilevers supporting each other.

The works had to be executed safely and efficiently and with care for the surrounding areas with minimal disruption, with humility for fans and for those who use the ground for memorial purposes. The company deliberately stayed away from advertising or publicising the stadium's demise for that reason as it believed this would have a detrimental impact on the work site, those affected by the works and the football club's fan base.

Safe dismantling of the stadium in an efficient manner and with minimal impact on the environment could not have been achieved without a cohesive management team from Rye and UKD and workforce. Rye believes that when you have a site team that has achievable goals, they want to work safely and enjoy the work they undertake, the end product is the one it proudly achieved.

Demolition of the stadium took place within the programmed time, within budget working and with zero accidents or lost time injuries during 63,750 man hours. ■





Your Attachment Supplier



What makes Rotar unique

At Rotar we believe that people and machines can operate more efficiently. From this philosophy, we develop state-of-the-art demolition- and recycling attachments for hydraulic excavators and wheelloaders. Rotar is a manufacturer, which means that we are responsible for the development and production of our products ourselves. That is the only way to guarantee the well-known efficiency, quality and productivity of Rotar attachments.

Our employees treat your Rotar attachments as if it were their own. Our craftsmen always aim to develop the best products. That is why we are in constant communication with our customers and dealers, and we often develop products based on their experiences, suggestions and ideas. Once your attachment leaves the Rotar Factory, it bears our name. A name that represents a product with unique performance, produced by a unique team. Uniquely for you.

Discover our products
at www.rotar.com



GET THE RED CRUSH!

Meet this year's judges

These are the people with the job of deciding the winners.



HENRIK BONNESEN
COWI, Denmark

Henrik is a certified and experienced auditor as well as site inspector and has been EHS manager on several projects concerning planning, design and supervision of projects regarding major construction sites, industry and buildings. He has been heavily involved in developing of audit system and training of staff for the Danish Demolition Association. ■ This year, Henrik's categories were *Civils, Collaboration, Contract under \$1m and Recycling/Environmental*.



DAN COSTELLO
Costello Dismantling Co, USA

Dan is president and owner of Costello Dismantling, based in West Wareham, Massachusetts, which he founded in 1985. He is a past board of directors member and committee chairman of both the National Demolition Association and the Construction and Demolition Recycling Association. ■ Dan's categories were *Contract under \$1m, Explosive, Innovation Plant/Equipment and Urban*.



CLINTON DICK
Liberty Industrial, Australia

Founding director of Australia's leading industrial deconstruction company, Liberty Industrial, Clinton is a highly sought after demolition and industrial closure expert. He has extensive experience with large scale, technically challenging demolitions within the mining, oil and gas and other heavy industrial sectors and has led the delivery of some of the industry's most demanding demolition projects ever undertaken including the Boodarie HBI and HIsmelt closure projects. ■ Clinton's categories were *Contract \$1m and over, Explosive, Innovation Tools/Attachments and Safety/Training*.



PATRICK FRYE
Cardem, France

Patrick has been involved in the demolition industry since 1986 and is currently in charge of the major projects carried out by his company, developing technical solutions to challenging demolition projects as well as managing day-to-day operations on site. The team he has responsibility for controls the entire demolition process, from initial demolition design studies through to blast and vibration control on site. ■ Patrick's categories were *Civils, Collaboration, Industrial and Recycling/Environmental*.



JIM GRAHAM,
Winter Environmental, USA

Jim, who is a new member of the judging panel for 2017, has 40 years of experience in the environmental remediation/hazardous waste clean up and demolition industry. He has managed more than 2,000 projects in the USA and Caribbean for private, public and corporate clients, and has extensive experience of integrated site clean-up programmes. ■ Jim's categories were *Collaboration, Contract under \$1m, Innovation Plant/Equipment and Recycling/Environmental*.



WILLIAM MOORE
ERM Corporation, USA

Bill graduated from Indiana State University with a degree in Environmental Safety and Safety Management. After graduating, he worked for several insurance companies as a construction safety specialist. Bill was with Brandenburg Industrial Service Company for 25 years in a variety of job positions including safety director, risk manager and marketing director. He was also the president of the National Demolition Association from 2003 to 2005. He retired from Brandenburg in 2013 and now works

on a consultancy basis with international remediation specialist ERM. ■ Bill's categories were *Civils, Contract \$1m and over, Industrial and Innovation Tools/Attachments*.



WILLIAM SINCLAIR
Safedem, UK

William is a fourth-generation demolition man who has plied his trade both in the UK and in Australia since earning a Master's Degree in Management and Economics at St Andrews University. William's company, Safedem, is renowned for its expertise in demolition by a variety of means, and is a leading exponent of complex façade retention methods. He and his company are also recognised as global leaders in the use of explosive demolition methods. Under his direction, Safedem has demolished more than 50 high rise tower blocks and industrial structures by the controlled use of explosives. ■ William's categories were *Contract \$1m and over, Innovation Tools/Attachments, Safety/Training and Urban*.



JOHN WOODWARD
C&D Consultancy, UK

John acts as a consultant to the demolition industry through his company C&D Consultancy, which he established following a career spent in the industry, latterly with Loxley Dismantling, a National Federation of Demolition Contractors company. He is past president of the UK's Institute of Demolition Engineers and speaks frequently at industry-related conferences and events. ■ John's categories were *Explosive, Industrial, Innovation Plant/Equipment, Safety/Training and Urban*.

Demolition & Recycling International wishes to thank all the judges for their time and effort in analysing the entries for the 2017 Awards.



Liberty Industrial is a leading provider of industrial deconstruction contracting and consulting services.

Liberty Industrial provide end to end solutions for large and complex heavy industrial deconstruction projects, offering a full spectrum of integrated capabilities including demolition and closure consulting, decommissioning and hazardous materials removal, dismantling and demolition contracting, asset and resource recovery, environmental remediation and civil contracting.

We challenge the status quo and leverage technology to deliver innovative and resourceful solutions that create value for our clients, project partners and stakeholders.

Discover demolition from the inside

The World Demolition Summit on November 2, which precedes the awards, will bring together an international array of industry experience and expertise.

MORNING

Conference Chair

HOWARD BUTTON

CEO, National Federation of Demolition Contractors



Howard Button is a well known, influential and respected figure in the global demolition industry today.

A second-generation demolition man with some 30 years on-site experience under his belt, he has dedicated his entire working life to promoting a greater public awareness of the demolition sector, and to improving the working conditions and safety of everyone associated with his beloved business sector.

Button's dedication has earned him a well-deserved position among the industry's elite and he has held senior roles with all of the major demolition trade organisations including:

- President of the National Federation of Demolition Contractors
- President of the Institute of Demolition Engineers
- President of the European Demolition Association.

Howard is chief executive officer of the National Federation of Demolition Contractors, and has overseen the Federation's move from its former premises in Staines to a new headquarters in Hemel Hempstead with purpose-built training facilities that are operated by the National Demolition Training Group of which he is also chief executive.

Howard is also the co-author of a number of important and groundbreaking industry guidances that are now in widespread use across the world. These include: Guidance on the Safe Use of High Reach, Demolition Specification Excavators; and the Guidance on the Safe Use of Track-Mounted Mobile Crushers in a Demolition Environment.

In 2011, Howard Button received a Lifetime Achievement award at the World Demolition Awards in Amsterdam.

09:10 – 09:40

Opening presentation

SPEAKER TO BE ANNOUNCED

09:40 – 10:05

Demolishing an iconic structure

DUNCAN RUDALL

Director, Rye Demolition



Duncan is the external demolition engineer and safety advisor for UK-based Rye Demolition and a past president of the Institute of Demolition Engineers. At the WDS he will be speaking about demolishing the former West Ham United football stadium in London.

10:05 – 10:30

Crisis management and learning from major incidents

JAMES HOWARD

General Manager, Coleman & Co



During his career at Coleman Group, James has managed demolition projects, overseen company operations at permitted waste facilities and most importantly developed the capability of a HSQE department that now comprises four safety and environmental managers as well as championing the company's people culture.

10:30 – 11:20

Morning coffee/table-top area

11:20 – 11:50

Using demolition simulation technology to save lives

AHMED AMIR KHALIL

Vice President, International Development, Applied Science International



Dr Khalil has 11 years of experience in managing demolition analysis and design projects with Applied Science International, based in North Carolina, USA. He has 19 years of structural engineering experience in the areas of extreme loading analysis and structural vulnerability assessment based on nonlinear dynamic numerical methods. He published tens of journal and conference papers and provided many invited lectures in the area of demolition analysis, progressive collapse analysis and extreme loading analysis at the universities and engineering societies in USA, Australia, Canada, Europe, the Middle East and Brazil.

11:50 – 12:15

Safety on the ground: A new technique for soil remediation

EIRIK WRAAL

Executive vice president, AF Gruppen



Eirik is responsible for the environment business area and is head of AF Decom. He has been with the company since 2004 and is a chartered engineer from the Norwegian University of Science and Technology.

12:15 – 12:40

Safety in the air: Operational challenges of using cranes in demolition

TEDDY HOLT

Director, Radius Crane Management



Teddy has been a director of tower crane specialist Radius Crane Management since 2016, having been with the company for the past seven years.

12:40 – 14:10

Lunch
Networking
Table-top area

AFTERNOON

Conference Chair

JOHN WOODWARD

Demolition Consultant,
C&D Consultancy



John currently acts as a consultant to the demolition industry through his company C&D Consultancy, which he established following a career spent in the industry, latterly with Loxley Dismantling, an NFDC demolition company. He is past president of the UK's Institute of Demolition Engineers and speaks frequently at industry-related conferences and events.

14:10 – 14:40

Demolishing a five-storey mill

SCOTT KNIGHTLY

Owner, Envirovantage



Envirovantage owner/president Scott Knightly is a pioneer in the demolition and remediation industry. While attending the University of New Hampshire's Whittemore School of Business & Economics 32 years ago, working out of his dorm room, he started Lead Source, a company focused on remediation and demolition in New Hampshire.

Today, his company has expanded with two new offices in Maine and Massachusetts with expanded capability of removing additional contaminants found in buildings including asbestos, mould, PCBs, and mercury as well as performing demolition work throughout New England, nationally and internationally.

Scott is actively involved in the demolition industry and has assumed many prominent roles. He presently sits on the executive board of directors of the National Demolition Association as well as serving as its president. He is also a member of the State of New Hampshire Asbestos Advisory Board, and a past president of the Associated Builders and Contractors NH/VT chapter along with serving as their national chairman and Legislative Liaison to Washington DC.

14:40 – 15:10

Taking down the Nipigon Bridge

RYAN PRIESTLY,

President, Priestly
Demolition



Ryan is the president of Priestly Demolition, based in Ontario, Canada.

As president of Priestly, Ryan manages the field operations and equipment. He has shown a single-minded dedication to the family business since he was very young, always wanting to be out on a machine and working with his dad. That commitment and passion have helped him to build his knowledge and expertise, and they are the driving force behind Priestly's innovations in demolition techniques. Under Ryan's leadership, Priestly has grown in its position as one of the largest and most respected demolition companies in Canada.

15:10 – 15:40

Bringing demolition, logistics and waste closer together

JACQUELINE O'DONOVAN

Managing Director,
O'Donovan Waste
Disposal



Managing director of O'Donovan Waste Disposal, Jacqueline O'Donovan is one of the waste, logistics, and construction sectors' most passionate pioneers of employee training, industry best practice and safety. Under her steer, the family-run waste management business has gone from strength to strength and now has 160 employees and a turnover of over £19 million (US\$23.7 million). Jacqueline herself is recognised as a leading force in the industry, including being named Outstanding Woman in Construction 2016 and the Vitalise Business Woman of the Year 2016 as well as the Institute of Directors' Family Business Director of the Year.

15:40 – 16:10

Tea/table-top area

16:10 – 16:35

The global demolition equipment market of the future

RUPERT CRAVEN

UK and Ireland Sales
Director, Ritchie Bros
Auctioneers



Rupert Craven is UK and Ireland sales director for Ritchie Bros Auctioneers (UK).

Previously with JCB, he has more than 20 years of experience of the construction industry. For the past seven years, Rupert has grown the UK business for Ritchie Bros through both UK auctions and export sales.

Demolition and associated equipment has always been a focus for the company, which has sold a large range of equipment to and on behalf of the world demolition market.

16:35 – 17:05

Demolition and debris management in Syria

MARTIN BJERREGAARD

Director, Disaster
Waste Recovery



Martin has extensive post-conflict waste and debris management experience dating back to 1995 with ongoing projects in Nigeria, Syria and Jordan and past disaster and conflict projects throughout the world. Martin is the founding director of Disaster Waste Recovery, a United Kingdom non-governmental organisation focused on providing waste management support to communities affected by disasters and conflict. He is also a member of the Chartered Institution of Wastes Management and the Institute of Demolition Engineers.

All timings approximate. Programme subject to change.

Thank you to our sponsors

More than 20 companies have now signed up for sponsorships at this year's World Demolition Summit, which takes place in London, United Kingdom on Thursday November 2. The event, which combines a one-day conference with an evening awards dinner, is now in its ninth year and is being held in the British capital for the first time.

A big thank you to the following companies who are supporting the event:

HEADLINE SPONSOR

Volvo Construction Equipment

SILVER SPONSORS

Lehnhoff Hartstahl

Metso

Oilquick

Radius Crane

Sandvik Mining and Construction

BRONZE SPONSORS

Arden Equipment

Dehaco

Dynaset

Guangxi Liugong Machinery

Kobelco Construction Machinery

Kocurek Excavators

Komatsu UK

MB

Mantovanibenne

Rotar International

Stanley Infrastructure

VTN Europe

D&R100 SPONSORS

Erith Contractors

Keltbray

McGee Group

Priestly Demolition

■ Sponsorship opportunities are still available. For more details please contact Lynn Collett, e-mail lynn.collett@khl.com

Reaching new heights

- High reach attachment up to 24.7 metres
- High dependability due to proven boom design
- High performance – dedicated configuration of separate boom
- High flexibility due to modular design
- Low down time due to easy boom disconnect system
- Low maintenance of attachments due to side mounted piping
- Low transport height of attachments

SK550DLC
also available



Featuring Kobelco's innovative NEXT system, the new SK400DLC demolition machine ensures fast and smooth assembly/disassembly in order to increase up time and ensure operator safety. Featuring a common-use type main boom, the machine can be fitted with the high reach demolition attachment, which is available with a 6.1m arm for working in confined areas or a 8.7m arm for tall structures, as well as the separate attachment for superb performance during foundation demolition.





Mantovanibenne®



BIG TOYS FOR BIG BOYS



www.mantovanibenne.com

MANTOVANIBENNE S.r.l.

Via Augusto Righi, 6

MIRANDOLA (MO) - ITALY

Tel. 0535 615811 - Fax 0535 615830

sales@mantovanibenne.com

Following in famous footsteps

The successful entrants in this year's awards will be adding their names to some big winners from previous years. Here's how the eight previous years have panned out:

2016

Civils Priestly Demolition
Collaboration Kiewit/Manson; California Department of Transportation; Cowi; ESA; Ventura Consulting
Contract over \$1m Keltbray
Contract under \$1m Liberty Industrial
Explosive Fábio Bruno Construcões
Industrial McMahon Services Australia
Innovation Plant and Equipment Liebherr
Innovation Tools and Attachments Remoquip
Recycling and Environmental Hughes and Salvidge
Safety and Training AR Demolition
Urban Despe
World Demolition Award Priestly Demolition

2015

Civils DDM Demontage
Collaboration Keltbray; Capital and Counties; Abnormal Load Engineering; Network Rail; Earl's Court and Olympia; Royal Borough of Kensington and Chelsea; London Borough of Hammersmith and Fulham **joint winner with** Safedem; C&D Consultancy; Despe; Glasgow Housing Association
Contract under £1m Erith Contractors
Explosive Liberty Industrial
Industrial Despe
Innovation Plant and Equipment JCB/Coleman & Company and Protranz Earthmoving (joint winners)
Innovation Tools and Attachments Mantovanibenne
Recycling and Environmental AR Demolition
Safety and Training Coleman & Company
Urban Erith Contractors
World Demolition Award Coleman & Company

2014

Civils Keltbray
Collaboration J Bryan (Victoria); Mammoet; Essar Energy
Contract over \$1.5 million Keltbray
Contract under \$1.5 million Australian Decommissioning
Industrial Liberty Industrial
Innovation Series Product Kiesel; Kocurek Excavators
Lifetime Achievement Bill Moore, ERM
Recycling Brandenburg Industrial Service Company
Safety and Training AR Demolition
Urban/Confined Space Ward Demolition
World Demolition Award Liberty Industrial

2013

Civils Micor
Collaboration Costello Dismantling
Contract Hunter Demolition
Contractor Nikau Contractors
Explosive Fábio Bruno Construcões
Industrial Coleman & Company
Innovation Kocurek Excavators; Volvo CE
Recycling and Environmental J Jensen
Safety and Training Erith Contractors
Urban Keltbray

2012

Civils NGA Newmarket
Collaboration Erith Contractors with Magnox
Contract Despe with Guy Doyere
Contractor Erith Contractors and Cantillon (joint winners)
Environmental & Recycling ERM
Explosive Precision Demolition and Safedem (joint winners)
Industrial Erith Contractors
Innovation Kiesel with Kocurek Excavators and Oilquick
Judges' Discretionary Award AF Decom
Lifetime Achievement David Sinclair
Safety and Training Cantillon
Urban Keltbray

2011

Civils Coleman & Company
Collaboration Project Trident (Pfizer; Erith Group; EDS; Gardiner & Theobald)
Contract Coleman & Company
Contractor Cantillon, Safedem
Environmental/Recycling Costello Dismantling
Explosive Fábio Bruno Construcões
Industrial Lee Group and Richard Liesegang
Innovation Kocurek Excavators
Judges' Discretionary Award Ferrari
Safety Cantillon
Training Erith Group
Urban/Confined Space Erith Group

2010

Civils Armac Demolition
Confined Space/Urban Despe; Erith Demolition
Company of the Year Erith Demolition
Contract Despe
Customer Service & Support Liebherr; Powerscreen
Demolition Personality Howard Button
Environmental/Recycling Cherry Demolition
Explosive Advance Explosives Demolition
Industrial Erith Demolition
Innovation Custom Product Liebherr
Innovation Series Product Powerscreen
Safety Despe
Training Maylarch Environmental

2009

Company of the Year Safedem
Contract Keltbray
Customer Service & Support Liebherr
Demolition Personality Dr Dieter Korth
Environmental/Recycling Costello Demolition
Explosive Safedem
Innovation Custom Product Rusch Special Products
Innovation Series Product Volvo
Safety DH Griffin
Training Dorton Group
Urban Keltbray

PURPOSE BUILT FOR DEMOLITION



SCAN TO
FIND OUT
MORE



http://opn.to/a/DR1_Dem_A

Achieve a new level of success with the wide offer from Volvo Construction Equipment. Throughout the years, we've listened to your requirements and designed purpose built products and solutions to take on all your demolition duties.

We are the headline sponsor of
WORLD CONFERENCE AND AWARDS
DEMOLITION
SUMMIT 2017
LONDON, UK THURSDAY 2 NOVEMBER

Volvo Construction Equipment



The Magnum Leisure Centre

When North Ayrshire Council in Scotland decided to demolish the iconic Magnum Leisure Centre, it turned to Central Demolition.

ALL PHOTOS COURTESY OF CENTRAL DEMOLITION



The end of an era

Central Demolition is in the process of taking down one of Scotland's most nostalgic buildings – the Magnum Centre in Ayrshire.

Built more than 40 years ago, its twin attractions of ice skating and pop concerts endeared it to generations of local youngsters and it was described as the country's first venue of its kind.

But at the start of 2017 North Ayrshire Council invited tenders for its demolition, and at the beginning of April Central was selected to carry out the works. The company took possession of the site in June and the project is expected to run until Christmas.

"The Magnum Centre is our highest profile demolition job at the moment," said Scott Cochran, the company's senior surveyor who is in charge of the job.

"But we are doing around 15 jobs at any one time. We took down the Olympia Centre in Dundee, two years ago. It was mostly a swimming pool, rather than an ice rink, but it was a good experience. We have demolished a lot of schools, a couple of farms, the Scottish Fire Brigade headquarters – everything from 16-storey tower blocks to domestic property."

At the Magnum Centre, Central is drawing on a range of services – and experience gathered during almost a quarter of a century since its formation in 1993 – throughout the



The scene in September 2017

life of the project. The company is a licensed asbestos remover, which was essential as one area of the centre was affected by asbestos and Central was able to keep that part of the job in-house.

It has also been able to recycle materials from demolition projects on site, with mobile recycling facilities that back up the major recycling operation at its Bonnybridge base near Falkirk.

In addition, it is a member of the National Federation of Demolition Contractors and its website says: "Despite admittedly challenging market conditions over the years we have continued to grow."

Although there has been local and national interest in the project and nostalgia for the site, Scott admits that the company has been able to proceed with the demolition away from the public gaze.

"We are pretty much isolated out on the site. There's plenty of room to view from a distance. More people will just drive past and see it happening.

"The only real disruption was the site is next to a link bridge that goes over a live road. That had to be closed for a week or so."

At the three-quarter stage of the project's life, the project is on schedule, with the major part of the remaining work centring on taking up the concrete slabs and foundations. The resulting mobile crushing will be handled by equipment from Central's own plant.

By 2018, the Magnum Centre – which had hosted acts ranging from The Jam to The Smiths in its time, as well as possibly launching a few budding skating careers and some all too brief ones – will be no more.

A new leisure centre in Irvine town centre – minus the ice rink – will replace it. ■

The project is underway



An aerial view of the site

■ In the May-June 2017 issue of *D&Ri*, the article on demolition regulations included a photo of a Central Demolition project but inadvertently omitted the company's name from the caption. We apologise to Central for the oversight.

Corecut chief praise for multi-tasking workforce



Controlled demolition of the existing BP Pipeline protective slab by Hydraulic Bursting and Robolition

The first mobile Rubble Master crusher in Gorontalo, Indonesia, the new RM 70G0! 2.0 has replaced several machines at once. Instead of using the jaw crusher combined with a cone crusher, this mobile crusher unit processes in a single pass the extremely hard river basalt that is needed for road building. As a consequence, the mobile crusher makes a significant contribution to the country's building infrastructure.



A United Kingdom-based diamond drilling specialist said it drew on almost its entire range of services in a six-year programme to deliver the Queensferry Crossing over Scotland's Firth of Forth.

Corecut commenced work on the £1.35 billion (US\$1.75 billion) project in December 2011, committing more than 2,000 man days with no lost time incidents.

The new structure – the world's longest three-tower cable-stayed bridge – was officially opened yesterday, with traffic services resuming later this week.

In the past six years, Corecut diamond drilled test cores into grout piles for integrity testing at the start of the construction phase and executed the hydrodemolition of numerous structures to allow modifications

to existing approach structures. It further undertook the drilling and installation of thousands of resin anchors and dowel bars, underwater wiresaw cutting in conjunction with divers to divorce redundant temporary tower crane piles from the seabed, and emergency controlled demolition of failed sections of concrete using Robolition equipment.

The company put the value of its work on the crossing at more than £750,000 (\$973,000).

"The fast track construction of the Queensferry Crossing represented a significant challenge for our team," said managing director Finlay Crocker.

"It demanded an immense effort and the deployment of our full spectrum of capabilities across an extensive period."

Finlay gives boost to productivity levels at Prichard

A United Kingdom-based demolition and plant hire firm has reported a boom in production after the arrival of new plant from Finlay Plant SW, part of the Finlay Group of companies.

Prichard's, based in south Wales, has taken delivery of a Terex Finlay 883+ Spaleck and a Terex Finlay 893 in the last six months.

Since then the business has seen an increase in its soil and stone production at its Project Yellow site in Pontyclun, one of the company's four recycling yards.

"The operators are very happy with both units," said director Tom Prichard.

"I'm confident that the plant will continue

to increase our productivity and ability to supply our customers with the products they exactly require."

The Terex Finlay 883+ Spaleck is producing a top grade 15 mm soil whilst the Terex Finlay 893 is screening all the construction and demolition waste brought to the site.

Darren Simpson, Project Yellow supervisor at Prichard's, added: "The plant meets our needs and both machines are performing well for us.

"We've always found that the machines we've had from Finlay Plant SW have been very good and reliable."



Director Tom Prichard said his company's operators were very happy with both Finlay units

Kemroc cuts through

The Sedelhöfe job site is located in a new retail and housing development project opposite the main railway station in the German city of Ulm. Before construction could start the old infrastructure had to be cleared, which included demolishing a four-storey underground car park. Demolition specialist Prünstner used a Kemroc DMW 220 cutter wheel to remove the thick, occasionally heavily reinforced, concrete structure in record time and without any noise.

The car park was made up of extremely large concrete segments and both the excavator operator and managing director, Karl Prünstner Sr were originally sceptical about using the cutter wheel.

However, the company rented it for a trial period and had the attachment delivered to site. The interior parking decks had already been removed using an excavator with conventional breaker and shear attachments, leaving an empty shell consisting of 18 m (59 ft) high, heavily reinforced, thick walls, an overlapping bored pile wall located behind the concrete walls and concrete base.

In addition to the concrete structures, the contract included the removal of 180,000 cu m (6.4 million cu ft) of soil and overburden. This had to be completed within a very tight schedule with all the constraints associated with projects in city centre environments. Noise was a particular problem and the project had to be completed with the minimum possible.



The Sedelhöfe site in Ulm, Germany, contained numerous old buildings that had to be demolished



Tyrolit said that controlled deconstruction was the only option available for the 250 m high chimney

Teamwork pays off in Siberia

Austrian concrete cutting specialist Tyrolit has worked with Russian customer Aktivmontage on a project to reduce a 250 m (820 ft) hydroelectric power station chimney in Siberia to a height of 150 m (492 ft).

As the chimney was no longer up to standard and was also near a residential area, demolition using explosives was not possible and controlled deconstruction was the only option.

The challenge involved in the deconstruction consisted of gaining access at the dizzying height, working in tight conditions, and once in place, cutting through reinforced concrete ranging in thickness from 20 to 50 cm (8 to 20 in).

The condition of the chimney meant that it was not possible to use wall saws and it was necessary to ensure that workers neither fell nor suffered exposure at minus 25 °C.

For on-site support, Aktivmontage called on Tyrolit, as the two companies have already completed many successful projects. Tyrolit recommended the SK-SD hydraulic wire saw system and the diamond wire DWM***-C with a diameter of 10.2 mm (4 in) and 46 beads/m.

The Aktivmontage team spent more than two months preparing for construction of the steel scaffold inside the chimney.



DEALERS WANTED

ARDEN JET*, the first water spraying system that is factory fitted on a demolition shear

WORLD EXCLUSIVE

Contact us for a free trial

- + BETTER DUST SUPPRESSION CONTROL**
- + ENVIRONMENTAL & HEALTH FRIENDLY**
- + HIGHER PRODUCTIVITY**



More information: +33 (0)3 24 33 64 30 or arden-equipment@arden-equipment.com

Hyundai excavator in major Luxembourg project

Luxembourg-based Démolition et terrassement XL is using the largest capacity Hyundai excavator, the R1200-9, which has an operating weight of 120 t, on a major demolition site in the country's capital.

The excavator – the first Hyundai machine of this size to be sold in Europe – is being used to break reinforced concrete foundations with a 7 t hydraulic breaker, and the first task to complete is a 35 m (114 ft) deep, six-storey underground parking area. It was supplied by local dealer HMB.

Powered by a 567 kW turbocharged diesel engine (displacement 23 l), it was designed for heavy earthmoving, stationary digging and long-reach demolition duties. The standard equipment includes double grouser shoes measuring 710, 800 and 900 mm (28, 31 and 35 in) wide.

Hyundai said the state-of-the-art CAPO (Computer Aided Power Optimisation) system ensures optimum performance from the engine and the two hydraulic pumps.

As with other Hyundai hydraulic excavators, the operator has the option of selecting the power mode appropriate to the job, materials or attachment. The three power modes ensure maximum engine performance,

high speed and optimum fuel efficiency. Power mode ensures maximum machine speed and power for maximum productivity. Standard mode provides reduced engine speed for

optimum performance and improved fuel economy. Economy mode adapts flow and engine power to specific load conditions for maximum fuel efficiency and controllability. ■



The R1200-9 excavator on a major demolition site in Luxembourg

DUST & ODOR CONTROL

DIESEL GAS & ELECTRIC MODELS AVAILABLE

NEW EFI MODEL AVAILABLE

- > 26.5 HP Fuel Injected Engine
- > Wireless Start/Stop Function (No Choke Required)
- > Additional Fuel Savings
- > High Speed Oscillation Up To 270°



BUFFALO TURBINE

ph 716.592.2700
www.buffaloturbine.com
Dealer Inquiries Welcome



REGISTER FOR THE FREE DIGITAL ISSUE



Delivered instantly anywhere in the world

■ **Interactive** ■ **Searchable** ■ **Archiveable**

For more details and to register for your own, **FREE**, digital copies go to:

www.khl.com/subscriptions/dri



FIRST FOR GLOBAL CONSTRUCTION INFORMATION

www.khl.com



FREE MAGAZINE SUBSCRIPTION

OR REGISTER ONLINE AT: www.khl.com/subs/DRI

1 CHOOSE YOUR MAGAZINE/S

- Demolition & Recycling International**
- Access International
- Access, Lift & Handlers
- American Cranes & Transport
- Construction Europe
- Construction Latin America
- International Construction
- International Construction Turkey (Turkish)
- International Cranes and Specialized Transport
- International Rental News
- Cranes & Project Transport Turkey (Turkish)

2 CHOOSE YOUR E-NEWSLETTER/S

- Demolition & Recycling International**
- Access International
- Access, Lift & Handlers
- Construction Latin America
- International Construction China (Chinese)
- International Rental News
- World Construction Week
- World Crane Week

3 ORGANISATION TYPE

- Specialist Demolition Contractor
- General Contractor
- Equipment Rental
- Consultant/Planner
- Recycling Waste Specialist
- Government (Demolition/Public Procurement)
- Offshore Company
- Property/Development/Owner
- Public/Private Utilities
- Distributor / Agent / Equipment Sales
- Concrete Cutting/Sawing
- Manufacturer
- Other (Please specify) : _____

4 YOUR DETAILS

- Name: _____
- Job title: _____
- Company: _____
- Address: _____
- Town: _____
- Country: _____
- County/State: _____
- Post code/Zip code: _____
- e-mail: _____

5 Do you purchase or influence the purchase of construction equipment or services?

YES NO

6 What is the annual turnover of your company (US\$ millions):

- Under \$1 million \$1-3million
- \$3-5million \$5-20million
- \$20-100million Over \$100 million

7 FORMAT OF MAGAZINE

PRINT DIGITAL PRINT & DIGITAL

8 SIGN AND DATE:

Signature: _____ Date: _____ 10/17

POST TO: KHL Group, Circulation, Southfields,
Southview Road, Wadhurst, East Sussex, TN5 6TP, UK
e-MAIL: circulation@khl.com



Size and power crucial for Case

Case Construction Equipment has launched what it calls the largest and most powerful machine in its excavator range.

The CX750D features the Case Intelligent Hydraulic System

The company says the CX750D has been built to achieve faster cycle times and maximise productivity.

An electronically controlled hydraulic pump and larger control and solenoid valves boost breakout forces, increase lifting strength and improve responsiveness, while the Case Intelligent Hydraulic System and its four integrated control systems make the best use of the machine's hydraulic power and momentum.

Operating at 512 hp, the CX750D is available in standard configuration with a 335



Case says the CX750D has been built for faster cycle times

kN bucket digging force (with Power Boost), and mass excavation configuration with a 366 kN bucket digging force (with Power Boost). It features a shorter boom and arm that allows for greater breakout forces and is capable of handling larger buckets for added capacity.

Case added that the machine achieves Tier 4 Final compliance through an innovative combination of selective catalytic reduction (SCR) and diesel oxidation catalyst (DOC) technologies, which helps maximise uptime and performance – all with minimal maintenance.

McCloskey International's compact crushers made their worldwide debut at the Steinexpo event in Germany at the end of August. The company took a 1,400 sq m (15,000 sq ft) stand at the exhibition to showcase its expanding range of equipment, which includes 134 impactors, the TS4080 stacker and the J45R recirculating jaw crusher.

"Events like Steinexpo offer an excellent platform for our company to show what our products do," said Paschal McCloskey, president and CEO of McCloskey International.

"Equally as important is standing with customers during demonstrations so we gain the feedback that is key to innovation, ongoing improvements and delivering new product lines."

Doppstadt goes mobile

At the start of October, environmental technology company Doppstadt will be launching its mobile shredder solutions – the AK 560 and AK 635 EcoPower shredders, with the latest technical updates and a new rear conveyor option. Doppstadt's AK 635 comes with an 8 m (26 ft) rear conveyor as standard, and the AK 560 can be fitted with a 6 m (20 ft) rear conveyor.

According to Doppstadt, they achieve new drop heights of over 4 or 5 m (13 or 16 ft), and optimise work processes.

Transfer of the crushed material into the downstream machines or containers is simplified, and pouring cones do not need to be emptied as often, as they can hold up to 25% more. The discharge conveyors can be extended and retracted hydraulically. When configured for transportation, the vehicle length barely changes, compared to the shorter conveyors.

The AK 560 EcoPower is available with

two or three axles, and the AK 635 EcoPower is available as a tracked vehicle or trailer. The trailers and trailer chassis are approved for road use with a maximum speed of 80 km/h (50 mph), and the tracked vehicle can travel at two different speeds. All the machines are powered by MTU/Mercedes Benz engines, which meet the legally required Euromot Stage IV final emission requirements.



The AK560 is one of two new EcoPower shredders from Doppstadt to launch at the start of October

The Mobicat MC 120 Z Pro – output up to 650 t/hr



Kleemann raises its Pro-file

Kleemann presented the new mobile Mobicat MC 120 Z Pro jaw crusher at the recent Steinexpo exhibition. The second member of the Proline complements the Mobicone MCO 11 Pro mobile jaw crusher, and is also characterised by robustness and high power.

The company says the new Mobicat achieves an output of up to 650 t/hr with a maximum feed size of 1100 x 700 mm (43 x 27 in). To guarantee the best possible material flow, the Continuous Feed System (CFS) adapts the conveying speed to the fill level of the crusher, which is active in both plants with a line coupling with the Mobicone so both crushers are optimally used. The Pro crushing plants are equipped with an economical but powerful diesel-electric drive and the crusher and conveyor belts are operated electrically. An external power supply is available as an option. The generator can also supply downstream plants such as a screening plant or stockpile conveyor with power.

Electric drive is a first for Cat

A new electric drive loader from Caterpillar is said to deliver 25% greater overall efficiency and up to 10% more productivity in load-and-carry applications than Cat's 988K loader.

The new Cat 988K XE is the first wheeled loader offered by Caterpillar to have a high-efficiency electric drive system. The company said the new large wheeled loader joined the 988K and the recently-launched 986K to provide customers with the most cost-effective loader for each application.

It said the 988K XE was recommended for demanding job sites where fuel efficiency made a difference in the machine's total cost of operation.

Cat claimed 15 years of electric drive experience, and more than four years of

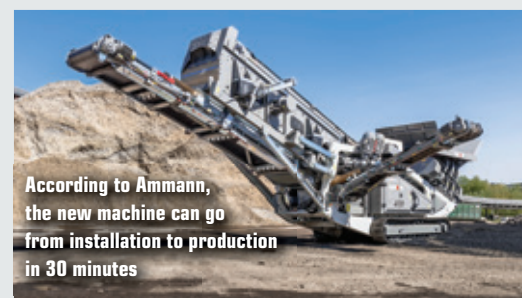
stringent testing in a range of applications. The new loader features switched reluctance (SR) technology. The C18 Acert engine, mechanical dropbox, driveline and axles from the 988K are retained for the electric drive machine.

The 988K XE's diesel engine provides power to an electric generator, which in turn provides power to the electric motor to drive the machine forward and in reverse.

Hydraulic pumps raise and lower the linkage and actuate the bucket, and these hydraulic pumps are driven off of engine power.

A range of bucket capacities are offered, from 4.7 to 13 cu m (166 to 459 cu ft). Rated standard and high lift payload for the loader reaches 11.3 t when working with face material, and 14.5 t with loose material. ■

The 988K XE is Cat's first wheeled loader with a high-efficiency electric drive system



According to Ammann, the new machine can go from installation to production in 30 minutes

Three in one from Ammann

Ammann has released the RSS 120-M shredder, iron separator and screener, a mobile machine that prepares recycled asphalt for use in an asphalt plant.

The machine is a solution for recycling asphalt ranging in size from millings to larger pieces or slabs. Protective processing also maintains desired grain sizes.

According to Ammann, it can go from installation to production in as quickly as 30 minutes. The machine is track-mounted for maximum mobility on all types of terrain.

A single operator can run the machine, which includes a shredder that uses two low-speed, electrically driven shredder-rotating shafts.

The RSS 120-M features milling cutters with interchangeable teeth that crush the material. This patented technology significantly reduces the power requirement, which leads to substantial fuel savings. The technology also enables crushing of hard and soft materials, such as clays, and can perform in all types of weather.



Hard work or smart work?

INTRODUCING
BROKK 500

Successful demolition projects are about brainpower. About finding new, efficient ways of doing the work in order to increase profits and outsmart the competition. The new Brokk 500 is pushing the boundaries even further. With Brokk SmartPower™ – the intelligent electrical system that ensures better performance and higher availability, a new, more powerful breaker and even better serviceability, our latest brainchild will give you a distinct, competitive edge.

Intelligent Demolition Power

BROKK®

Brokk AB Skellefteå, Sweden | www.brokk.com

As the International Media Partner of the European Demolition Association (EDA), *Demolition & Recycling International* brings you the latest association news each issue in a dedicated part of the magazine.

What is the main activity for European demolition?

The answer to this question is just one example of the kind of data that can be found in the *European Demolition Industry Report 2017*.

It says that for 30% of the interviewed companies the main activity is engineering – mainly running jobs as project manager for demolition, and 29% are general contractors, doing all types of demolition jobs regularly.

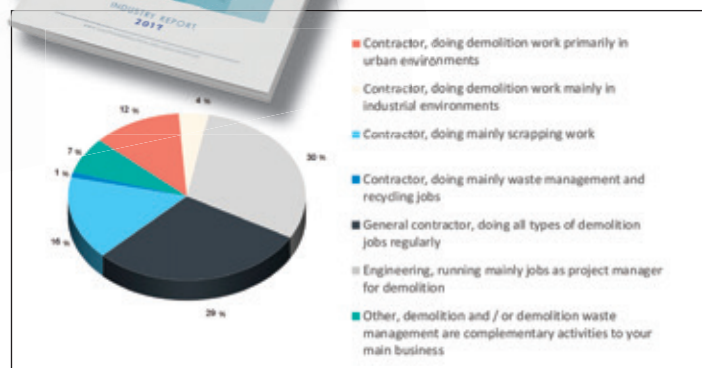
On the other hand, 16% are general contractors, doing mainly scrapping work. A further 12% are contractors doing demolition work primarily in urban environments,

The main activities of companies in European demolition as shown by the latest EDA Industry Report

while 7% are other companies that complement their main activity, and finally 1% are contractors mainly engaged in waste management and recycling.

The 2017 edition of the

The Industry Report covers demolition trends at European and national level



Industry Report was launched during the DDR Forum and Expo, held in Brussels, Belgium in June.

The document includes detailed information about trends in the demolition industry in 2015-16. It also contains forecasts and specific information about volume of business, evolution of demolition activities, investment in demolition machinery, equipment and consumables, evolution of the workforce and business projects.

All this information about the demolition sector is analysed at a European level and country by country.

The reports are in English and the national language of individual countries. The 2017 edition also includes for each country a comparative graph with the information collected in previous editions to show industry trends for each topic analysed since 2015.

The publication is available from <http://www.europeandemolition.org/industryreport>

EDA says hello to two new member companies

The European Demolition Association (EDA) has increased its presence with two new members joining in recent weeks.

Komatsu Europe International is the European headquarters of the Komatsu Group, which is based in Tokyo, Japan.

Its European head office in Vilvoorde, Belgium, employs people including technicians, sales, marketing and legal experts and administrative staff.

Komatsu products are known worldwide for their high technology, productivity, reliability, economical operation, ease of use and safety.

Also taking up membership is the Germany-based company Kiesel's Technology & Development Corporation (KTEG), which was formed in 2011.

The company has a clear mandate, which is to develop innovative, complete, more powerful and more efficient solutions.

It works closely with the Kiesel sales team to develop new products.

In the past few years, KTEG has developed numerous innovations including the Kiesel multicarrier which increases the load on a machine and reduces the total cost of ownership on applications including demolition.

About the EDA



The European Demolition Association (EDA) was founded in 1978 and is the European platform for national demolition associations, demolition contractors and suppliers. It organises annual events to bring together the demolition industry from all over Europe. The most important one is the Annual Convention, a meeting that includes technical presentations about key topics as well as optional leisure activities. The EDA represents thousands of companies through its national associations and direct memberships.

For more details, please visit: www.europeandemolition.org



The Kiesel multicarrier is an example of product development by the company's technology arm KTEG, which recently joined the EDA along with Komatsu

MESSIAH Corporation

EUROPEAN LEADER IN DEMOLITION MACHINERY RENTAL

Machines Available for World Wide Hire



28m CAT 345C UHD on Hire at FORDS DAGENHAM



CAT 385 UHD on Hire at FORDS for T.E. SCUDDERS



CAT 365C



256t Triple with a 15t Genesis Shear at 30m

Serving customers throughout the UK and worldwide, we have continually developed the business since its creation in 2003, to be a market leader. Whilst establishing long-lasting relationships with clients and suppliers and maintaining the values of a private owned company. Our philosophy is to ensure that our customers have their plant equipment ready when they want it and where they want it.

We pride ourselves on supplying a prompt, reliable and helpful 24h service and we are confident that the quality of our equipment and our service is second to none.

We can arrange transportation and shipping to any country worldwide at special rates to satisfy the needs of our overseas costumers.



On Hire to T.E. SCUDDERS FORDS DAGENHAM



Hitachi EX1200 Sold to Brown & Mason including 12t Shear



CAT 385C UHD + 10t Shear, on Hire to T.E. SCUDDERS



40m on hire to Caskie Demolition Scotland



On site Maintenance on Hire Fleet 24/7

Tel: +44 (0)1708 860109 Mob: +44 (0)7793 215997 (24 Hours)
www.1mcl.com

Gnat-UK

Nationwide Specialists for Robotic Hydrodemolition
Brokk and Husqvarna Robotic Demolition and
Diamond Drilling and Sawing Services
Call us for Contract, Hire, or Supply



above: GNAT UK's robotic demolition team utilising a specially adapted Mast Climber to deconstruct the reinforced concrete structure during a recent top-down demolition project

right: Wiresawing and removing live steel flume pipes in a major sewage system



Nationwide Hire Service

Delivering Intelligent Selective Demolition Solutions

t. +44 (0) 1748 826 046 e. office@gnatuk.com www.gnatuk.com



The best way to buy and sell demolition equipment & more

Donington
The heart of British motorsport

Previous auction results



2009 VOLVO EC700CL
€332.500,-
FEBRUARY 2016 – MOERDIJK, NETHERLANDS



2011 CATERPILLAR 345DL UHD
€285.000,-
JUNE 2016 – MOERDIJK, NETHERLANDS



2013 LIEBHERR R956LC
£450.000,-
APRIL 2015 – DONINGTON PARK, UK

Access online bidding, auction results & more

Create a free account: it's fast, free and gives you full access to our website features.

rbauction.co.uk

Liz Smith – lsmith@rbauction.com
01332 819711 – 07827 928411

rb RITCHE BROS.
Auctioneers®



Contract Scaffolding to
all areas of UK

London - 01474 365091
Bristol - 0117 953 7968
Hastings - 0800 599 9129

www.allscaff.co.uk
contracts@allscaff.co.uk



www.darda.de

Demolition with no limits



low noise



low vibration



low dust



eco friendly

Demolition tools made in Germany

CUTTING EDGE - TOE PLATES
GROUND ENGAGING TOOLS
REPLACEMENT PARTS
ABRASIVE RESISTANT PLATE



WWW.JOHNMOORE.CO.UK
SALES@JOHNMOORE.CO.UK
01785 282705

JOHN MOORE (TRACTOR PARTS) LTD, STEVENSON HOUSE, LADFORD COVERT, SEIGHFORD, STAFFORD, ST18 9QG

YEARS OF EXCELLENCE 1992 **25** 2017

Mutley
Plant Service Ltd



Specialists in excavator engineering, attachment sales and hire

Hydraulic:
Crushing, Shearing, Grabbing, Cutting, Breaking

Modifications:
Long Reach, High Reach, Cabin Raiser, Ram Guards, Cab Guards, plus more

We offer 2-70 tonne:
Selector grabs, clamshells, orange peel grabs, breakers, pulverisers, multi-processors plus much more



Demarec **KINSHOFER** **SINDECO** **VERACHTERT** **vt** **PROMOVE**

Phone : +44 (0)1304 840621
www.mutley.co.uk - sales@mutley.co.uk
 Mutley Plant Service Ltd, 1 Cooling Rd, Aylesham Industrial Estate, Aylesham, Nr Canterbury, Kent, CT3 3EP
 Registered in England No: 3479006

WWW.CRUSHERCONSUMABLES.CO.UK

TOP QUALITY CRUSHING AND SCREENING WEAR PARTS!



Scan code



CRUSHER CONSUMABLES
Est. 2004

Crusher Consumables Ltd. Keeper's Barn, Newborough, Staffordshire DE13 8RY United Kingdom

Tel: +44 (0) 1283 576185 – Fax: +44 (0) 1283 576188 – 24 Hour: +44 (0) 7977 570188
 Email: sales@crusherconsumables.co.uk

JAW CRUSHERS – CONE CRUSHERS – IMPACT CRUSHERS – ENGINE SPARES – SCREEN SPARES

VISIT OUR WEBSITE FOR SPECIAL OFFERS

MTK **BREAKER HIRE AND SALES LTD**

One of the UK's leading hydraulic excavator mounted attachment companies.



- Hydraulic Breakers • Compactors • Augers • Shears/Pulverizers
- Piling Hammers • Pile Crushers • Grabs/Multi Processors • Tilt/Riddle Buckets
- Post Knocker/Multi Cut Flail/Kerb Lifter • Digging Grabs

Due to fleet updating Large Selection of Ex-Hire Fleet attachments available for sale including Plate Compactors, Breaker and Augers.
 Please Call Adam Jackson on 07760 312301 or Mike Leech on 07901 528802

MTK (Breaker Hire & Sales) Ltd
 T: 0161 225 9740 | F: 0872 331 5170 | E: info@mtk-breakers.co.uk | www.mtk-breakers.co.uk

INTECO **GA** **SINDECO** **ALLIED** **DAWSON** **1 MOUNTING** **KINSHOFER** **ITALMEK**



DEM-MASTER

DEMOLITION LIMITED

DEMOLITION IN SAFE HANDS



Pottishaw Place, Whitehill Industrial Estate, Bathgate, EH482EN



TEL: +44(0)1506 654845

E-mail: demolition@dem-master.co.uk

www.dem-master.co.uk



bph.
Attachments

**SERVICE, PARTS
& REPAIRS
SPECIALISTS**

Fully equipped workshops & skilled engineers
at both our depots in West Sussex & Leicester.

Head Office: Gillmans Industrial Estate Natts Lane Billingshurst West Sussex RH14 9EZ 0845 017 6972	Midlands Depot: Unit A, Brunel Way Stephenson Industrial Estate Coalville Leicester LE67 3HF 01530 553 788
---	--

www.bph-uk.com | sales@bph-uk.com

DEMOLITION &
d&ri
RECYCLING INTERNATIONAL

Don't miss the opportunity
to advertise in the
November-December 2017
issue:

Please contact:
Julia Bossie
Tel: +44 (0)1892 786204
Fax: +44 (0)1892 786258
E-mail: : julia.bossie@khl.com

DEMOLITION POWER

for all your Demolition Attachments and Dust
Suppression Equipment

INMALO

INTERNATIONAL
MARKETERS
(LONDON) LTD

MONTABERT®



MONTABERT 501NG



MBI Rotating Pulveriser



MBI Crackers



MBI Shears

INMALO

MONTABERT®



Advanced patented technology
for reliability and longer life.

Montabert Range:

- Silver Clip - Small
- Medium
- **Heavy**
- Heavy - Variable
- XL Line

**The power to enhance
your productivity.**

Inmalo supply a comprehensive range of demolition and dust suppression equipment to the demolition industry. From the smallest to the largest excavators, we have the most powerful and reliable attachments for any size project.



Mobile Line Boring



DustBoss / Motofog

Our engineering facilities can now provide Mobile Line Boring. Call us to discuss your purchase or hire requirements for hydraulic attachments and dust suppression equipment.



new

PERFORMANCE LINE

UNBEATABLE PERFORMANCE

The new Rammer Performance Line hammers are your everyday solution for a wide range of breaking demands. Designed with proven Rammer features and standards, these Rammer Performance Line hammers offer more than just excellent power-to-weight ratio, they bring the quality reassurance that only a true Rammer hammer can bring.

Meet our new Rammer Performance Line, visit www.rammer.com for more information.

RAMMER HITS HARDER / rammer@sandvik.com / www.rammer.com

Rammer[®]