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**HILTI**

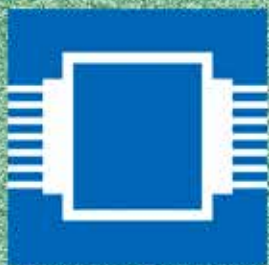
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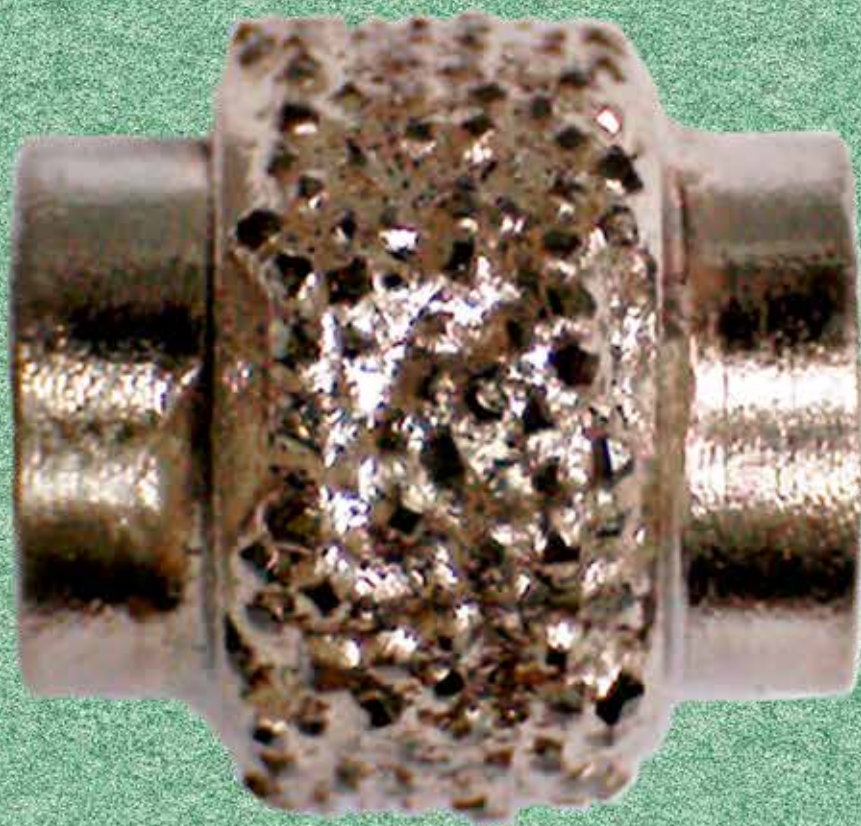
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# In the foot steps of World Cup: Aiming for the Latin American Concrete Cutting & Demolition Forum in Rio de Janeiro, 2015

Dear Reader

When you receive this issue of PDi the 2014 football World Cup in Brazil will be over. I like to watch football, in particular the World Cup and the European Cup as I am European. But I am also Swedish and unfortunately Sweden does not have a good team at present. We do have some good players like Zlatan Ibrahimovic, but Sweden is not a football nation like Spain, The Netherlands and France and Brazil for example.

Speaking of Brazil I would like to highlight a special Latin American Concrete Cutting and Demolition Forum 2015 planned for Rio de Janeiro on 1-2 October 2015. This forum will focus on concrete sawing and drilling and demolition in the Latin American markets and is being organised by S.C.O.P. publisher of PDi Magazine, and Riverbends Publishing, publisher of Professional Demolition Americas magazine.

Although the forum will address the entire Latin American market, special attention will be given to the host country Brazil. The forum will also be supported by Sobratema, the Brazilian association for machinery and technology for construction and mining, which also organises the Brazilian trade show M&T Expo. Another supporter is the Brazilian rental machinery association ALEC. The over 400 Brazilian rental firms that are members of ALEC not only rent, for example, wall and wire sawing equipment or remotely controlled demolition robots, but also rent out operators and carry out concrete cutting and demolition jobs. The third Brazilian association that supports the forum is ABRECON, which is an association for crushing and recycling of demolition debris, waste material and other types of construction material. Other associations that will support and take an active part in the Forum are the International Association of Concrete Drillers and Sawers, the European Demolition Association, and the US Concrete Sawing and Drilling Association and US National Demolition Association.

There will be a number of interesting topics on the agenda and these will be available in a few weeks on the forum's website [www.latindemoforum.com](http://www.latindemoforum.com). This Forum is one of the most exiting projects our publishing house has been involved with. The reason we are proceeding with this is the strong growth of concrete cutting, controlled demolition techniques, hydrodemolition, recycling of demolition debris, concrete floor grinding and polishing and handling of hazardous concrete dust and slurry in several Latin American markets in recent years. Brazil has, in particular, showed strong growth. It is believed there will be a very strong requirement for concrete cutting services and demolition at least up to 2020 and a fairly strong need until 2030. And we believe that Brazil is the forerunner for many other Latin American nations and we hope to be able to attract also contractors and trade associations from other Latin American markets to the forum. Official magazines for the Forum are PDi Magazine and PDi Magazine.

Finally, I hope you enjoy this issue of PDi that contains a number of interesting reports and news releases. And for those readers in the northern hemisphere I wish you all a nice summer and vacation. And to you in the southern hemisphere, keep up the good work.

**Jan Hermansson**  
Editor-in-Chief  
[jan.hermansson@pdworld.com](mailto:jan.hermansson@pdworld.com)



Photo: Vito Gogolia.

*Words from the IACDS President*

# "Life feels tough at present"

Although it will soon be vacation time here in Sweden we have had a very cold and windy early summer. It also does not help that this time of year we have quite a few public holidays connected to weekends so the weekends are longer.

There is still a flexible situation in the market in Sweden. Maybe this is due to all public holidays and weekends that there has not been enough days to work, which has been delayed or not even started. That goes not only for the market, it is also for me. There are a lot of new concrete cutting requirements, but very few jobs are being let. It feels like there are few new projects starting. When I talk to our members in the Swedish concrete sawing and drilling association that say the same. They really do their best to get new assignments, but nothing is happening and new jobs are not forthcoming. So what is happening? Is everybody waiting for the autumn so things can get back on track again? Or is it that we have elections in Sweden in September and everybody is waiting for the results.

All economic forecasts say that the economy in Sweden will improve after the vacation and during the autumn. Let us hope that is true as there are a lot of jobs that need doing. The infrastructure needs improving and a lot more housing is required.

I will be working a couple more weeks and then it is finally vacation. When I am back in August our association and the whole industry will prepare for this autumn's big event, the trade show for our business, DEMCON 2014 that will be held as usual at InfraCity, north of Stockholm.



I hope some of you will attend the event. Besides being an excellent exhibition we also have a great gala dinner on Thursday 4 September where the Swedish Demolition Award ceremony will take place.

The DEMCON exhibition takes place between 4-5 of September and both the Swedish concrete sawing and drilling association and the Swedish demolition association will attend. I hope to see all of you at this event. During the show I will also attend a board meeting with the Finnish Demolition Association. I know the exhibition will be visited by several different nationalities besides Swedes, Norwegians, Finns and Danes, like Spanish, British, Germans to name a few.

I like DEMCON for the reason that the whole industry is gathered at one show. This is the exhibition for us and only for us. DEMCON is unique, I cannot think of any other exhibition like this. I cannot think of any other branch association that has managed to gather the whole industry in this way. Finally, I wish you all a great summer and vacation and I hope to see you at DEMCON in September.

**Lars Sandström**  
President of IACDS



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## Words from the EDA President

# Nuclear Decommissioning

The demolition industry faces a number of challenges every day. One of the most common is its image. The general public will have a vague idea of what demolition is and professionals, related with construction activities, will usually have a good idea of what demolition companies do.

To bring some light on this issue, the European Demolition Association is working on a simple guide about the demolition industry. It will include industry benefits, which mainly concern green issues and definitions for keywords related to activities.

The EDA is working to improve the image of the demolition industry, sharing with stakeholders its expertise, abilities and experience. EDA members want to be more involved in certain areas and markets where demolition is required. One of these fields is the nuclear decommissioning sector. After a few decades of operation, there are plans across Europe to close down a number of nuclear facilities. This has been happening for while, but the disaster at the Fukushima nuclear facility and a number of social factors in Europe are speeding up this process.

When decommissioning operations are planned, sooner or later they include dismantling, decontamination and demolition, activities where demolition companies can and should participate.

Even though nuclear decommissioning is very specialized, there is increasing pressure from national and European authorities to make sure small and medium sized companies participate in the process.

It takes time to get into this market, as it often requires licensing processes, an important learning curve for all the people involved and, importantly, a change of mind on the timing related with the operations.

A delegation from the EDA was present at the Nuclear Decommissioning

Conference held in Manchester, UK in May, sharing information about activities, increasing network of contacts and working to improve the image of members and what they can do.

The EDA will continue to work in this field, and we invite interested parties to contact the EDA secretariat to get involved in the activities of nuclear decommissioning from the demolition perspective.

**Pilar de la Cruz**  
**President of the European Demolition Association**

#### About EDA

The EDA was founded in 1978 and is the leading platform for national demolition associations, demolition contractors and suppliers. The EDA has a strong focus on developments in Europe, which are of interest to the demolition industry.

info@europeandemolition.org  
www.europeandemolition.org



Pilar de la Cruz, EDA President, VD Voladuras Demoliciones y Desguaces SA, Spain



## Volvo Construction Equipment sales increase

During the first three months of 2014 Volvo Construction Equipment saw net sales increased by 10% to SEK13,371M (EUR1,461M) compared to EUR1,326M in the same quarter of last year. Operating income increased to EUR71M, compared to EUR55M in the first quarter of 2013, while operating margin strengthened to 4.8%, up from 4.1%. Deliveries increased by 11% compared to the same period a year ago, while the order intake was 9% higher than in the same quarter in 2013.

## Hilti remains on track

In the first four months of 2014, the Hilti Group has stepped up sales in local currencies by 10.2%. The growth of sales was diminished by continuing negative exchange rate effects, especially in emerging markets. Having generated a sales increase by 4.8% to CHF1,436M (EUR1,180M), the Hilti Group also posts higher growth in Swiss Francs over the corresponding period of last year. In the emerging regions of Latin America, Asia/Pacific and Eastern Europe / Middle East / Africa, Hilti has achieved substantial sales increases in local currencies. With a 7.9% advance in sales, Europe also reports significant growth. Southern Europe is showing signs of a slight recovery, yet with no indication of stable growth. In North America, sales were up 8.6%, with business having been severely impaired in the first few weeks of the year as a result of unusually harsh winter conditions in several regions. Commenting on Hilti's sales figures, CEO said: "With our targeted investments we have leveraged the general market recovery to accelerate growth as planned," said Hilti chief executive officer Christoph Loos. "All in all we are satisfied with our track record even if we were not immune against negative currency effects in the emerging markets."

## Bauma Conexpo Africa moves to Johannesburg

Bauma Conexpo Africa is moving to a new venue at the Johannesburg Expo Centre on 15 to 18 September 2015. "The Johannesburg Expo Centre is one of the largest trade fair venues in Africa. If required, there are over 50,000m<sup>2</sup> of fully equipped hall space and around 60,000m<sup>2</sup> of outdoor exhibition space available. Therefore, Bauma Conexpo Africa has the opportunity to grow," said BC Expo South Africa chief executive Elaine Crewe. The set-up at the JEC meets the logistical and infrastructural requirements of Bauma Conexpo Africa and provides exhibitors and visitors ample parking space and five star facilities.

[www.bcafrica.com/venue](http://www.bcafrica.com/venue)  
[www.expocentrejhb.co.za](http://www.expocentrejhb.co.za)

## CECE focuses on agility

The core topic of this year's CECE congress to be held on 16 to 17 October in Antwerp

in Belgium will be How to become more agile in a fast changing environment. Despite good signs for 2014, the situation for the construction equipment industry in Europe remains challenging. Manufacturing is widely recognized as a domain where innovation is critical. CECE has invited an panel of speakers, chief executive officers of companies like Volvo, Caterpillar, Bosch Rexroth or JLG who will look at the issue of agility and changing patterns from different angles.

"At the congress we want to share best practice in our industry and best practices from other industries, like the car sector," said CECE president Eric Lepine. "The congress should provide company representatives with new insights. We would like to raise awareness among companies for these challenges and would like them to identify the areas where they may explore their potential".

## Keltbray wins London awards

In the UK the specialist contractor Keltbray, has won five awards at the 2014 City of London Corporation's Considerate Contractor Scheme Awards.

Keltbray secured three awards, including the Environmental Award, the Access Award and a Highly Commended Award, for its work at Duke's Place and Mitre Square, where Keltbray demolished an eight-storey commercial building. Keltbray was praised for its outstanding environmental performance and provision of access around the site. Keltbray secured a further two Gold Awards for work undertaken at London Wall Place and Stone House at Devonshire Row.

"We fully support The Considerate Contractor Scheme's aims by carrying out our operations in a safe and considerate manner on our sites, and are delighted The City of London Corporation recognises our efforts in this way. I am proud of what our teams on these construction sites have achieved," said Keltbray chief executive Brendan Kerr.

The Considerate Contractor Scheme aims to encourage building and civil engineering contractors working in the City to carry out their operations in a safe and considerate manner. As part of the scheme, building sites and street works are annually judged on the basis of their overall performance during that year and on a site visit by a specially appointed judging panel.

[www.keltbray.com](http://www.keltbray.com)







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## Sandvik Construction's new distributor for Indonesia

Sandvik Construction has appointed PT Kasana Teknindo Gemilang as its new distributor for Rammer and Bretec throughout Indonesia. PT Kasana Teknindo Gemilang will be supplying a comprehensive range of Rammer and Bretec products, and provide aftermarket care, spare parts and dedicated customer service. Sandvik's customers throughout Indonesia will now be able to benefit from even greater levels of support through PT Kasana Teknindo Gemilang. The appointment reinforces Sandvik's commitment in providing even greater levels of customer focus, and further reinforces its commitment to enhanced locally focused customer support, whilst at the same time allowing customers to benefit from dealing with a global company. PT Kasana Teknindo Gemilang is an established name in Indonesia, with offices, workshops, service engineers throughout the area. Additionally the company will be able to call on round the clock support from Sandvik Construction's regional office located in Jakarta. This will further enable customers to benefit from the specialized advice and assistance that has made Sandvik a world leading supplier of construction equipment.

"We are sure that the combination of Sandvik equipment and global aftermarket support, together with the local knowledge and industry expertise of PT Kasana Teknindo Gemilang, will enable Sandvik customers throughout the area to benefit from a winning combination," said Sandvik Construction global distributor manager Herbert Buder.



## AEM supports National Fall Prevention Stand-Down

Safety is a priority focus in the US for the Association of Equipment Manufacturers and its member companies, as it supported the National Fall Prevention Stand-Down held in June. The campaign promotes greater awareness among construction industry employers and workers about the seriousness of fall hazards. The stand-down is part of the Occupational Safety and Health Administration's ongoing Fall Prevention Campaign launched in 2012. In 2013, nearly 2,500 employers and over 50,000 workers took part in regional stand-downs that were held across the US. This year, the goal is to involve 25,000 employers and 500,000 workers. Falls are the leading cause of death in construction, accounting for 269 of 775 total fatalities in 2012, according to OSHA. AEM is active in many organizations,

coalitions and programmes advancing safety, and AEM also produces an extensive series of safety manuals, videos and related safety training materials that promote safety awareness in cost-effective, easy-to-follow formats. Drawing from the combined experience of manufacturers dedicated to safe equipment operation, these materials describe basic, job-oriented hazards and safety procedures.

<http://shop.aem.org>

## Hitachi appoints sole distributor in Spain

Hitachi Construction Machinery (Europe) has appointed HJM as its sole distributor for the Spanish market. HJM, with its headquarters in Ponferrada, will also have a new 18,000m<sup>2</sup> branch office for central Spain in the outskirts of Madrid. Previously, the company had covered the northern part of Spain. It will now be exclusively responsible for all sales enquiries and product support matters for the entire country for the Hitachi range, which includes crawler and wheeled excavators, wheel loaders, rigid dump trucks and special application machinery. In line with this development, Portuguese company Moviter has relinquished its Spanish operation and is refocusing its efforts and applying its experience to its existing markets in Portugal and Angola. These changes highlight HCME's ongoing commitment to support Hitachi customers, by working with dedicated dealers that have specialist knowledge of their individual markets, resulting in better product and applications advice, and even higher levels of service and after sales support.



## Chicago Pneumatic appoints dealer for South Africa

Chicago Pneumatic has appointed United Sales and Services as its official distributor in Southern Africa. The company, which operates in South Africa, Zambia and the Democratic Republic of Congo, will now supply its customers in the region with Chicago Pneumatic's complete portfolio of construction equipment and portable energy products, in addition to its range of stationary compressors and handheld power tools.



## Volvo completes Terex acquisition

Volvo Construction Equipment has completed the acquisition of Terex's hauler business for \$160M (EUR118M) on a cash and debt-free basis. The deal includes the main produc-

tion facility in Motherwell, Scotland and the rigid and articulated hauler product ranges. It also includes the distribution of haulers in the US as well as a 25.2% holding in Inner Mongolia North Hauler Joint Stock (NHL), which manufactures and sells rigid haulers under the Terex brand in China. In 2013, the acquired businesses, excluding NHL, had net sales of around EUR168M and an operating income of approximately EUR7M.

## World of Concrete Europe part of Intermat 2015

The World of Concrete exhibition is recognised as the leading event for the concrete industry in North America. For its first occurrence in Europe, WOC aims to become the same catalyst for the concrete industry by hosting producers, contractors and suppliers from Europe, French speaking African countries and the Middle East. WOC Europe will be one of the headline events at the next Intermat to be held in France from 20 to 25 April 2015 at the Paris-Nord Villepinte exhibition centre. To support WOC Europe's mission, the organisers have formed a steering committee of 12 industry specialists comprising members of the concrete industry's official representative bodies. Its role is to establish and implement all the actions necessary to enable WOC Europe to highlight and promote the concrete construction profession. Among the initiatives scheduled are educational seminars and demonstrations on the different decorative uses for concrete. WOC Europe will fill the range of construction segments traditionally offered at Intermat. By bringing together the specialists in plant and equipment for the production, transport, placing and finishing of concrete, Intermat will present a comprehensive range dedicated to the concrete sector, from production activities to construction.

## LiuGong honoured

The Chinese manufacturer LiuGong, has announced that its chairman and LiuGong Group president, Zeng Guang'an, has been recognized as the '2013 Pioneer of China Industry' at the 10th China Industry Forum hosted in Beijing. In addition, LiuGong Machinery Corporation was named '2013 Demonstration Company of China Industry.' China Industry Forum is a high-end authoritative forum for Chinese industry including the petroleum and chemical industry, construction equipment industry, manufacturing, and transportation. The awards of 'Pioneer of China Industry' and 'Demonstration Company of China Industry' unveiled at the forum identifies executives and companies that are taking the lead in industry and playing an exemplary role in China industry's reform and development process. Transitioning a plant located in the southwest boarder area of Guangxi to a leading international construction machinery manufacturer brand from China, LiuGong has marched forward with a forward-looking strategy, scientific and stable operation, and an all-embracing corporate culture in the past 55 years. It has been creating one milestone after another in China's construction machinery

industry. In 2013, LiuGong strengthened its market at home and abroad and ensured stable operation amid market slowdown. In the same year, Zeng Guang'an, who came to office as the youngest president of LiuGong Group in LiuGong's 55-year history, continues to maintain his ambitions to explore the global market as well as his strategic foresight for sustainable development. His efforts push the development of LiuGong and infuse new vitality to China industry's transformation and innovation.



## LiuGong opens Hong Kong subsidiary

The Chinese construction equipment manufacturer LiuGong opened its Hong Kong subsidiary in Maytel. LiuGong Group chairman Wang Xiaohua and LiuGong Machinery chairman and LiuGong Group president Zeng Guang'an, and other top management, as well as LiuGong business partners, attended the opening ceremony. LiuGong now has 10 subsidiaries, seven spare parts depots and two overseas manufacturing operations around the world. It also has over 320 overseas dealers across 130 countries and regions with more than 30% revenue from the market. The establishment of the Hong Kong subsidiary will improve LiuGong's expansion in overseas markets and help with long-term stable growth. It is also an important step for LiuGong to optimize overseas capital management, achieving its commitment of improving business value, foreign exchange and financial leasing management.

## Longdia closes

"After 50 years in the business of manufacturing diamond tools and equipment for the professional market the shareholders of Longdia have made the decision to close its operations," said chief executive officer Rolf Norderling. "The management doesn't see any positive economic effects for the company in the future. The market is a price driven and this situation will be dangerous for a lot of manufacturers of quality products and their service. Depending on that knowledge the shareholder made the decision to liquidate the company."

The company was financially able to use the fine art to come out of the business. The shareholders appointed the former managing directors as liquidators. The liquidators were supported by management consultants and utilization companies, especially by Der Liquidationsexperte. We have to say thank you to our customers and suppliers for 50 years loyalty. As well thanks to our employees for their work and servicing our customers."



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# New dust collectors from Blastrac

Blastrac has introduced new dust collectors BDC-44 – 4, BDC-66 – 6 and BDC-99 – 9 high quality cartridge filters. These are compact, high performance dust collectors with minimum weight employing automatic air pulsejet cleaning systems with four, six or nine easy to change filter units. There are changeable dust collecting options including Longopack, dust bin or dust bag. Read more about the novelties in our special feature about dust extractors in pages 42-43.

[www.blastrac.eu](http://www.blastrac.eu)



## Hitachi Zaxis-5 machines excel in UK's rental market

The Hitachi Zaxis-5 range of excavators is renowned for fuel efficiency, productivity and reliability, particularly among customers in the UK's rental market. Being the largest rental market in Europe, with growth forecasted for around 4.5% in 2014-15, it has proved to be an ideal testing ground for the latest Hitachi excavators.

Three of the UK's leading players in this market are meeting their customers' demands with fleets of Hitachi construction machinery. One Call Hire, based in Enfield, has more than 380 Zaxis excavators, ranging from mini to large and including the latest -5 medium models. "We offer the latest technology, fewest emissions and safest machines, so that contractors tendering for new projects can have every confidence in the excellent condition of our fleet," said One Call chair-

man John Fitzpatrick. "Our customers are finally understanding the importance of fuel efficiency. For Zaxis-5 excavators, we explain that there's a £100-250(EUR122-304)/week saving, depending on the model and that grabs their attention. This means that our machinery is excellent value for money in comparison to the competition."



## Wacker Neuson's latest wheeled excavator

Wacker Neuson has added the 10t mobile excavator EW100, which has a top speed of 40km/h. The EW100 is claimed to be the

fastest mobile excavator in its class and is equipped as standard with a boom and two bucket arm versions are available. A long bucket arm can also be chosen with an adjustable boom.

One innovation is the Jog Dial System, which is used in the automotive sector. Using one rotary push knob, the menu is very easily and intuitively operated with one hand. In this way, adjustment changes can be made quickly. Many functions are also operated with the joystick, including a cruise



## Cat B15 Smartphone defies gravity

Caterpillar's new Cat B15 Smartphone has been put to the test in Gravity, the second in a new series of Caterpillar short films that follow the action in the Built For It trials equipment challenges. Gravity opens with a Cat MH3049 material handler holding a B15 in its grapple and hoisting the phone nearly 10m high and dropping it into a pool of deep water. After rescuing the submerged B15 from the water, the operator takes the working phone and places it on the ground within a group of similar B15 phones placed in two rows. A Cat 277D skid steer, weighing 4.6t is then driven over the phones which are then

checked to test if all the phones survived the punishment of this Built For It Trials challenge.

"The films we're producing, including Gravity, are a major departure from our traditional product videos," said global brand marketing manager Diane Lantz-Rickard. "We wanted to show the capabilities, features and benefits of our products in a unique way, a way that not only educates the audience, but also entertains them."

According to Lantz-Rickard, the team behind the Built For It Trial film was encouraged to think out beyond the box. She said the team was given basic information about the features and benefits of the Cat products, and told not to worry about whether or not their crazy ideas for the challenges could actually be done by the equipment or the operators.

"When the team presented their concept for Gravity I'm not sure they really thought we'd give the go ahead for this challenge," said Lantz-Rickard. "It is almost unimaginable that any cell phone could possibly survive such punishment. But we gave the nod with confidence the phones would win the battle. And they did indeed prove they were built for it. The B15 Smartphone definitely belongs to the Caterpillar family."



Concrete Cutting Nutters Association.



Håltagare, Sweden.

# Facebook unites concrete cutters

Facebook is a well established social media communication tool and now there are Facebook groups for concrete sawing and drilling contractors.

In Sweden, which has about 300 concrete cutting companies, a Facebook group has been created currently consisting of about 1000 members. The group is called Håltagare, which means Concrete Cutter in English. The group was formed about a year ago by the

president of the Swedish concrete sawing and drilling association Anders Andersson.

And in Australia a similar Facebook group also has a similar number of members. In both groups there is a lot of activity with new pictures and comments from members. The two Facebook groups are great sources for knowledge in the field of concrete sawing and drilling and contacting colleagues around the world.

control for optimum speed, such as for when driving slowly with various attachments like a sweeper, or a lock button for continuous operation, such as the operation of a hydraulic

breaker. Due to the various possibilities of assigning the joystick, the operator can perform many functions without having to take his hands off of the joystick.

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# Latest engine from Hatz

To meet customer demand for a ready-to-install plug and play solution of the new water-cooled 55kW engine, Hatz offers the 4H50TIC now as what it calls an 'open power unit.' In addition to the standard scope of delivery of the engine, all parts, which are required for the operation of the engine are delivered with the 4H50TIC OPU. These include a radiator and intercooler mounted vibration-decoupled, as well as the appropriate tubing and wiring harness. All parts are installed in the factory during the production process. Customers only need to connect tank, pre-filter and pump as well as air filter, battery and control box.



## Keestrack World Dealer Meeting

Sales staff and 150 dealers from 38 countries attended the Keestrack World Dealer Meeting in Austria in March 2014. The Keestrack dealer meeting was followed by four days of equipment demonstrations all new products. The event was organized by the Austrian Keestrack dealer erwin hofstätter and held at the Hengl Quarry in Limberg. Keestrack Group President Kees Hoogendoorn gave a presentation of the Keestrack mobile crushing and screening equipment and future products. The Keestrack Group crushers, screens and stackers had been set up in several applications like concrete, asphalt, demolition waste and the tough Austrian Granit. Dealers and customers were presented with new or upgraded stackers, screeners and crushers.

### Stackers

New track mobile stacker, 800mm x 18m in diesel hydraulic drive, diesel electric drive and in dual drive configuration. New track mobile stacker, 1m x 23m in diesel hydraulic drive, diesel electric drive and dual drive configuration.

### Screeners

New S175 scalper/screener with screen area of 1.5m x 5m. New S175 and Novum scalper/screener with quick removable right side conveyor. New Relytec-control panel for simplified operation and maintenance. All screeners are available with diesel hydraulic drive (ECO FS = Fuel Saver) and diesel electric drive (ECO-EP = Electric powered) with or without external connection.

### Impact crushers

New compact Destroyer 1011, below 30t with after screen and oversize return conveyor. New Destroyer 1113 with new rotor concept and swivelling oversize return conveyor usable as well as stockpile conveyor. New Destroyer 1313 with new rotor concept and swivelling oversize return conveyor usable as well as stockpile conveyor.

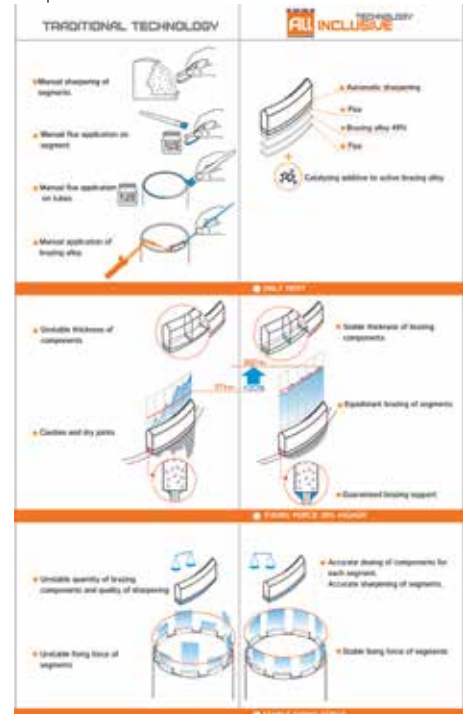
### Jaw crushers

New Argo crusher 1m x 600 mm below 30t with new upgraded crusher setting technology. New Apollo crusher 1050mm x 730 mm with new re-designed crusher and feeder for hard natural rock applications. New remote control concept enabling the jaw crusher to restart with a full crushing chamber. Keestrack announced their cooperation with the Austrian manufacturer of the Bivitec screens Binder. The company also announced it was in the process of establishing a cooperation with BHS-Sonthofen.

Keestrack and BHS-Sonthofen to develop a track mobile VSI crusher. A BHS VSI-crusher RSMX 1222 unit was on display during the event. Keestrack also said that it would shortly be introducing the new track mobile screen Giant with a Binder 1.9m x 6m screening unit.

## Diamantwerk simply and firm

DiamantWerk has enlarged its all inclusive range of products and has started to manufacture the diamond segments for drilling with the All-inclusive technology. The segment already has all the necessary components for the drill bit recovery, such as flux, brazing alloy, and special forcing agent. Such innovation simplifies the brazing process. Now this operation can be provided even by novices. Recovery centres do not need to buy the flux and brazing alloy separately. Reliability of the tool plays a great role during the construction works. All-inclusive technology secures high reliability of the segments' fixation to the core and has much more stable and better results compared with the standard methods.



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# Core Cut uses hydro-demolition at Liverpool



Corecut's Ewan Crocker (left) and UK dealer Aquapower director Alistair Mackenzie.

**Hydrodemolition duties were undertaken as the busy shipping passage operated normally.**

The UK's first Aqua Cutter 710V Evolution robotic hydrodemolition unit bought by contractor Core Cut has played a crucial role in the preparation work to widen the Gladstone Lock entry and the adjacent quayside infrastructure at the Port of Liverpool, owned by Peel Ports. The increasing size of cargo ships has resulted in a need to expand Liverpool's Seaforth Passage and docks and improve turnaround.

## Hydrodemolition best solution

Belfast based Farrans Construction secured the contract to carry out the work, which will widen the passage by 20m to 60m on completion. It will also construct new fendering around the Gladstone Lock entrance, demolish the existing wall and construct a new quay wall.

Widening works initially required the re-routing of electrical and water services

between the quay areas on either side of the Seaforth Passage. It's here where the ability of Core Cut to offer both wire sawing and hydrodemolition services as a sub-contractor proved invaluable. "As part of the passage widening works we have to demolish the existing service culvert. As a result a service diversion is being constructed to replace the existing culvert crossing the passage," said Farrans section engineer, Ryan Dillon.

"Pneumatic or mechanical breaking wasn't an option due to the vibrations it would have induced," said Core Cut operations director Ewan Crocker. "Drilling or hand lancing would also have required the erection of elaborate and expensive scaffolding and the use of man baskets. Due to the depth of the sections involved and the restricted working area – with slab depths in excess of a metre – floor and wall sawing and stitch drilling were also ruled out. We therefore proposed a combination of wire sawing and hydrodemolition techniques employing the Aqua Cutter Evolution 710V with its extension arms as a safe, cost effective

and time-saving alternative."

## Safe and controlled method

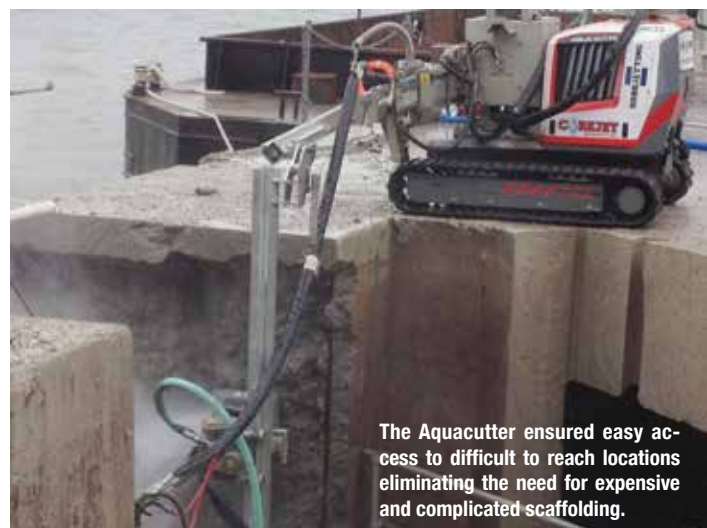
Core Cut set up a separate Corejet hydrodemolition division and proposed using hydrodemolition with the Aqua Cutter and its extension arm allowing it to reach 3.5m over the side of the dock. Wire sawing allowed Corejet to initially remove 260t of concrete. This was then followed by the 710V Aqua Cutter to remove more than 26m<sup>3</sup> of concrete to a depth of 500 mm with the hydrodemolition process to expose the rebar.

"Robotic hydrodemolition provided the safest and most controlled solution for this job and the use of the extension arm and small hood allowed it to get at otherwise unreachable sections without the need for any additional temporary works," said Dillon.

Once all preliminary work has been completed at the Seaforth Dock, a new quay will be installed and the existing wall demolished. The completion of the overall project is expected to be around February 2015.



Remote control ensured safe operation.



The Aquacutter ensured easy access to difficult to reach locations eliminating the need for expensive and complicated scaffolding.





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# Rotary disc cutting best solution at Gothenburg quay

Demolition methods are becoming increasingly diversified in line with contractors' and manufacturers' ingenuity. A good example is the Swedish demolition contractor Demcom which was chosen to use rotary cutters to demolish a quay in Gothenburg harbour. The damaged and worn quay has been cut off and concrete sections have been removed and crushed and recycled off site.

## Rotary cutters best method

Rotary disc cutters from the SMC were used to mill the concrete. The method has also proved considerably cheaper and more efficient than the use of wire sawing. Wires would have cost around EUR120/m. Work in Gothenburg's Skandia Harbour began in November 2012 and lasted for a first phase until May 2013. Work was suspended prior to resumption last November and lasted until May this year. Demolition was required due to the concrete damage below sea level. The quay is supported on pillars which contractor Demcom demolished using the hydrodemolition technique. Demcom has used several different demolition methods on the same job, including mounting a wall saw on the arm of the hydrodemolition robot to process the quay pillars.

## Extreme Processing

The equipment from SMC consists of two disc cutters. Initially Demcom bought a 120kW cutter to start the project. Last November the company invested in another larger 200kW rotary disc cutter mounted on a Hitachi 850 excavator. The bigger SMP 205 disc cutter weighs 6.5t and has a milling depth of 585 mm and width of 150 mm. The concrete in the Skandia harbour is heavily reinforced and consists of hard granite aggregate from the Bohus province in the west of Sweden. The concrete deck was 600mm thick and had four layers of 16mm rebar. Up to May this year



600mm deep cutting grooves.



A super-hot cutter from SMC.

Demcom finished 4km of quay. SMC's line of disc cutters, produced by SMC and German manufacturer Erkat, is a good method for controlled demolition. It is very efficient and the cost is lower than alternative methods. It had initially projected a consumption of 6000 hard metal picks, but it turned out that it consumed much less.



A Conjet robot helps with hydrodemolition and cutting the quay pillars.



In Skandiaharmen in Gothenburg Demcom has demolished 4km quay by using SMC disc cutters.

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## New drill system from Weka

The German concrete cutting equipment manufacturer Weka has launched a new drill system called KS 30. It has a number of benefits, such as low weight and maintenance paired with high stability and low vibration. It is equipped with a quick change plate, angle adjustment and makes set up and transportation easy, thanks to the roller guide system, the vacuum foot and transport wheels. Weka KS 30 is 950mm long, can carry drill bit diameters up to 350mm and lengths up to 560mm. The complete drill system weighs 13.9kg and was launched at the Beboesa exhibition in Germany.

[weka-elektrowerkzeuge.de](http://weka-elektrowerkzeuge.de)



## General Equipment's CS8 Random Crack Saw

In the US General Equipment Company's CS8 random crack saw has been designed for following and cutting irregular crack patterns in asphalt and concrete surfaces. Utilizing a 203mm diameter, dry cut diamond blade, the saw has a centre-mounted blade to provide a solution to producing smooth-sided cuts for crack filling procedures. Power is supplied by a 9.2kW Honda GXV390, four-stroke engine equipped with a Cyclone type air filter system. The maximum cutting width is 12mm and the maximum straight line cutting depth is 37mm.

The CS8's centre mounted blade lets the machine pivot about its own axis to more easily follow random crack patterns. This design helps maximize blade life by minimizing undercutting. Because the saw is pulled during operation, it offers more natural operator control than side mounted blade saws, and affords excellent visibility of the crack.

To best handle the rigors of any jobsite, the CS8 features a unitized, welded steel-plate frame with extra heavy-duty, sealed swivel casters and extra capacity, twin-row externally greased bearings. Other standard features include an infinitely adjustable blade height control and Quik-Pitch blade engage/disengage lever.

[www.generalequip.com](http://www.generalequip.com)

## Cuts Diamant Diamond blade for asphalt and concrete

Cuts Diamant has released the new diamond blade EC 620, which is suitable for cutting

asphalt and green and cured concrete. This diamond disc is particularly suitable for charterers of machines and equipment, who can offer customers a diamond blade that can cut concrete and asphalt, without the need of having to mount and unmount the diamond blade according to the material to be cut.

The diamond cutting disc EC 620 is characterized by the presence of standard sectors and turbo segments with the addition of reinforced segments. This special type maximizes cutting performance and durability of the disc. It is available in diameters of 300mm, 350mm, 400mm and 450mm.



## HTC Releases HTC Greyline in the US

HTC has released the new and improved HTC Greyline on the US market. HTC Greyline is a cost-effective line of simple and easy-to-use floor grinding equipment, diamond tooling, and accessories for contractors and DIY enthusiasts.

"Greyline is extremely versatile and simple to operate," said HTC product manager and training coordinator Clif Rawlings. "Rental companies can really benefit from having Greyline in their fleets, as it can replace up to three other machines. It is also very light

and can easily be transported."

HTC Greyline is perfect for floor preparation, coatings removal, concrete grinding, concrete levelling, and wood refinishing. The series consists of floor grinders, dust extractors, a pre-separator, diamond tooling, and an edge kit. All HTC Greyline equipment operates on single phase 230V or 110V power. The equipment line has been electrically enhanced to work on a broader range of power including ground fault circuit indicator outlets.

[www.htc-floorsystems.com](http://www.htc-floorsystems.com)

## Komatsu launches Komtrax mobile app

Komatsu Europe International has introduced a mobile application that allows equipment owners to see critical machine information from the Komtrax fleet monitoring system on their Apple smart phones or tablet devices. Building on a decade of Komatsu Komtrax technology, the new Komtrax App gives owners access to their current information anytime and anywhere in a daily, weekly or monthly time increment. The new App lets owners:

- **Locate an asset and obtain driving directions to it**
- **Identify hours worked, idle time and fuel consumption**
- **Be notified of cautions with descriptions and time stamps**
- **Monitor machine movements**
- **Analyse machine utilization**



## Irock responds to customer demand

In response to customer demand the US company, Irock Crushers, has expanded its product line to include the TJ-3046 tracked primary jaw crusher for medium size operators in quarrying, demolition, recycling and mining applications.

The TJ-3046 features a 10m3 feeder and includes a grizzly pre-screening grid. The feeder drive has a load control system to ensure continuous, uninterrupted crushing and an optional level sensor can be fitted to the jaw to control the feed rate to the crusher. The jaw crusher has an inlet opening of 1168mm by 762mm and is equipped with a hydraulic wedge adjustment to give operators total control of product size down to 50mm.

The 1219mm discharge conveyor can stockpile up to 3.5m and a dirt conveyor is standard on the machine. The crusher, which can also be equipped with a wireless remote control, has an output up to 445t/h.

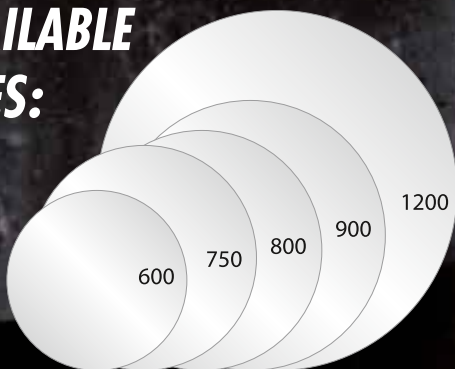
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## Atlas Copco on Indian flyover

In July 2010, work began on the double-decker Bharatratna JRD Tata flyover that will make a substantial contribution to reducing traffic congestion in the Pune area. India's deputy chief minister Ajit Pawar opened it in February. During the concreting phase of the project, equipment from Atlas Copco was used to give a smooth surface finish.

The flyover, costing EUR12.5M, was commissioned by the Pimpri Chinchwad Municipal Corporation and is located in Kasarwadi at the critical junction where the Pune-Nashik highway meets the Mumbai-Pune highway.

The contractor was Pune based B G Shirke Construction Technology. At the site, located close to Atlas Copco India's head office in Dapodi, Pune, B G Shirke used many products from Atlas Copco's light compaction and concrete equipment range in the concreting process. These included Vibrastar motor-in-head electric pokers, frequency converters, ER407B electric high-speed external vibrators,



and LP6500 walk-behind double drum rollers. "We use Atlas Copco light compaction and concrete equipment regularly. Atlas Copco is our first choice because they offer reliable, trouble-free equipment and good service support," said B G Shirke senior mechanical manager Nilesh Bhavsar.

"The Bharatratna JRD Tata flyover opens up major potential for new infrastructure projects to modernize the Pune landscape," said Atlas Copco India construction tools business line manager Vikas Sawhney. "Atlas Copco is proud to be associated with this project, which will make the lives of Pune citizens much easier with increased connectivity and reduced travel time."



## Scrap recycling with a Sennebogen 850 R Electro

Sennebogen's Dutch sales and service partner Kuiken delivered a new Sennebogen 850 R Electro at the beginning of 2014 to scrape recycling company Koster Metalen, which has specialized in processing ferrous and non-ferrous metals for 80 years. The family business handles approximately 450,000t/year, and has recently been relying on a new Sennebogen 850 Electro. The electric machine with 250kW was specially designed to meet the customer's requirements. With a reach of up to 21m and a 5m mask elevation, the materials handling machine covers an area of 1,400m<sup>2</sup>. The machine has a crawler undercarriage with 4.9m m track width. For the operator, the maXcab industry comfort cab, which can be variably adjusted in height by 2.7 m to over 10 m, offers an ideal view of the

### A new Sennebogen 850 R Special at Koster Metalen in Beverwijk.

mountains of scrap, and an ideal view into the scrap metal shears. Koster manager, Michel de Pagter, was convinced of the advantages offered by the electrically powered materials handling machine. "We anticipate lower operating costs and service costs, and a longer service life than comparable diesel machines can provide," said de Pagter. "We can handle minor maintenance tasks ourselves, thanks to the well-designed machine structure. For regular maintenance and spare parts supply we rely on the dependable service offered by Kuiken." Operator Freek van Stein has particular praise for the good overview from the elevated maXcab Industry cab. The inclined windshield and a set of surroundings cameras combined with the lighting package are very effective when charging the scrap metal shears.

# Double Dutch Brokk in Amsterdam



A 5 star hotel, built in 1880, with 468 rooms in the centre of Amsterdam required a major upgrade of the staff and personnel quarters in the basement. Precise planning was essential to get this project finished within a maximum of six weeks and with as little disruption as possible for the guests and the daily hotel procedures. The upgrade of the basement involved the removal of 430m<sup>2</sup> of 250mm thick reinforced concrete floors by hydraulic breakers. Most of the concrete and brick walls in the basement were to be cut out with wall saws using diamond blades up to 800mm diameter. Selections of holes with various diameters were drilled with diamond core bits in concrete columns and beams for additional reinforcement of the structures. Various challenging restrictions were involved on this jobsite:

- **Limited access opening to the basement area of only 800mm x 1500mm on a 45° ramp**
- **Low ceilings with electric cables, water, heating and sewer pipe work, which must remain in tact as it was active during the project**
- **Limited hours for use of breakers as tourist season was on and the hotel was almost fully booked**
- **Only electric equipment was to be used due to the fact that exhaust fumes were not allowed in the basement area for safety reasons**
- **Limited hours for transport of heavy loads from and to the hotel as it is located in central**

Due to all these restrictions the project was awarded to De Jong Betonboringen from Wormerveer ( [www.dejong-betonboringen.nl](http://www.dejong-betonboringen.nl) ). The company is specialises in non-standard and multi discipline jobs. De Jong Betonboringen started in 1965 and has a 50 year track record in concrete cutting and combines the use of diamond tools with remotely controlled demolition.

For this project the Dutch Brokk agent Adamas supplied a Brokk 100, which was used with the Brokk 160 from De Jong. The Brokk demolition robots were used in combination with a 1t electric excavator and a small track dumper to remove the rubble.

Project manager Nico Swart from De Jong Betonboringen is happy with the new Brokk 100 as its very compact dimensions and the

powerful SB152 hammer are ideal for high production rates in very tight areas. The Brokk duo from De Jong Betonboringen finished the challenging Amsterdam project within budget and time schedule.





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**Demolition and sorting grabs - DRG**



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**Railcutter - RC**





# Dico: A rising force in Benelux

*The diamond tooling business is not as easy and lucrative as it once was. There is tougher competition, lower prices lower and smaller profit margins, but, apparently, still appealing enough for new entrants. Belgium-based Dico is a rookie supplier of diamond consumables, carving out a niche for itself. Andrei Bushmarin reports.*

Eric Gilbau, DICO's CEO.



This year DICO moved into brand-new 500m<sup>2</sup> premises.



Eric Gilbau had been travelling the world for almost twenty years before he decided to settle down in the small town of Zaventem, near Brussels. Having found home, he started looking for a business to invest his energy and savings. One night in April 2010, Gilbau's friend Ely Van der Borgh suggested diamond tools, and the die was cast.

## All good things begin in a garage

Starting a diamond tooling company in 2010 was a sure investment and a labour intensive enterprise. To keep the costs down at the start-up stage, Gilbau followed the tradition of turning his garage into an office and an assembling line. For Dico, whose name means Diamond Company, the first two years were a real struggle. Diamond tools had long ceased to be anything extraordinary and, to make it on the well-saturated European market, a supplier had to come up with something

special. The solution arrived in the form of tools made by the patterned diamond technology Zensis. Developed by Korea-based Ehwa Diamond some years ago, the Zensis technology is being increasingly recognized worldwide by the virtue of the improved cutting and drilling performance it offers. Surprisingly, it was almost unheard of in Belgium at the time, and Gilbau seized his chance. He went to South Korea to meet with the EHWA management, and to learn about the technology. That meeting, which resulted in Dico being appointed the principle distributor of Zensis tools for Benelux, proved to be a turning point for Gilbau and his company.

## Change of fortune

Although it still took time and effort to convince Belgian

Left to right, Philip Gilbau, Eric Gilbau and Jean -Pierre Gilbau.







Above Philip Gilbau, production manager at DICO in front of one of the service cars.

The two brothers have a common hobby, motorbikes. Picture to the right shows Eric and Philip Gilbau with their Ducati bikes.

customers of Zensis' benefits, cooperation between Dico and Ehwa signalled a change in Gilbau's fortunes. Little by little, the Zensis brand was winning recognition, and 2013 proved to be a break through year for Dico. Having succeeded in Belgium, the company then ventured further afield into neighbouring Holland and France. Now Dico has a full stock of Zensis products, segments, core bits, diamond blades and wires, ready to be shipped to any destination in Benelux. Currently Dico's reputation, and its customer base, is growing mainly through word of mouth, but the supplier

does plan to start exhibiting at trade shows in the near future. A complete overhaul of the company's website is another immediate priority for Dico.

### A family affair

Dico is a family enterprise, which is a usual occurrence in the diamond tooling industry. What is unusual about Dico, is that the company has been established and is being led by one of the two sons, Eric Gilbau, not by their father Jean-Pierre. Traditionally, it works the other way around where a member of the older generation sets up a business, with the offspring picking up the reins when the founder retires. Gibau's brother Philip oversees production, while their father performs daily tasks like delivering orders to customers. However, in the small company of three, the chain of command as such does not exist and all have to multi-task.

This year saw a rapid growth in Dico sales, which allowed the company to move out of the garage and into a new 500m<sup>2</sup> premises. Dico is growing in terms of staff, too a new sales director will soon join the company. Gilbau believes that winning the industry's trust is most important for Dico at this stage, and that is exactly what the company is trying to achieve.

[www.dicodiamant.be](http://www.dicodiamant.be)



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# First Russian concrete cutting exhibition

The National Association of Concrete Drilling and Sawing in Russia has organized the first specialized exhibition of diamond technology in construction. It was held from 22 to 24 April. Main idea of exhibition was to popularize technology of concrete drilling and sawing in construction. For manufactures and distributors it was a unique opportunity to show new machinery and diamond tools. It is

planned for the exhibition to be held annually.

<b>Data and facts</b>	
<b>Total pavilion area</b>	800m <sup>2</sup>
<b>Exhibition area</b>	400m <sup>2</sup>
<b>Demonstration area</b>	100m <sup>2</sup>
<b>Number of exhibitors</b>	21
<b>Number of visitors</b>	402
<b>Demonstrations</b>	5
<b>Business programme (seminars)</b>	2
<b>Number of speakers</b>	10

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## New lighting towers from Chicago Pneumatic

Chicago Pneumatic has launched the new compact CPLT H5 portable light tower, featuring a hydraulic mast, which is fully CE compliant. "Heavy-duty construction means this compact unit is capable of performing in the most demanding environments," said Chicago Pneumatic light tower product marketing manager Sergio Salvador. "It's also incredibly easy to use, thanks to a hydraulic mast that provides for quick setup, and a special control panel that simplifies operation and maintenance. Plus, the inclusion of highly-efficient metal halide technology provides for superior lighting performance."

The CPLT H5 has a vertical mast that extends to 9m and rotates 340°, with hydraulic operation. The tower is powered by a Kubota engine and has four 1kW metal halide lamps, which require less power and provide for

with a digital control panel, called LC 1003, specifically designed for light towers with lamp sequencing. The LC 1003 controller allows operators to start lamps one by one, which helps avoid the risk of lamp failure and improves reliability. The inclusion of this independent control panel outside the main cubicle allows operators to start the machine without any contact with the engine. In addition, the CPLT H5 includes lamp failure detection and a weekly timer that can schedule up to eight lighting events. Other key features include an emergency stop, working mode selector, and IP67 outlet socket.

The CPLT H5, which is capable of operating for up to 55h without refuelling, is light and compact and easy to move on site. It has a heavy-duty canopy with easy access service doors. As an additional benefit a spillage free, frame design prevents oil, fluids and fuel from leaking out and contaminating the ground.

Options include an external 230V power input, photocell and re-

mote start, auto lamp shutdown to save fuel, and metal grounding bar.

The new CPLT H5 light tower represents a versatile portable lighting solution for contractors and is also ideal for use in public lighting applications, such as live sport and other night events, as well as emergency response situations.

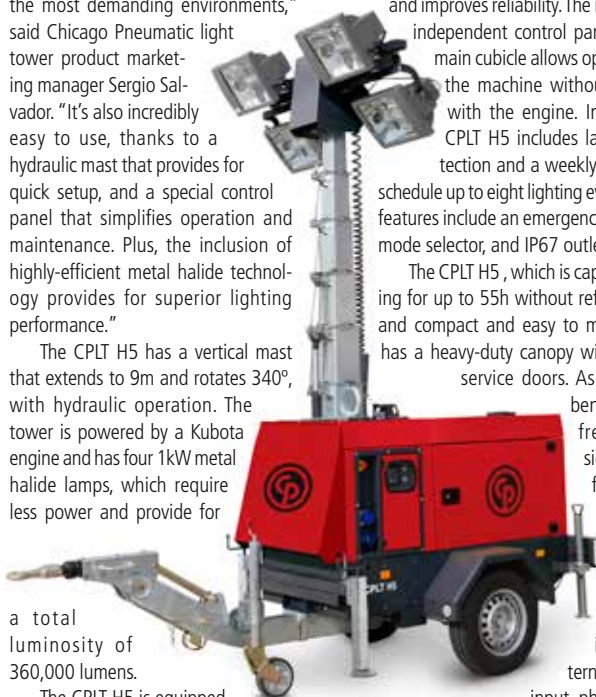
### New COLT M12

Chicago Pneumatic has launched a new CPLT M12 light tower, with a manual 9.45m mast, for the construction and portable lighting industry. The CPLT M12 light tower features four 1kW lamps capable of generating 440,000 lumens of lighting power. It is easy to use, service, and operate, and is extremely light and manoeuvrable, making it easy to move to a desired location on site.

"Whether you need portable light for work sites, night events or emergency response, the CPLT M12 light tower is the ideal solution, and delivers a robust and reliable way for operators to put light right where they need it," said Chicago Pneumatic light tower product marketing manager Sergio Salvador.

a total luminosity of 360,000 lumens.

The CPLT H5 is equipped





# **LATIN AMERICAN Concrete Cutting & DEMOLITION FORUM**

RIO DE JANEIRO  
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OCTOBER 1-2  
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***[www.latindemoforum.org](http://www.latindemoforum.org) - to be launched August, 25, 2014***



# Latin American Concrete Demolition Forum



The Latin American concrete cutting and demolition industry has shown steady growth during the last years. Product methods that earlier were not used at all or only to a limited extent have gained stronger acceptance in markets like Mexico, Brazil, Chile, Bolivia, Peru, Colombia, Argentina, and many others. Interest in these methods among Latin American contractors is growing quickly as well.

## A Unique Forum

In order to meet this demand and stimulate further growth in the region, the first-ever Latin American Concrete Cutting & Demolition Forum will take place at the Sheraton Rio Hotel and Resort in Rio de Janeiro, Brazil, October 1-2, 2015. This two-day seminar will feature a number of presentation topics

and roundtable discussions on current and emerging topics of particular interest to Latin America's concrete cutting and demolition contractors. Though the program for the Forum is still being finalized, here is a tentative list of topics:

- Remote Controlled Demolition – The Methods
- Heavy-Duty and Long-Reach Demolition Tool Carriers
- High-Cycle Concrete Sawing and Drilling Equipment – Lightweight, Fast and Efficient
- Hydraulic vs High-Cycle Concrete Cutting
- The Modern Diamond Tools – Cutting Performance, Life Safety, and Economy
- Efficient Removal of Different Floor Coatings – Methods and Brands
- The New Flooring Product - Concrete Floor Polishing in Theory and Practice
- Machines, Tools, and Chemicals for Concrete Floor Polishing
- Best Practices for Handling

## Dust and Concrete Slurry

- Recycling and Waste Handling – A Profitable Business: Crushing and Screening With the Latest Techniques
- Hydrodemolition: The “Sensual” Demolition Method for Sensitive Concrete Structures
- Presentations of Various Case Studies from Latin American Markets

Watch the Forum's website, [www.latindemoforum.org](http://www.latindemoforum.org), for schedule updates and additional information.

The Forum is being organized by S.C.O.P. AB of Sweden, publishers of the international demolition magazine PDi, and Riverbends Publishing LLC of the U.S., publishers of the North and South American magazine Professional Demolition Americas, PDA.

Trade associations supporting the event include:

- Brazilian Rental Association (ALEC)
- International Concrete Polishing & Staining Conference, ICPSC and





# Concrete Cutting & Demolition in Rio de Janeiro

2015



lition techniques, core drill systems, wall and wire saws, dust extraction and concrete slurry containment, and removal of concrete floor coatings. In addition, special concrete floor polishing seminars and polishing training classes will be carried out in cooperation with the International Concrete Polishing Institute.

## Website

All information about the Latin American Concrete Cutting & Demolition Forum 2015 you will find on the website [www.latindemoforum.org](http://www.latindemoforum.org), which is updated continuously. Visitors will find more information about the Forum's program, speakers, topics, methods, and products. Proposals for additional topics/presentations are also welcome and will be given due consideration for the program.

The website also provides portals for participating in the Forum, reserving exhibition space, and making travel and hotel arrangements. You will also find links to partners and supporters of the Forum, associations and exhibitors. The website will be officially launched August 25, 2014 (All payments are made via the website unless other arrangements are made with the organizers.)

## Sponsors

Latin American Demolition Forum 2015 offers a wide variety of sponsor packages for manufacturers, suppliers, contractors, and trade associations. Sponsorship levels include Exclusive Platinum Sponsor, Gold Sponsor, Silver Sponsor, Bronze Sponsor, Supporting Sponsor, Gala Dinner Sponsor, and Visit Rio de Janeiro Sponsor. More information and booking arrangements are available at [www.latindemoforum.org](http://www.latindemoforum.org).

Latin American Concrete Cutting & Demolition Forum 2015 truly has something for everyone. Make plans to join us in Rio de Janeiro on October 1-2, 2015, and be a part of an exciting event dedicated to an exciting industry.

Welcome!



- Concrete Polishing University
- Brazilian Association for Recycling of Construction and Demolition Waste (ABRECON)
- International Association of Concrete Drillers & Sawers (IACDS)
- European Demolition Association (EDA)

Pending decisions from the following associations:

- Brazilian Association of Technology for construction and mining (SOBRATEMA)
- US National Demolition Association, NDA
- US Concrete Sawing & Drilling Association, CSDA
- European Demolition Association, EDA

## Dedicated to the professionals

The Forum is dedicated to serving the interests of Latin America's concrete sawing and drilling, demolition, recycling and concrete floor grinding and polishing industries - contractors, manufacturers, suppliers, and trade associations. Its program is intended to inform, educate, stimulate discussion, and train in order to advance the professional and economic growth of the region's concrete cutting, demolition, and recycling sectors.

For manufacturers and distributors, the Forum is a perfect chance to meet a large number of professional contractors and also rental companies. It is a truly a unique and highly valuable networking and promotional opportunity.

## Marketing the Forum

Since May 2014, the Forum's organizers have

been working with the region's trade associations and others to raise awareness about the event through a variety of direct contact and media channels, including various Latin American trade magazines and news sites. The Forum will also be promoted at a number of trade exhibitions in North and South America.

## Languages

All information and promotional material will be available in Portuguese, Spanish, and English. During the Forum, all presentations and speeches will be simultaneously translated to/from these languages. Printed materials, presentations, and speech texts will also be available in the three main languages.

## Table-top Exposition

Concurrent with the forum, a table-top exposition will provide a venue for manufacturers, suppliers, associations, and contractors to promote their products or services. There will also be an outside demonstration and training area. Registration information for booths and table-top exposition space is available at [www.latindemoforum.org](http://www.latindemoforum.org). Website will be launched August, 25, 2014.

## Presentations and Hands-on Training

The Forum will offer a variety of useful and informative presentations on the advantages with various industry methods, products and tools, as well as extensive hands on training classes. Sessions include operation of remote controlled demolition robots, hydrodemo-



# ***Venue: Sheraton Rio Hotel & Resort, Rio de Janeiro, Brazil, October 1-2, 2015***



## **LATIN AMERICAN Concrete Cutting & DEMOLITION FORUM**

RIO DE JANEIRO  
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OCTOBER 1-2  
2015



**Organizers:**



### **Latin American Concrete Cutting & Demolition Forum 2015**

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SE-191 27 Sollentuna • Sweden  
Phone: +46 8 585 700 46

### **Latin American Concrete Cutting & Demolition Forum 2015**

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P.O. Box 552  
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### **Latin American Concrete Cutting & Demolition Forum 2015**

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São Paulo SP Brazil 01235-000  
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***E-mail the Forum: [info@latindemoforum.org](mailto:info@latindemoforum.org)***

**The Forum is currently supported by the following trade associations (more associations to be added shortly):**



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# on the Cutting Edge of C

**ICS Blount continues to add new dimensions to technology it helped create. PDi's Jim Parsons reports.**



**Terry Martin is now a member of ICS's leadership team**



**Bob Engel, ICS's Director of Marketing.**

The roar of demonstration saws that typically echo through the aisles of the World of Concrete show was augmented with a different kind of buzz this year, the announcement that Blount International's ICS diamond chain and concrete saw division had become the exclusive distributor of Pentruder concrete cutting systems in the Americas, including their high-cycle electric solutions

## A new dimension

The agreement with Sweden's Tractive and previous distributor Pentruder, immediately added a new dimension to ICS's products, and provided a new, high-profile platform for the already fast-growing high-cycle sawing and coring technology to reach an even broader market.

"We had many current ICS and Pentruder customers stop by our two booths at World of Concrete and comment that this agreement makes obvious sense," said ICS marketing director Bob Engel, who added that everyone involved is encouraged by the amount of sales activity experienced in the months following the announcement. "Both brands have established themselves as leaders in quality, performance, and innovation, and the Pentruder line is a perfect fit with the ICS pro line of blades, bits, and diamond chain solutions," said Engel. "And by combining both companies' direct sales and service expertise in the Americas, we can add more value to our customers' concrete cutting businesses. It really is an ideal arrangement and promising opportunity for everyone involved, but most importantly, for the people who buy and use our products."

## Innovative beginnings

Providing concrete contractors with reliable and efficient cutting solutions is not just a tradition at Portland, Oregon based ICS; it is the very reason the company, and its market exists. It was an entrepreneurial employee of Oregon Cutting Systems, parent company of Blount's wood saw manufacturing division, who discovered that the precision grinding qualities of diamond chains made them ideal for construction and demolition applications. That led to ICS patenting and launching its diamond chain technology in 1990 for cutting concrete and the shipment of its first concrete chainsaw two years later. Nearly a quarter of a century later, the diamond chainsaw is a mainstream product, with manufacturers around the world vying for customers' attention and investment. Yet despite the ever increasing competition, ICS holds the largest share of the world market with a full line of gas and hydraulically powered saws, and a broad range of diamond chain for applications ranging from reinforced concrete to brick and concrete block.

All chain products are manufactured at Blount facilities in North America. ICS makes two families of diamond chain in lengths of 254mm to 635 mm for different materials and user preferences. ProForce chain, built on the company's heavy-duty Force4 chassis, is designed for frequent professional use. TwinMax chain is designed for less demanding

general construction and lower-powered saws. Both include ICS's exclusive, patented SealPro O-ring technology that reduces chain stretch, ensuring that the chain chassis lasts as long as the diamond segments.

In 2013, ICS introduced the Proforce line of diamond blades and core bits for the North American market. "This line of products includes blades with varying bonds optimized for materials ranging from cured, green and asphalt, tile and refractory, among others," said Engel. "Offering this line of high-performance blades and bits has enabled us to provide a more complete solution for our professional concrete cutting customers."

Headlining the ICS line of chainsaws is the recently introduced ICS 890 hydraulic saw, the company's highest performance chainsaw for concrete, stone and masonry applications. "We made several important usability and serviceability improvements with the introduction of this new model, focused on the professional user," said Engel. "Combined with our Proforce line of diamond chain, this is the go-to product for demanding applications and use models."

The ICS 890's gas-powered counterpart is the ICS 695F4, which also utilizes the heavy-duty Force chain chassis versions with SealPro technology.

More innovations are on the way, thanks to a comprehensive product roadmap that spans all key product categories. For example, the launch and subsequent growth of the ICS PowerGrit line of diamond chain and its ability to cut ductile iron, cast iron, PVC, and HDPE pipe has opened up a whole new market in municipal and private contractor servicing of water and waste systems.

## Sharing the knowledge

Service and support for professional concrete cutters have likewise been a priority for ICS from its inception. Seven sales professionals cover US and Canadian contractors who need and expect an extremely high level of service and support. The US accounts for 70% of ICS sales, while an international sales and service network covers more than 70 countries, including North, Central, and South America. It's that kind of reach that Engel says will expand the reach of the Pentruder product line more than ever before. The former Pentruder president and owner Terry Martin, now a member of ICS's leadership team, said that more customers will understand and benefit from the performance advantages of the Pentruder family, while existing Pentruder users will receive the same high level of service, technical support, and replacement parts availability they have always enjoyed.

Another goal will be to help broaden the professional cutting market's awareness of high-cycle cutting's advantages. These advantages include smaller and lighter weight systems, high efficiency over the whole lifetime of the equipment, less input power required, less sensitivity to input power fluctuations, and avoidance of hydraulic oil.

Pentruder equipment can achieve higher production



# Concrete Cutting

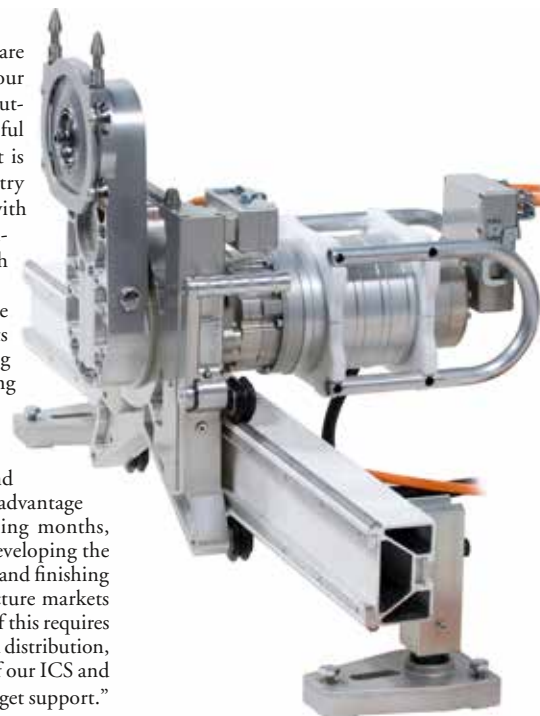
rates as well. For example, the MDU core drill NTGRA utilizes a brushless motor that runs on single or 3-phase power of 200V to 480V and delivers more power to the spindle than any other drill motor. "It effectively combines two or three different drill motor sizes and types in a single core drill," said Engel.

These advantages, plus the industry's overall desire for more environmentally friendly products and technologies, would seem to bode well for high-cycle's future. But Engel said that what is most important is that professional cutting contractors have the right combination of electric or hydraulic equipment and trained operators who know how to use the products safely, effectively, and economically. And ICS is committed to helping them achieve that ideal balance.

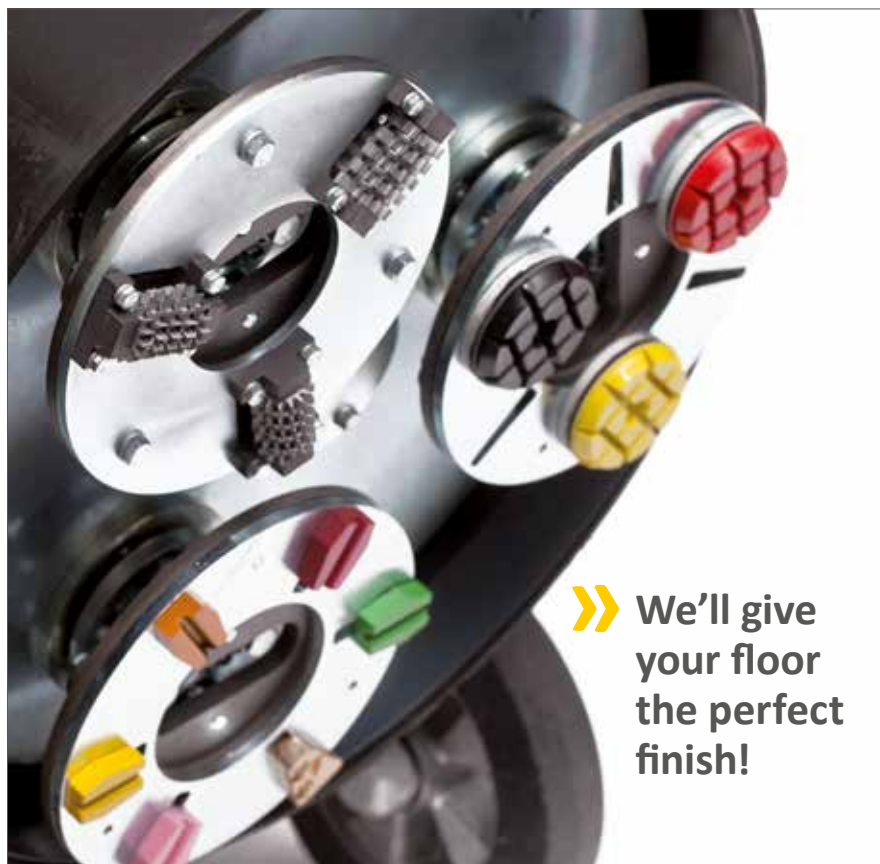
"Our direct sales team will enable ICS to continue providing the consultative sales and training/support that will

remain an important ingredient for success with both the ICS diamond chainsaw and Pentrunder cutting system lines," said Engel. "In addition, we are about to launch a comprehensive update on our ICS global websites that will give professional cutters and general contractors easier access to helpful product, support and application content." It is also essential for the professional cutting industry to position itself for the future, especially with trends pointing to continued growth in non-residential construction, especially in North America and Europe.

"ICS is actively involved with the Concrete Sawing and Drilling Association, and chairs its Training Committee, where we see a continuing need to ensure that this industry is providing the necessary levels of operator training and application knowledge," said Engel. And as those operators gain expertise, they will benefit from a continually evolving range of ICS and Pentrunder products that will help them take advantage of new business opportunities. "In the coming months, our major areas of focus will continue to be developing the product portfolio for our core concrete cutting and finishing markets, while expanding sales into infrastructure markets like water and waste systems," said Engel. "All of this requires continuing improvements in our marketing and distribution, so that customers understand the advantages of our ICS and Pentrunder solutions and find it easy to buy and get support."



remain an important ingredient for success with both the ICS diamond chainsaw and Pentrunder cutting



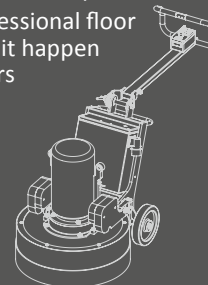
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# Dust suppression at Indianapolis airport demolition



In the US one of the largest specialist contracting and waste management firms in the Upper Midwest has completed the dismantling and removal of the Indianapolis International Airport's old passenger terminal, with the help of dust suppression in the demolition. The atomized misting unit helped the Veit Companies comply with the Airport Authority's mandate that no visible emissions were to leave the work zone of this surgical demolition project, while avoiding the expense and potential safety risk from having employees manually spray debris with fire hoses. Company officials estimate that the DustBoss DB-60 from Dust Control Technology could pay for itself in manpower savings in as little as a year, without factoring

in the improved safety and greater efficiency against competing designs.

Veit began the work in May 2013, selectively removing a complex that included four separate concourses and other structures on a 200-acre site. Structures were brought down in sections, using Cat 374 and Cat 349 excavators equipped with a variety of hydraulic attachments.

The project generated dust as the structures were brought down. "The teardown and processing of concrete and brick materials always release dust," said Veit demolition general superintendent Ryan Olson. Veit crushes and recycles all concrete on-site, with other materials separated to minimize landfill space and increase recycling rates.

## Delicate concrete cutting surgery in UK water reservoir

In the UK a drilling expert was thrown in at the deep end to find a way of accessing a reservoir without contaminating the water. The manager of D-Drill's North East branch, John Emberson, was called in by a contractor to find a way of cutting an opening through the 200mm thick roof of a concrete tank at a water treatment works in Northumbria. The water company wanted to send down an exploratory submarine into the tank to investigate the water, but it was vital that nothing dropped in during the concrete cutting. "It had been suggested that a stitch-drilling operation would be the best way to cut an opening into the tank," said Emberson.

"But once I assessed the job, I could see that there was too much of a risk that it could flake concrete from the underside of the slab and that would end up in the water. I decided that we could use a hydraulic handsaw to cut down within 50mm of the full thickness and collect the slurry as we went along. Then the final cut would be

made using a hydraulic ring saw because we could minimise any slurry due to the speed of cut.

"The main contractor put in place all water hygiene and cleanliness measures as well as the lifting equipment as the concrete slab was to be secured by an A-frame above the opening with chains and lifting eyes fixed to the slab before any cutting took place."

D-Drill carried out a trial run of the job on a different site witnessed by water authority inspectors who were satisfied with the result. The main contractor then employed D-Drill to carry out the cutting of three openings at the treatment works.

"We were delighted with the end result and was a testament to the expertise and professionalism of the team that we carried it through and the main contractor and the water company were happy with the result," said Emberson. "It is always satisfying when you have to come up with a solution to a unique problem and it then works so well."

On this project Veit knew that traditional manual spraying methods with a fire hose would not be sufficient, and the company researched a number of dust suppression options. "We've used different suppression systems from different manufacturers," said Olson. "We've rented equipment from Dust Control Technology on several of those occasions, and found that it out-performed anything else we've tried." Convinced of the effectiveness of the design, Veit decided to purchase a DB-60, one of the larger models from DCT, to have dust management readily available on this job and future projects.

"The greatest drawback to traditional manual spraying is droplet size," said DCT chief executive officer Edwin Peterson. "Manual spraying can have some benefit on ground level dust, but water droplets produced from hoses are simply far too large to produce any meaningful benefit in controlling airborne dust particles. They tend to saturate the targeted debris, often resulting in standing water that can create additional hazards or damage sensitive materials. The range of these techniques also tends to be quite limited, frequently requiring significant manpower and time to handle the hoses."

To manage fugitive particles from multiple dust-generating sites, Veit built a skid and mounted the DustBoss with a diesel-powered generator. "The skid allowed us to quickly relocate the generator and dust suppressor with a front loader whenever we needed to," said Olson, who reports it has far better control of dust-generating activities than with other methods, as well as significant labour savings by eliminating manual suppression efforts.



## Chicago Pneumatic breaker plays vital role in trenching project

A rig-mounted Chicago Pneumatic hydraulic breaker is playing a vital role in an ambitious trenching project to lay telecoms cables in India's Himachal Pradesh state, in the country's Himalayan region. Since choosing a Chicago Pneumatic RX8 breaker government A-class state contractor M/S Ravi Kumar S/O Deshraj has increased productivity by approximately 20-25% and is on course to complete the project within the specified time. At the start of this year M/S Ravi Kumar S/O Deshraj, based in Bilaspur, were commissioned by one of India's leading telecommunications providers to begin a trenching project to lay telecom cable wires across the whole of Himachal Pradesh state. Due to the substantial number of inhabitants in the area explosive blasting was ruled out, and the potential for traffic disruption resulting from the narrowness of the roads meant had to use a smaller 8t excavator, with an appropriately sized hydraulic breaker, to remove the rocks that would be frequently encountered. Ensuring the project finished on time was a key factor in the decision by M/S Ravi Kumar S/O Deshraj to choose a small CP hydraulic breaker. "Previously I had experienced issues relating to breakdowns and low productivity with the hydraulic breakers at my disposal," said M/S Ravi Kumar S/O Deshraj owner Ravi Kumar. "Therefore my aspiration to find a powerful small breaker with higher reliability and productivity became more intense when we were allotted this time sensitive project. My search ended when Chicago Pneumatic provided me with a visual demonstration of their small hydraulic breaker range. I was particularly impressed with the RX8 breaker and immediately placed an order so that I could deploy one as part of this project. After seeing the performance of the RX8 I am very confident that we will finish the job within the stipulated time frame and as a result improve our profitability owing to less breakdowns and increased productivity." With a service weight of 370 kg and an impact rate between 530 and 1000blows/min, the RX8 is a robust and durable light hydraulic breaker. With a proven design, which features few components and only two moving parts, it offers a high grade of reliability and, thanks to its recoil absorbing concept and polyurethane insulated breaker box system, is one of the quietest breakers on the market. Other innovative features include hybrid technology for higher impact energy, an internal control valve for higher efficiency and a power booster for higher performance. A central lubrication port makes the RX8 extremely easy to maintain.





## Centura Oil's ultra-high pressure waterjet technology

In the US Centura Oil, a Minnesota-based waterjet service contractor to the oil, gas and mining industries, has developed a unique downhole casing and pipe cutting system that can fit inside pipes as small as 51mm inside diameter and cut multiple layers of grouted casing in a single pass with a 3,800bar abrasive waterjet. Operable in hazardous environments, Centura Oil's CenJet 90 casing and pipe cutting system is designed especially for oil, gas and mining applications, including plug and abandon operations. Its cutting process does not exceed 60°C, minimizing the chance of ignition. The CenJet 90 is powered by a 55K PSI, 149kW Jet Edge waterjet intensifier pump and features a modified Jet Edge Permalign abrasivejet cutting head coupled to coiled steel tubing or conventional threaded rods. The system, which is capable of cutting 406 mm thick steel, is deployed into the pipe or casing and cuts from the inside. It can perform cuts up to 91m from the surface and can cut at any angle, horizontal, vertical and even overhead. The CenJet 90 uses 15litres of water and 450g of garnet abrasive/min. Garnet is a natural stone that can normally be disposed of in a landfill. The effluent created by the waterjet cutting process is circulated to the surface using formation water, treated water in strata prone to swelling, or nitrogen for an explosion-proof environment. The returns and cuttings are handled in accordance with industry standards. Centura Oil originally developed the CenJet 90 as an environmentally friendly downhole waterjet cutting system for stimulating oil and gas well production at depths of 1219 m. It modified the system for casing and pipe cutting for a recently completed project at a uranium mine. During this two and half year project, Centura Oil staff worked 640m underground and successfully cut hundreds of pipes and grouted casings at distances up to 100m, many at a 70° angle. Centura Oil's worldwide services include waterjet well recompletion and production enhancement, well plug and abandonment, and mobile waterjet cutting. The company also sells its CenJet 90 systems under a licensing agreement.



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# SILVER LINING FOR SAMOTER



***For four sunny days in May, Veronafiere played host to the 29th edition of Samoter. Unlike the weather, the business climate in Italy's construction industry is currently cloudy rather than sunny. But, as recent market surveys have shown, a silver lining is beginning to appear. Andrei Bushmarin reports***



According to the data unveiled by Italy's National Union of Construction Equipment and Attachments (Unacec) on the opening day of the show, the first quarter of the year saw a 20% increase in sales of construction machinery over the same period in 2013. It might be too early to call this growth a recovery, but many industry pundits tend to view it as an indication that the Italian market has finally bottomed out.

## **Better than expected**

This time Samoter was held in conjunction with Asphaltica, another show dedicated to road building technologies and machinery, which allowed the organizers to increase the attendance and expand exhibition space. The exhibition area of over 50,000m<sup>2</sup> housed 445 exhibitors from 28 countries. Reportedly, over 40,000 visitors from 55 countries turned up at Veronafiere, with France, Germany, Switzerland, the US, the UK, Russia, Slovenia, China, Brazil and Spain accounting for most of the foreign attendance. This came as a pleasant surprise for many, given that in the months preceding the show, expectations had run so low that some exhibitors even cancelled their bookings. In these circumstances, co-scheduling Samoter and Asphaltica was a move that saved the day for both the organizers and exhibitors.

## **Samep Tools satisfied but cautious about the future**

The Turin based manufacturer of tools and spare parts for hydraulic breakers Samep Tools expressed satisfaction with the visitor turnout and the level of organization. Sabrina Longobardo, the company's export manager, said that the number of visitors was higher than she anticipated, given the change in dates.

Despite the downsizing, Samoter still enjoys the reputation of Italy's premier construction show, which keeps drawing in



domestic and international guests. Longobardo's colleague, marketing manager Paolo Reale, agreed but preached caution about Samoter's potential. According to Reale, trade shows like this are becoming too much 'B2B' affairs and, if the organizers want Samoter to remain attractive to the industry, a certain amount of reinvention would be welcome.

## **New international leads for Sea Technology**

Sea Technology, the Italian manufacturer of cutting and drilling equipment and diamond consumables, used Samoter to debut its latest machines. Despite the weakness of the domestic





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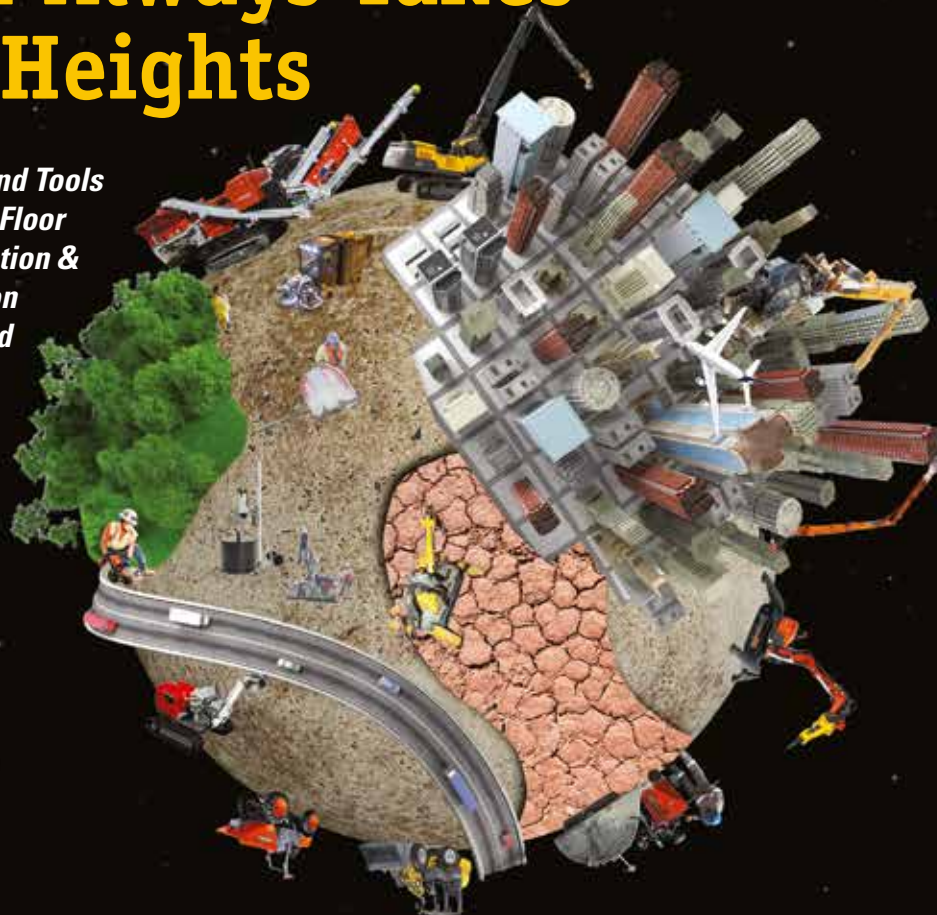
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market in the last few years, the company never stopped expanding its product range. Among the novelties presented in Verona were the plate compactor Seaplate, the new floor saw Scafloor 500 and the rig-mounted drilling system Seacore 250.

According to the manufacturer, the new machines attracted a lot of attention from domestic and foreign visitors, with companies from Africa, Asia and northern Europe expressing their interest in representing Sea Technology in their countries.

Despite being probably the only manufacturer of diamond tools that exhibited in Verona, the company has no regrets about being there. It was the international aspect of Samoter that influenced its decision to participate and, fortunately, the show lived up to the company's expectations. A host of new contacts were made with not just European companies, but also with ones from developing economies like Nigeria, Morocco, Ghana, Egypt and Ethiopia.

#### **Innovation awards for MB Crusher and Mantovani Benne**

On the opening day of the show, six winners of the Samoter International Innovation Award were announced. Out of the six, two companies are established names in the demolition and recycling industry. Vicenza-based manufacturer of crushing and screening buckets, MB, got a special mention: "For the determination to continue investing in the crushing field, especially through innovations, particularly in the small crusher bucket sector allowing on-site re-use material even in small urban building yards, thereby helping to safeguard the environment within the wider perspective of the new era of sustainable buildings and the green economy."



Another winner was Mantovani Benne MBI the manufacturer of excavator attachments for demolition and recycling applications, whose production facilities were all but destroyed by the 2012 earthquake in Emilia Region. During the crisis, MBI showed a lot of courage and stamina, which allowed the company to regain quickly its place among the industry's top-flight players.

#### **Simex's new screening bucket draws attention**

In the run-up to Samoter, the mood in the Simex camp had been less than upbeat. There was no guessing what the attendance would be, so the company was pleasantly surprised to see a steady flow of Italian and foreign visitors to its booth. Simex's range consists of 11 product groups comprising 62 models, but the biggest draw at Samoter was the new screening bucket VSE.

First unveiled at Bauma, it is getting increasingly popular with domestic and international users. One of the VSE's greatest benefits is the possibility to change the size of the output material without having to perform complicated mechanical procedures. Thanks to a patented hydraulic control system, the operator can vary the distance between the screening elements, and, therefore, the output size between 15 and 45mm directly from the cabin. The bucket's drums feature rhomboidal elements with discs of varying diameter. The discs rotate at a different speed, increasing the rotational spin of the material being screened, which results in a higher output.

#### **Idromeccanica Ramtec launches new breaker range and a compactor model**

With 25 years' experience of exhibiting at Samoter, Idromeccanica Ramtec is a show veteran. Having been with Samoter through thick and thin, the Molfetta-based manufacturer of hydraulic breakers and spare parts was satisfied with its 29th edition. The company is also upbeat about the prospects of the Italian market. The market has stabilised, believes Idromecca-



nica, and the situation will be improving in the coming years.

At Samoter, Idromeccanica Ramtec showcased three new breaker models, the RT 90, weighing 85kg, which comes complete with a special wood-chipping device and suitable for 0.2t to 2.5t mini-excavators, the RT 250 at 240kg for 3.5t to 7t backhoe loaders, and the RT 1400 at 1.4t for 19t to 25t carriers.

Also new from Idromeccanica Ramtec, is the M series of breakers capable of withstanding back pressures, which makes them suitable for the latest generation of excavators. Alongside the breakers, the company showed the new hydraulic compactor CR20, equipped with a special post-driving device. With this new model, Idromeccanica has extended its range of compactors to three, covering the range of carrier machines from 1t to 20t.

### Hinowa unveils new TX2500 transporter

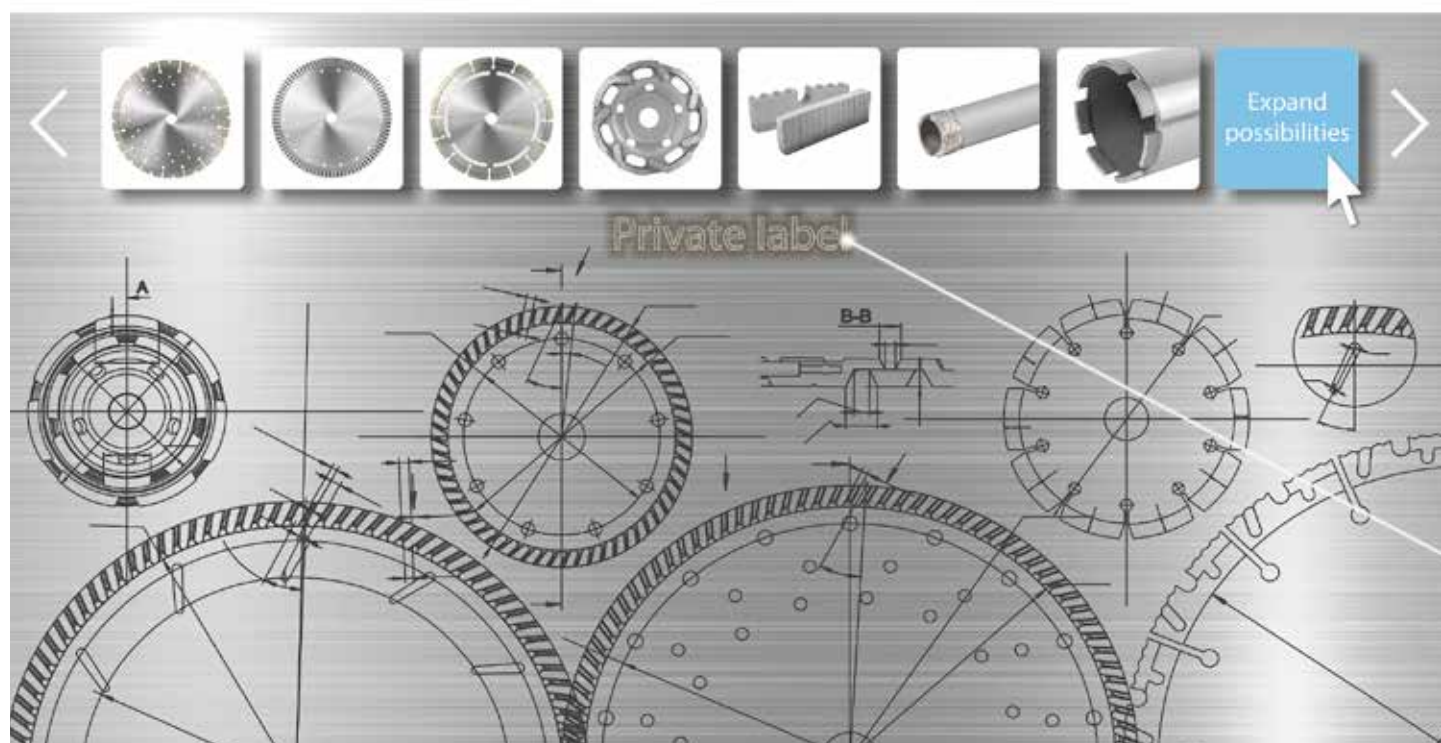
Hinowa, the manufacturer of compact loading and earth-moving machinery from Verona, used Samoter to launch a new transporter model, the TX2500, which can handle any type of soil. It is powered by a Kubota four-cylinder diesel engine, featuring a large tank and liquid cooling. It has a loading capacity of 2.5t and comes complete with a 180° hydraulic rotation system and a body tilting mechanism. The special rubber tracks, with floating rollers, allow for a maximum speed of 12km/h. The 180° rotatable seat provides for optimum visibility. The machine features an intuitive control panel and allows for easy access to service points.



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# The Latest in D

**Proper dust collection and air filtration are important and are getting more and more attention in many work places to maintain environmental and health for the work force involved, not least on demolition sites. PDi reviews the latest dust extraction, wet vacs and air cleaning equipment. Mikael Karlsson reports.**

The Italian manufacturer Klindex has introduced Supervak 300, which is the largest of the Supervak vacuums series. The new line of Supervak dust collectors has been designed to handle huge quantity of dust powders without any interruption for the filter blinding. The twin in-series pre-separator cyclones greatly reduce the servicing activities of the filters and extend their life. Its power allows huge continuous airflow and heavy-duty operations.

**Klindex is introducing Supervak 300, which is the largest of the Supervak vacuums series.**

## Filter cleaning at a definite time during operation

The Supervak 300 is suitable for stationary and mobile use on lines of production or industrial installations. It is engineered to aspirate very fine dust and available with the automatic self cleaning filters or self-cleaning filter versions. The new ASC series are the only vacuums, thanks to a timer connected to the vibration and contra blowing patented system, that clean the filter at a definite time, automatically, allowing continuous operation without stopping. In the SC series operation is possible by a simple lever to automatically clean the filters without removing them. The RX version is equipped with a wireless remote control to power on or off the vacuum cleaner. It also has a device that automatically corrects the rotation of the motors. HEPA filters are included.

## New dust collectors from Superabrasive

The Bulgarian diamond tooling and equipment manufacturer Superabrasive has added a new fleet of commercial vacuums to its Lavina line, designed specifically for use with Lavina grinding and polishing machines. This is the first vacuum fleet introduced by Su-

perabrasive. The most notable feature of the Lavina vacuum line is its unique pneumatic jet filter cleaning system. It is a fully automatic, hands free system that utilises a compressor for continuous filter cleaning during use. The system is available on the larger V-25L and V-32 models. All other models, designed for smaller jobs, feature an upgraded manual cleaning brush system that allows operators to efficiently clean filters, also during use, with one quick turn of a handle.

With efficiency a top priority, there is never a need to slow or halt workflow for filter cleaning. Additional benefits include large filters with surface areas up to 8m<sup>2</sup>. Longopac bagging systems that provide continuous bagging for easy dust disposal and optional HEPA filters.

Lavina vacuums offer a full range of options, with models designed for use with the smallest edge grinder V-16, to the largest 810mm Lavina 32R-S V-32.

**Klindex's new ASC series are the only vacuums in the world that, thanks to a timer connected to the vibration and contra blowing patented system clean the filter at a definite time.**



**Blastrac BDC-44 – 4 high quality cartridge filter.**



**Blastrac BDC-66 – 6 high quality cartridge filter.**



# Dust Extraction

A wide range of power and airflow allows operators to select a vacuum that is most appropriate for their machine and workload. Two Lavina pre-separator models are also available which are the VS-25 and VS-32. A system of aptly named part numbers simplifies the process of pairing Lavina vacuums with Lavina machines.



## New Blastrac Dust Collectors

Blastrac has developed a new range of dust collectors,



the BDC-44 – 4 high quality cartridge filter, BDC-66 – 6 high quality cartridge filter and BDC-99 – 9 high quality cartridge filter.

There are a number of elements these dust collectors have in common. They are heavy-duty dust collection systems that combine power, efficiency, safety, and productivity all into one machine. They are very manoeuvrable and easy to transport and easy to maintain. They can all have an optional HEPA filter and are easily connected with other Blastrac machines.

## Ruwac's new Compact-Vac

Ruwac from US recently launched the vacuum series Compact-Vac. It offers continuous duty operation point of source extraction with highly efficient filtered separation that makes removing fine dust easier than ever. This vacuum series has a low-profile design that can be placed just about anywhere in a facility

## Superabrasive's new Lavina line.

that is increasing in some markets, and we will shortly present the news," said HTC marketing coordinator Mats Tikkanen.



Ruwac's new vacuum series Compact-Vac.



Blastrac BDC-99 – 9 high quality cartridge filter.

or shop. The Compact-Vac also collects fine dust and particles into a metal container for quick and clean collection while boasting an efficient filtration system with extended options such as HEPA. It provides a sanitary solution for re-use without the worries of cross-contamination. The Compact-Vac also uses VPK Series vacuum that perform at the ultimate level and is capable of handling multiple operators and long lengths of hose. Each VPK vacuum producer is equipped with a totally enclosed fan cooled continuous duty motor and mounted on a stand to ensure stability. An automatic relief valve protects the vacuum system from overheating if airflow is stopped due to blockage. Ruwac engineers each VPK system to include a custom silencer to diffuse air and suppress sound without interfering with the performance of the system.

## HTC asbestos management

HTC from Sweden has added three different dust extractors, which are the basis for the manufacturer's new suction programme. These are the HTC 80 iD with pre-separator and can be ordered with remote control, the Greyline series HTC GL 25 D and 35 D and HTC GL PS, which is a compact pre-separator.

"We can also reveal that we are working on exciting projects within the asbestos management with, for example, the HTC 80 iD. Asbestos removal is something



HTC is working on new projects in asbestos management with the HTC 80 iD and other machines.



# IACDS and EDA

# JOINED FORCES *in Madrid*

**The International Association for Concrete Sawers and Drillers and European Demolition Association merged their annual meetings under the title Deconstruction Forum. The meeting in June, gathered over 200 delegates from Europe and many other countries, and took place in Madrid, Spain.**

The EDA secretariat headed by José Blanco was responsible for the joint forum. The programme started on 12 June and was divided in visits to the SRR Recycling and recovery Reade Fair 2015 in Madrid and a visit to a jobsite where extensive interior demolition was underway. Late afternoon on the first day the EDA board of directors held their meeting and general assembly. In the evening EDA president Pilar de la Cruz held a cocktail reception sponsored by Italian crushing bucket manufacturer MB Crusher. In parallel IACDS held their annual meeting.

## A comprehensive programme

Friday the 13 June contained four sessions in total. The first session, moderated by Pilar de la Cruz, contained



The delegates of the IACDS annual meeting 2014.



EDA board of directors 2014.

presentations about the risks with handling lead presented by the US demolition association's executive director Michael Taylor. Walter Werner made a presentation on demolishing a 770m long bridge in Germany and the first session ended with ERM's Lindsay Pepperell speaking about daily findings on decontamination of

hazardous waste. The president of the UK Institute of Demolition Engineers Steve Jack moderated the second session. Geert Cuperus from FIR in the Netherlands explained the development of construction and demolition waste recycling in Europe. The president of Spanish demolition contractor Detecsa Francisco Cobo





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presented an interior demolition project of a building complex in Madrid, Spain. Rainer Meltzer from Germany then followed with the presentation of a case study of the implosion of the AFE Tower in Frankfurt. After lunch the conference continued with the third session, moderated by EDA delegate Giorgio Bressi from FIR in Italy. Christopher Sykes, the lobbyist from Construction Products Europe in Brussels, Belgium talked over the subject 'Sustainability and end-of-life of construction products.' Second speaker in this session was Gunther Wolff from the European Commission addressing the way forward for construction and demolition waste management in the EU. Stine Egsgaard, from Danish company J-Jensen continued with presenting a new decontamination method for PCBs.

The third session finished with a talk by John Rimmer from UK firm Cantillon presenting a case story about construction to recycling through demolition. The last session of the day was moderated by IACDS president Lars Sandström and started with a presentation of Miguel Ángel Prieto from Dyr/ Detecsa in Spain explaining the dismantling and demolition of the power station of Sant Adrià de Besós and Badalona. Tamer Öztoygur from Imder followed talking about the current situation of the Turkish construction demolition market. The last session of the day finished with a case story by Jaime Peribanez from Spanish company Perfox involving concrete sawing and drilling techniques. The day ended with a gala dinner at the Madrid Casino complex.

## Strong supplier backup

The joint meeting was organised in partnership between EDA, IACDS, Decontamination Institute, F.I.R. and the IDE. The Deconstruction Forum was a satellite event of the official Green Week organised by The European Commission D.G. Environment.

Special sponsors of the event were Ritchie Bros Auctioneers and MB Crusher from Italy, manufacturer of crushing buckets. Gold sponsors of the event were Tyrolit, Liebherr, Arden Equipment, Hilti and ICS. There were also a small exposition next to the conference and sponsors of the event were among the exhibitors. Additional exhibitors were Atlas Copco, Lehnhoff, SMH, Trevi Benne, NPK, Deconta, Husqvarna, Demarec, Anzeve, Dehaco and Fraco. A number of trade journals exhibited including PDi Magazine.







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# (E)MISSIONS

# ACCOMPLISHED

***Satisfying new emissions standards is just one of many objectives equipment manufacturers have achieved with the latest mini- and compact excavators. Jim Parsons reports***

You can always count on smiles from manufacturers' representatives at industry trade shows like Bauma, Conexpo, and World of Concrete. Naturally, they want to put their most genial and welcoming face to prospective buyers. But this year there is also a measure of pride behind their smiles, as most equipment manufacturers have successfully completed an intense five-year effort to upgrade their engines to US EPA Tier 4/ EU Stage IV emissions standards ahead of next year's deadline.

Anyone who owns a business can appreciate what it takes to undertake such a major transformation. Though several technology options may be available, it takes time to weigh the pros and cons of each one before any choice can be made. What is more, construction and demolition machines are systems. A new engine may be easily substituted, but how does it affect the operation and performance of other components? What new maintenance requirements will be involved, and will they present an extra burden on users? That the manufacturers have successfully researched, tested, and implemented their Tier 4/Stage IV solutions in a relatively short time is something to be proud of, even if the process was necessary, and, no doubt, expensive, in order to continue doing business in the world's key markets. But engine emissions are not the only thing that manufacturers have been working on. They have gone to great lengths to improve the overall performance and practicality of their machines, from better operator ergonomics to zero tail swing models that compress the operational footprint and enhance jobsite safety. Longer

lasting machine components and added power provide greater value for contractor investment. The added up-front costs that may arise from upgraded emissions systems and other features pale when compared with the many extra hours of reliable performance and reduced upkeep requirements these new machines offer.

So yes, the smiles that manufacturers representatives wear when talking about their mini and compact excavators are justified and well earned. Even better, though, is that once a purchase decision is made and the machines are rolled out to the jobsite, the contractors will be smiling too.

## **Wacker Neuson expands its compact excavator series**

Wacker Neuson introduces the EZ 17, a new 1.75t compact excavator that delivers excellent power and manoeuvrability. The EZ 17 is Wacker Neuson's smallest zero tail model, combining a compact footprint, expandable undercarriage, and two speed drive for maximum manoeuvrability and accessibility. The EZ 17 has a maximum digging depth of 2.5m and a breakout force of 5.7kN. This new excavator can access hard-to-reach areas, while the expandable undercarriage is adjustable from 990mm to 1,295mm. Once the machine is in working position, the undercarriage can expand to provide additional stability and lifting capacity. The EZ 17 is powered by a Tier 4 Final, 12.8kW Yanmar diesel engine that offers excellent power, fuel economy and quiet operation. The two speed drive allows the





**HTC ad**



machine to travel up to 4.7km/h. The machine also features a load-sensing hydraulic system for smoother operation and improved performance when using multiple functions. This system can deliver full power even with fine movements, yet is also more efficient. The operator's station sets new standards for reducing operator fatigue and increasing productivity. Even with its compact structure, there is plenty of legroom to complement the easy-to-reach controls arranged for intuitive operation. The EZ 17 also features an ISO or SAE pattern control, depending on the operator's preference. As with all Wacker Neuson excavators, the EZ 17 is designed and built with quality components that contribute to the machine's long life. An innovative cooling system allows the unit to work at full load in temperatures up to 45°C, and also ensures a low temperature level that significantly increases the life of individual components. Routine maintenance is also made easy with claimed best-in-class service access.

## Also from Wacker Neuson, a new generation excavator

Wacker Neuson is also offering a new 2t excavator the ET 20, with a maximum digging depth of 2.7m and breakout force of 5.7kN. The redesigned cab sets new standards for the operator's complete comfort for a fatigue-free workday. It starts with a unique double door design that allows the operator to enter or exit the machine from either side. The integrated details in the operator's station include plenty of legroom, simple control layout, and an excellent 360° visibility. The



claimed unique four position front window makes it easy to ventilate the cab. For added versatility, a control pattern changeover is conveniently located inside the cab. The ET 20 is powered by a Tier 4 Final Yanmar diesel engine that delivers 12.8kW at 2,200 revs/min. Also enhancing production is the telescopic undercarriage that can be extended from 990mm to 1,295mm, allowing for greater lifting power and stability.

## Sany introduces its first compact excavators

Sany America has expanded its hydraulic excavator line with the addition of its first two compact models, the short tail swing Sany SY16C and the zero tail swing Sany SY35U. Both compact excavators were among the new and upgraded Sany machines at the company's Conexpo exhibit. Both excavators feature Tier 4-certified Yanmar engines and multi-functional attachment operation. The SY16C has an operating weight of 1.75t, maximum dig depth of 2.36m, and bucket breakout force of 15.2kN. The SY35U has an operating weight of 3.78t, maximum dig depth of 3.1m, and bucket breakout force of 30.4kN. The SY35U features a zero tail swing design and an enclosed cab includes standard air conditioning and heating. The SY16C excavator offers a short tail swing design and has a hydraulically extendable undercarriage. An open ROPS/FOPS operator compartment provides protection and visibility.

Various bucket sizes and styles, as well as other popular hydraulically powered attachments, are available for each excavator. Both models feature a hydraulically controlled dozer blade for backfilling trenches, and light grading. Positioning of hydraulic lines along the outside surfaces of the boom and arm facilitates easy service and quick coupling of hydraulic attachments for both models. Load sensing hydraulics boost fuel economy and productivity and both models offer two-speed travel.

## Bobcat ME32i and E35i excavators feature increased fuel efficiency and instrumentation enhancements

Bobcat has released two new Tier 4 excavators, the E32i and E35i, which feature increased fuel efficiency and a new instrumentation system that presents operators with many of the functions, aesthetics and visibility they have come to enjoy with Bobcat loaders. The E32i and E35i have been designed as additional offerings in the 3t class of compact excavators. The E32i and E35i are appealing options for rental customers and first-time equipment buyers. These two 18.5kW excavators feature a direct-injection, 1.7litre, naturally aspirated diesel engine that provides exceptional fuel economy while maintaining performance expectations for buyers

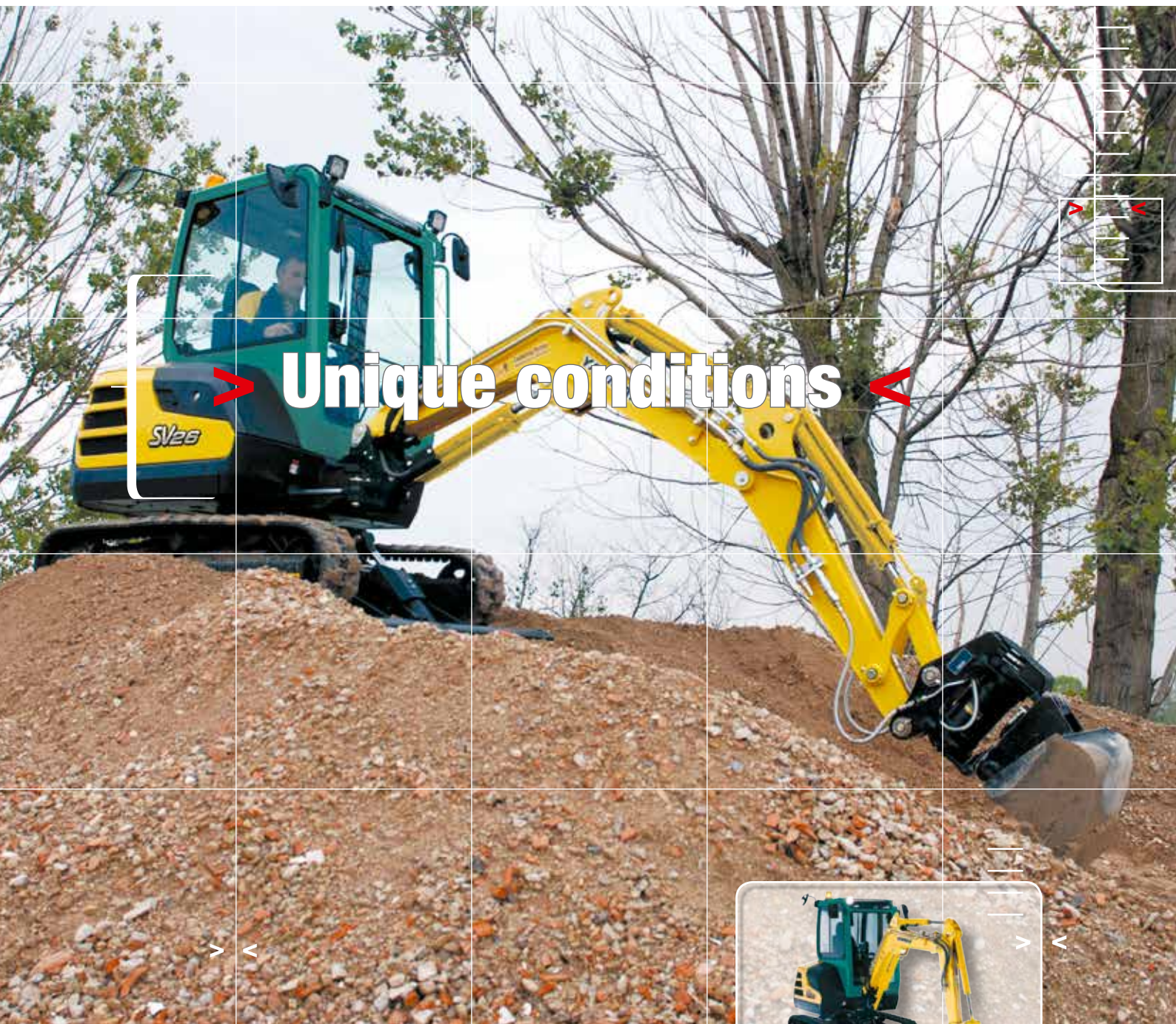
in this excavator class.

The E32i conventional tail swing model and the E35i zero tail swing excavator are ideal for operating in confined areas. Additionally, these M-Series machines will provide exceptional fuel efficiency to reduce operating costs, up to an 8% decrease in fuel consumption, when operating in the machine's Eco Mode.

Both excavators can be equipped with the optional extendable arm providing additional reach beyond the standard arm, and allows for the use of a hydraulic clamp, not possible with any other compact excavator extendable arm on the market. The clamp capability is an ideal solution for contractors wanting to pick and place material. A new forward-mount instrumentation system is being introduced with the E32i and E35i. The forward location allows operators to maintain awareness of machine functions without losing focus on the task at hand. From the operator's viewpoint, the location of the panel also aligns with the existing cab components and work group structures to maintain visibility to the attachment. An available deluxe instrumentation panel includes an integrated keyless start system that provides for one assignable owner code, and up to eight operator codes. The deluxe panel also provides an Eco mode setting, access to fuel consumption data, attachment operating tips and detailed engine and hydraulic systems information. The M-Series excavator's optional deluxe instrumentation panel features multi-lingual functionality, similar to other Bobcat products. Like all M-Series excavators, these new Tier 4-compliant models feature convenient fingertip activated control of the boom swing function and auxiliary hydraulic circuits. Features such as auto-idle throttle and auto-shift travel are standard equipment for the new excavators. Auto-idle throttle contributes to reduced fuel consumption and easier communication between the operator and workers. The excavator will automatically idle the engine when the machine functions are not used for approximately four seconds. Auto-shift travel automatically shifts the machine out of high range without having to manually downshift. A total of 13 Bobcat attachments can help these two versatile machines do more than dig. They include augers, breakers, plate compactors, grading buckets, trenchers and rippers. The X-Change attachment mounting system, standard on most M Series models, increases productivity because it allows the operator to quickly change attachments as jobsite requirements change. Another option is the Hydraulic X-Change system, which allows operators to change buckets without even leaving the seat of the excavator. Additionally, the X-Change system's unique design maintains optimum pin-on bucket geometry to ensure arm and bucket forces are not compromised.







**Unique conditions**



## call for Yanmar solutions

Already well-known in Europe with 7 existing models, the SV series from Yanmar expands with a new mini-excavator in the 2.5 – 3 to. weight class. With its transport weight of 2600 kg and its compact dimensions, the new Yanmar SV26 mini-excavator can be easily transported. It also offers an excellent productivity thanks to the optimal combination of its digging forces and work cycles (travelling, traction, swing...).





## Technical specifications

	E32i	E35i
Tail swing	Conventional	Zero
Operating weight (kg)	3,258	3,387
Engine (kW)	18.5	18.5
Dig depth (m)	3.1	3.1
Reach at ground level (m)	4.9	5.2
Bucket digging force (kN)	30.9	30.9

### Kubota KX040-4 compact excavator with the 6-in-1 dozer blade

Kubota's hydraulic 6-in-1 blade compact excavator is all about productivity. With a simple movement of the dozer lever, Kubota's hydraulic 6-in-1 blade can be angled to the right or left to push soil to the side as the machine moves forward, eliminating the need for repetitive repositioning at right angles when backfilling trenches. The blade's capacity is increased almost 0.57m<sup>3</sup> over the standard blade. The 6-in-1 blade angles at 25° to help spoil slide off, improving backfilling time by as much as 35%. And with the tilt function, contractors can shape foundation edges for runoff, then come in and complete the slopes. The 1.8m wide blade stretches across the entire machine width, even when tilted. It can be tilted 10° right or left, allowing the operator to dig ditches easily when tilted on a flat surface. To keep the spoil out of the space between the blade and the tracks, the 6-in-1 blade is wider and extends past the track width by 51mm on each side. The 6-in-1 blade enhances productivity and blade up, down, and float functions are the same as the previous model. In addition a rocker switch on top of the blade control can tilt the blade 10° up or down and simply twist the control handle to angle the blade 25° left or right.



### Volvo small-wonder ECR25D short swing radius excavator gets up close and personal

The ECR25D compact 2.5t excavator from Volvo Construction Equipment achieves greater breakout and tearout forces than the 2.8t ECR28 excavator it replaces. Heavy loads are easily managed, while superior control and balance keep the machine surefooted in any situation. This versatile machine is ideal for any application requiring small excavators. For more demanding operations, the machine can be equipped with an additional counterweight. The compact dimensions of the ECR25D also make transportation easy. Total transport weight, including three buckets, a hydraulic breaker and small trailer, is 3.5t. The ECR25D is powered by a Tier 4i-certified, 15.6 kW engine. An optional auto-idling system, which reduces engine speed when controls are inactive for more than five seconds, further enhances fuel efficiency. The hydraulic system boosts productivity and enhances digging performance. A flow-sharing main control valve offers fast cycle times, while a load sensing, variable displacement piston pump delivers flow on demand. Though small, the ECR25D leads its class in cab size and ergonomics. The access area is large, so operators can get in and out easily without bumping controls, and a flat, uncluttered floor offers ample foot space. An adjustable seat, ergonomic armrests, and ideally positioned controls facilitate intuitive operation.

The machine can be positioned quickly and easily, as slew and offset movements are controlled simultaneously by a proportional roller and joystick. Large, hydraulic travel pedals provide the operator accurate control, while an automatic, two-speed travel function allows the machine to downshift when more

effort is required. Low speed mode can be enabled at the flip of a switch for sensitive operations. Excellent visibility is provided to the blade, digging equipment, and tracks. Whether equipped with a cab or canopy, three-point entry and roll over protection are standard. The ECR25D compact excavator is also easy to service and maintain. All checkpoints are accessible at ground level and grouped under a wide-opening, lockable hood. Greasing is at 50h intervals. A patented multi-function hydraulic oil filter/filler improves protection of the hydraulic system and provides early detection of oil pollutants. The ECR25D is available with several packages, along with options such as long arm for enhanced working range or additional rear counterweight to better handle heavy attachments. Work tools can be installed thanks to the optional attachment carrier, along with an extensive range of Volvo attachments. The optional Volvo CareTrack remote telematics system provides information needed to optimise performance and maximise uptime, including geo-fence, geo-tracking, an engine on/off status monitor, and hourly-based work reports.

## Technical specifications

	ECR25D
Operating weight (t)	2.49
Max. power, gross (kW)	15.6
Breakout force, ISO (kN)	20.3
Tearout force, IOS (kN)	
	Short arm 17.3
	Long arm 14.7
Max. digging reach (m)	
	Short arm 4.48
	Long arm 4.77
Max. digging depth (m)	
	Short arm 2.67
	Long arm 2.96

### Mustang's 450Z NXT2 zero-tail swing compact excavator

The all-new Mustang 450Z NXT2 zero tail swing compact excavator brings efficient performance to the market. This new model incorporates innovative features that enhance productivity, operator comfort, efficiency, and cost savings. The 450Z NXT2 compact excavator includes many upgrades from the previous 450Z model. It is equipped with a 28.1kW electronically controlled Yanmar Tier 4 emissions certified diesel engine that provides up to 20% less fuel consumption than the previous 450Z model, and features an electronic throttle for precise control. Two other cost saving features include ECO mode and auto deceleration. When activated by the flip of a switch inside the cab, ECO mode will reduce the engine speed by 10% without sacrificing power. Utilising ECO mode will save fuel when full speed is not necessary. Auto deceleration mode improves fuel economy, lowers noise and reduces emissions by decreasing the engine speed to idle after four seconds without hydraulic movement. Multiple improvements have also been made to the operator's compartment. Controls have been improved to include a proportional auxiliary hydraulic rocker switch, which enhances attachment options. This allows operators to adjust the hydraulic flow for optimum attachment performance. Operators can select standard ISO or an optional backhoe control pattern with a turn of a lever.

An integrated digital display features recordable maintenance history with adjustable time intervals and reminders. The display unit also records hours used for the past 90 days and can be monitored without start-





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deceleration. When activated by the flip of a switch inside the cab, ECO mode will reduce the engine speed by 10% without sacrificing power, saving fuel when full speed is not necessary. Auto deceleration mode improves fuel economy, lowers noise level, and reduces emissions by decreasing the engine speed to idle after four seconds without hydraulic movement. To address productivity, the controls on the Z45 GEN:2 have been improved to include a proportional auxiliary hydraulic rocker switch, which enhances attachment options. This allows operators to adjust the hydraulic flow for optimum attachment performance. Operators can select standard ISO or an optional backhoe control pattern with a turn of a lever. An integrated digital display features recordable maintenance history with adjustable time intervals and reminders. The display unit also records



ing the engine. The operator's compartment has been enlarged and redesigned. A four way adjustable seat offers custom height, weight and backrest positions with a retractable belt. An optional cab enclosure, with heat or heat/air-conditioning systems is available.

#### Technical specifications

	450Z NXT2
Weight (kg)	4,725
Canopy model	4,905
Cab model	4,905
Net Power (kW)	28.1
Digging depth (m)	3.5
Width (m)	1.9

### Gehl Z45 GEN:2 brings efficient performance in a state-of-the-art package

Gehl's new Z45 GEN:2 compact excavator incorporates a variety of innovative features that enhance productivity, operator comfort, efficiency and cost savings, as well as many upgrades from Gehl's previous Z45 model. The new Z45 GEN:2 is equipped with a 28.1kW Yanmar Tier IV emissions certified diesel engine that consumes up to 20% less fuel than the previous Z45 model, and features an electronic throttle for precise control. Two other cost-saving features include ECO mode and auto

hours used for the past 90 days and can be monitored without starting the engine.

The operator's compartment has been enlarged and redesigned and a four way adjustable seat offers custom height, weight and backrest positions with a retractable belt. An optional cab enclosure, with heat or heat/air-conditioning systems is available. Serviceability on the Z45 GEN:2 has been improved over the previous model. Tool-free access is made possible by large doors on the back and right side of the machine. These compartments reveal the entire engine and daily maintenance points. Removing the cab floor panels and kick plates, and tipping the seat back reveals the starter, alternator, fuses, control module, and control valve. A left-side front panel reveals the control pattern selector and the left-side rear panel is a lockable toolbox for operator necessities. Features that carry over from the previous model include the Power-a-Tach hydraulic quick coupler, which allows attachment changes by the flip of a switch inside the cab. The operator leaves the seat only to engage and disengage the safety pin.

Other performance features include a boom with sliding cylinder guards, and the hydraulic system with two variable and two gear pumps for simultaneous

operation without loss of power. A hydraulic thumb attachment option further enhances versatility.

#### Technical specifications

	Z45 GEN:2
Weight (kg)	Canopy 4,725 Cab 4,905
Digging depth (m)	3.55
Net power (kW)	28.1
Width (m)	1.9
Bucket breakout (kg)	2,947

### Kobelco's mini-excavators

The Kobelco mini-excavator line includes four models with operating weights between 1.67t and 5t. These compact units include the Kobelco SK17SR, SK27SR, SK35SR, and SK55SRX, which were on display at Conexpo. Kobelco minis can be loaded onto a truck for fast and easy transport. Each model comes with a blade as standard equipment. Minimal rear swing radius and zero tail overhang makes for safe and easy operation in confined spaces with excellent side-ditch digging performance. This size class machine is ideal for small landscape and construction jobs, as well as utility work. Additional counterweights are available for more demanding jobs. The new SK55SRX model is the first mini offered with Kobelco's patented iNDr noise reduction system. The iNDr technology provides noise reduction and minimises exhaust temperatures for increased operator comfort and safety.

### Also from Kobelco— Short Rear Swing excavators

Kobelco's innovation is seen in its short rear swing excavators. The company was the first to understand the need of providing outstanding performance in tight spaces. In response came the development of its popular series of SR machines. There are currently six models in the Kobelco line of short rear swing excavators, including their SK75SR, SK85CS, SK140SRLC, ED160 blade runner, SK230SRLC and SK260SRLC models ranging from 7.7t to 26.9t operating weight. Kobelco's iNDr cooling system is in all models in this series.

Next -3E enhancement, economy and environment comprise the company's approach to lower fuel consumption, maximising work on site, while making every gallon of fuel go further. The new ECO mode in selected models creates even greater fuel savings. Large fuel tanks combined with enhanced fuel efficiency and an automatic acceleration/deceleration function, allows for longer hours of continuous operation and greater productivity. The exclusive proportional acceleration brings the engine speed back up in direct proportion to operator demand and is controlled by the operator's joystick movement.

### The Terex TC29 compact crawler excavator

The 17kW Terex TC29 compact crawler excavator has







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an offset boom with built-in swing that provides excellent visibility and multi-width excavation and parallel to wall operation. This unit has a 1.4m dozer blade that is independently controlled from the track drive. Smooth, simultaneous machine operation is achieved on the TC29 due to its axial piston, variable displacement hydraulic pump and motor design. Weighing in at 2.93t, the TC29 achieves a maximum dig depth of 6m and a maximum reach of 5m. The unit's bucket capacity ranges from .04m<sup>3</sup> to .13m<sup>3</sup>.

#### 50G and 60G strengthen John Deere compact excavator line

The John Deere 50G and 60G compact excavators, the newest models to join the G-Series line, feature a wide variety of improvements in visibility, operator comfort and productivity. These new models are suited for the rental, commercial/residential building, landscaping, underground, and site development segments. The 50G 26.8kW and 60G 39.6kW are fitted with a DOC/DPF after treatment device to meet the Final Tier 4 emissions requirements. The FT4 design is based on John Deere's IT4 strategy that has a track record of reliability. Both models incorporate the auto-idle feature that slows engine speed when the pilot control levers are momentarily released for reduced fuel consumption and noise. One of the biggest additions to both models is a new door to the left hand side of the machine. The door widens the size of the opening for entering the cab. Within the operator station, a new multifunction monitor provides a coolant temperature and fuel gauge, clock, two trip meters, regeneration inhibit, auto shut down control, and machine hours among the many functions. John Deere has added a third service door to the 50G and

60G to improve access to the cooling core. The cores were also positioned side-by-side, rather than being stacked inline, for increased cooling performance. Similar to all G-Series models, they include unique features such as an oil-impregnated boom, and arm and bucket bushings. Attachments and options also strengthen John Deere's excavator s. These models can be equipped with an optional hydraulically adjustable angled backfilling blade that features 25° of adjustment to both the left and right. In addition, a standard coupler accommodates a wide variety of available attachments, such as hydraulic breakers and augers. Rubber and steel tracks and steel tracks with rubber pads are all available.

#### Doosan DX63 and DX85R excavators

The new Tier 4-compliant Doosan DX63-3 and DX85R-3 excavators have been upgraded providing operators with higher-precision controls, greater force and overall enhanced productivity. Comprehensive improvements to both the 6.3t DX63-3 compact conventional tail swing excavator and the 8.5t Doosan DX85R-3 reduced tail swing excavator include a blade float, multi-function joysticks, colour instrumentation panel, auto-shift drive system, and standard rubber tracks. Offering more muscle than its predecessor, the DX63-3 has a power of 44.3kW, equal to the DX85R-3. Their Tier 4-compliant diesel engines have a high-pressure common rail fuel injection system, diesel oxidation catalyst, and a diesel particulate filter. The DX63-3 has an operating weight of 6.25t, while the DX85R-3 has an operating weight of 8.6t and an overall width of 2.3m. Compared with the previous DX60R, the DX63-3's upper structure is shifted rearward on the undercarriage to increase efficiency. The DX63-3's

292mm of tail swing overhang provides best-in-class over-the-side lifting performance, without increasing the machine's overall weight. This additional tail swing also improves the DX63-3's slew performance when working on side slopes. It can dig to a depth of 4.1m.

The DX63-3's hydraulic system delivers 7,819N of arm force, while bucket force has increased to 13,193N. In contrast, the DX85R-3's minimal 147mm of tail overhang allows it to work in tight spaces and dig to a depth of 4.7m. The DX85R-3's bucket force has increased 18% over its predecessor to 19,671N and arm force is 10,940N.

The blade float feature, available for the first time on Doosan excavators in this size class, provides operators the versatility to smoothly grade, level or backfill material. This means operators can use just one machine to excavate and fill material, and the excavator's standard rubber track undercarriage minimises disruption to existing surfaces. The DX63-3's blade height has been increased by 21% to 409mm over the previous DX60R model. Both new Doosan excavators come standard with auto-shift travel, which shifts the excavator out of high or low range and back automatically. Operators receive superb travel performance without having to manually downshift. Auto-shift increases travel performance on demand, allowing operators to focus on the direction and speed.

Both the DX63-3 and DX85R-3 excavators incorporate fingertip boom swing and auxiliary hydraulics functions. This improves multi-function capabilities and also gives operators more floor space. Independent boom swing control on the joysticks allows operators to more easily position the work group for offset digging. Selectable auxiliary flow rates and the detent mode allow for more precise attachment performance. A new multi-language, colour panel resembles the instrumentation on Doosan's larger excavators, and provides a quick visual of machine functions. Operators can select auxiliary hydraulic flow modes and rates from the panel. For increased security, an integrated password protection system may be used to help prevent theft. New boom cylinder guards provide both excavators improved protection, guarding the boom cylinder when the excavator is digging. Integrated into the undercarriage are four tie-down points to simplify trailer loading for transport. Extended grease intervals on the machines' work groups minimise maintenance requirements.

#### Technical specifications

	DX63-3	DX85R-3
Operating weight (kg)	6,250	18,960
Power (kW)	44.3	44.3
Tail-swing overhang (mm)	292	147.3
Max dig depth (m)	4.1	4.7
Bucket digging force (kN)	13.1	19.6



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## NDA launches new website

In the US the National Demolition Association has launched a new website [www.demolitionassociation.com](http://www.demolitionassociation.com) with improved features, streamlined content, and mobile-response design that allows the same site to be accessed from desktop, tablet or mobile phone. Website visitors will find clear visual navigation cues to help quickly scan for what they need, assuring that no information is more than three clicks away.

"The new NDA website was designed with NDA members and the many publics we serve in mind," said NDA member services director Kim Wieland. "In the development phase, we worked with our members to learn what was most important to them. The goal was to make the site convenient to use, as well as a reflection of NDA's role as the global source of all things demolition."

NDA members now can enter the website through a members only portal giving access to information not available to the general public and is integrated into the main website.

The homepage now includes weekly updates of industry news, a link to the NDA Blog to keep members and the public updated on regulatory and compliance issues, and the latest on safety, environmental and business topics. The NDA Twitter feed from @NDAMakingWay is now prominently displayed on the left side of the landing page as well as all internal pages, delivering the news as it happens.

A quick find online directory of NDA members and associate members and their specialized skills found on the NDA homepage can direct visitors to members and suppliers. The directory can be tailored to searches in particular states or according to the services or products needed. In addition, the Quick Find tab located at the top of each page allows NDA members to gain access to a state regulation resource locator and to find concrete and asphalt crushing facility, construction and demolition Landfill, and mixed construction and demolition waste processors by state.

"We view the many enhancements and additions to the website as a key member service for those companies which belong to our organization," said Wieland. "The goal is to let various stakeholders such as municipalities, commercial real estate developers, or government regulators easily find the information they are looking for about the industry, the NDA and our membership."

Full information is now posted for NDA's educational webinars on a variety of topics, with registration forms included. And as part of the website redesign, more information and resources are now available on industry topics that include disaster response, environmental stewardship and community development.

## NDA Convention in Nashville

In the US the National Demolition Association's 42nd Annual Convention & Expo will be held at the Gaylord Opryland Resort and Convention Center in Nashville, Tennessee on 21 to 24 March 2015.

The Convention provides four days of educational offerings, networking and access to the largest demolition Expo in the world. "Each year, we gather professionals from all segments of the demolition industry, including demolition and general contractors, materials producers, as well as government regulators and institution leaders," said NDA executive director Michael Taylor.

Exhibitors or sponsors interested in more information should contact the association at [info@demolitionassociation.com](mailto:info@demolitionassociation.com).

## CSDA Roundtables Offer Great Insight

In the US the Concrete Sawing and Drilling Association has released the proceedings from two roundtable discussions held during the CSDA 2014 Convention and Tech Fair. The two topics discussed were Recruiting and Retaining Qualified Employees and The Benefits of Automating

Your Processes. The proceedings from these roundtables have been transcribed and are now available to download through the Members section of the CSDA Website, while an excerpt from one of the sessions is available to all on the CSDA homepage, [www.csda.org](http://www.csda.org).

As is the case in many industries, concrete cutting, polishing and imaging contractors are finding it increasingly difficult to not only find qualified employees, but also to retain them. Many young people do not view construction jobs as desirable or are unaware of the range of jobs available in the concrete renovation industry. The Recruiting and Retaining Qualified Employees roundtable encouraged discussion about successful hiring practices and what methods contractors have found effective for employee retention. Delegates shared information about some of the latest methods they had used and reinforced that some of the tried-and-tested ways still apply.

Automating any business process, be it in the field, shop or office, reduces employee involvement in mundane or routine tasks and allows people to concentrate on other pressing business matters. Proper office automation allows a few people to do the job of many, so delegates of The Benefits of Automating Your Processes discussed the possibilities and practicalities of this concept. Conversations revolved around why automation is beneficial and how some business owners are using automation and technology to make their lives simpler.

The release of these proceedings allows other business owners to benefit from the wisdom shared, and any member can take advantage of the information provided to improve their company. CSDA currently has 27 roundtable transcripts on a wide range of topics, all available to download in PDF format. Transcripts are available on the CSDA Website.

## CSDA updates website

In the US the Concrete Sawing and Drilling Association has relaunched its website [www.csda.org](http://www.csda.org) with new features for

members and industry specifiers.

The updated site offers enhanced discussion forums, individual login accounts for member employees and the option to form social or professional networking groups. Specifiers of concrete cutting, polishing and imaging also have new resources, designed to educate them about the techniques employed by CSDA members. CSDA staff now have advanced tools and capabilities to further assist the membership.

CSDA's online discussion forums have been one of the most popular features on the website, and now participants have the opportunity to format their posts and attach extra content. Whether an industry professional wants to sell used equipment or discuss details of a current job, they now have the means to post photos or upload video footage of the work.

It has long been the association's goal to give operators and other employees from CSDA member companies the opportunity to access members-only content on its website, in addition to the official member representative and/or business owner. Now, all company employees can obtain login credentials and access this information.

Social media websites have become the preferred method of communication for many people around the world. In addition to CSDA's Facebook page, the association can now offer a form of social media through its website. Those with login credentials have the chance to build their own profiles, interact with others and hold conversations through specified groups.

"Since the first CSDA website was launched in 2002, there have been periodic changes to the look of the site and an occasional new feature added. This latest update, however, represents a major change in how the website operates for members and staff," said CSDA executive director Patrick O'Brien. "With each passing year, online communities are growing. CSDA wants to provide the latest web-based tools and features so that concrete cutting, polishing and imaging professionals have a valuable online resource and a platform that encourages communication between them."







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