

international construction

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bauma 2016
stop press

The Maeda CC1485 mini crane will be on display

The MK1033C is still narrow enough to fit through a standard doorway and weighs less than 2 tonnes. It has a capacity just below 1 tonne, a maximum working height of nearly 11.5 m and maximum working radius of almost 10 m. Each outrigger can be placed in seven horizontal positions and six outrigger length positions.

The basic model has a diesel engine and comes with a fixed crane hook on the end of the boom to reduce the distance between the top of the boom and the hook (headroom). There is an optional winch and additional options available include power from a petrol engine or a dual fuel petrol or LPG engine, or a 380 to 400 V electric motor.

The updated Maeda CC1485 will also be on display. It has a Stage IIIB engine and claims to be up to 40% more fuel efficient, Kranlyft said. Features of this more compact model include a fully enclosed air conditioned cab, minimal tail swing, two-speed winch, four-fall and two-fall hook block.

BÜCKER MASCHINENWERKE will showcase a range of new equipment including the compact AK 37/4000 truck-mounted crane. The crane boasts a maximum extension length of 3 m and a load capacity of up to 4 tonnes.

And the AK 46/6000 is an aluminium truck-mounted crane that can reach up to 46 m, and carry 250 kg to 39.3 m. The manufacturer said it would also present new trailer-mounted cranes in the form of the AHK 30/1500 KS (capacities up to 1 tonne) and AHK 36/2400 (capacities up to 24 tonnes).

BKL Baukran Logistik will present a new generation of quick assembly cranes from BKL System Cattaneo in the 28 and 33 m categories.

CM 280 and CM 8254 bottom slewing cranes incorporate steerable high speed axles for better manoeuvrability. The CM 280, claimed to be one of the highest performance cranes in the 28 m category, lifts 2.5 tonnes to 12.1 m. The CM 8254 lifts 4 tonnes. It has a maximum hook height of 21 m and lifts a 1 tonne load at jib end. The machine has a space requirement of just 5.1 by 5.1 m and, like all BKL models, has a frequency-controlled 4-stage lifting mechanism.

BKL's high-speed axle, meanwhile, is now also available in steerable variants. It will be presented at Bauma with the CM 271 mobile 27 m self erecting crane but is also available for the stationary cranes in BKL System Cattaneo as a semi-trailer version. The 80 km/h axle is self-steering during road use and, during shunting

Soilmec's new 120 HD crawler crane, available with both Tier 4 and Tier 3 engines

operations, can be electro-hydraulically steered via the crane's remote control unit.

BKL Baukran Logistik will exhibit with top-slewing crane partner Linden Comansa of Spain on a joint stand.

SOILMEC will present two new duty cycle crawler crane models – the SC-120 HD and the SC-50 HD, which, the company said, complete the development of the new product range started at the previous Bauma in 2013. These models are said to combine heavy-duty performance with the ability to be easily set up in several working configurations, including diaphragm wall grab, hydraulic rotary, pile driving, dragline, clamshell and dynamic compaction. The SC crawler cranes are available in both Tier 4 and Tier 3 engine versions.

Crushing, screening & demolition

RAMTEC's updated Robi MM Multimaster screening bucket series will be on show at Bauma – the series includes five models that are designed for screening, separating, mixing and composting.

The company said the machine could be equipped with standard, soil, peat or compost axles. As a carrier, the customer can choose a 10 to 45 tonne excavator or a wheeled loader of 6 to 19 tonnes.

The updated range is said to feature a number of improvements. The frame has been redesigned, and there are cleaning combs to keep the axles clean, which Ramtec said would improve overall productivity.

Also, the Robi MM104 with updated features will be launched, as will a rotating pulveriser, the RP32R.

KOBELCO will showcase its new SK400DLC-9 high reach demolition excavator at the show. The company plans to follow this with test marketing during the rest of the year before putting the product on sale in Europe in 2017.

Features include a boom connection ensuring quick disassembly and reassembly; side-mounted attachment piping which is accessible from the ground; reduced height of ultra-long attachments when collapsed for transportation; and improved structure fatigue strength.

The new CK Combi Kit multi-purpose attachment from **VTN EUROPE** claimed to offer a base unit with the ability to interchange between five different jaw set options in under five minutes for demolition applications.

The body is manufactured entirely from Hardox steel with the main frame boasting 360° rotation, a low excavator adaptor plate, internal rotation solution and reverse position cylinder.

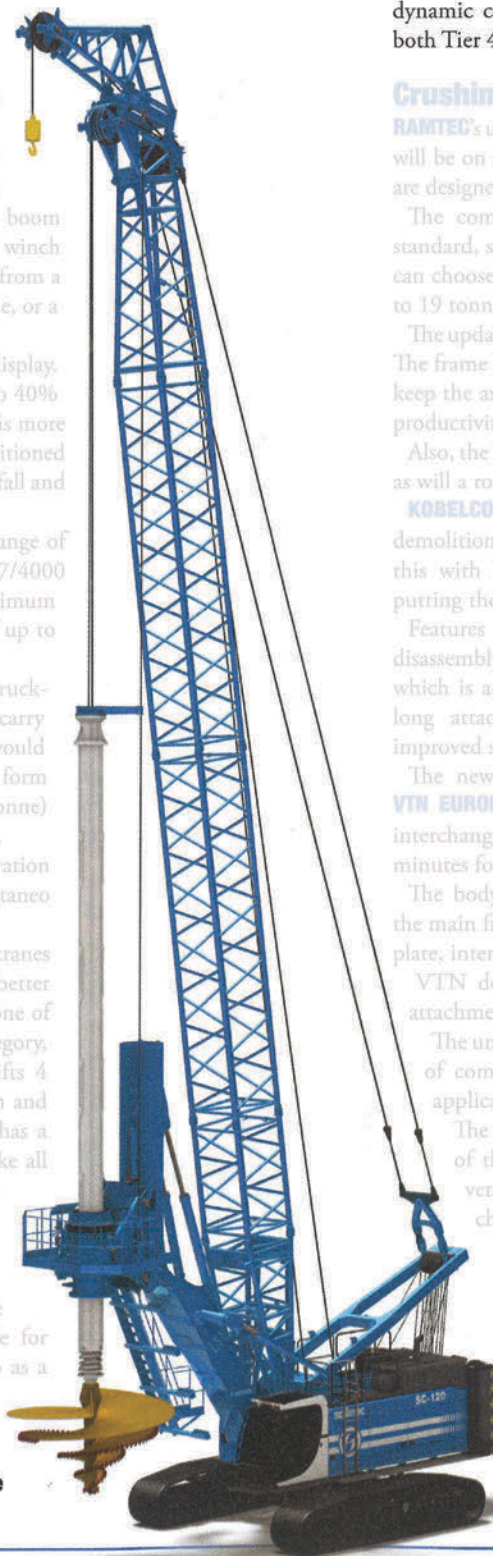
VTN described it as a fresh new approach to demolition attachments.

The unit will complement projects where there are a number of complex requirements and is described as suitable for applications in primary, secondary and selective demolition.

The CK combi kit offers the same strength and durability of the VTN FP dedicated concrete pulveriser with the versatility of immediate jaw changes. The quick jaw change system works with a two-pin rotation using a specially designed set of keys. The system is described as quick, efficient and safe.

Jaw sets that complement the new body are demolition, crusher, steel, demolition and steel, and combi jaws.

The product is available in two models. These are the CK21 attachment weighing 1,224 kg suitable for 18 to 27 tonne machines, and the CK28, a 1,555 kg attachment for machines from 26 to 35 tonnes.



HIGHLIGHTS

ASIA Mexican building materials company Cemex has agreed to divest its operations in Bangladesh and Thailand, selling to Siam City Cement Public Company for a fee of around US\$ 53 million. Cemex will use the proceeds to reduce debt and for general corporate purposes.

SWEDEN Skanska has divested its Peruvian operations to a subsidiary owned by Confipetrol Group, in a deal worth SEK 210 million (US\$ 25 million). Skanska Peru was the last part of the former Skanska Latin America business to be divested.

US Caterpillar will discontinue production of its on-highway vocational trucks, some eight months after ending its collaboration with Navistar International. It said the decision was based on the current business climate in the truck industry and a thorough evaluation of the business.

FRANCE LafargeHolcim's fourth quarter results were affected by challenges in various markets, most notably Brazil, Switzerland, China, Indonesia, Zambia, Nigeria and Azerbaijan, but the group said it was making "significant progress" with its integration of the two companies. It added that it expected demand in its markets to grow 2 to 4% during 2016.

NETHERLANDS Boskalis Westminster is set to acquire the offshore activities of fellow Dutch contractor VolkerWessels, VBMS, Stemat and VSI (Volker Stevin International). VBMS, a 50:50 Boskalis-VolkerWessels joint venture, is claimed to be the European market leader in offshore cable installation, with a strong market position and well-filled order book. Annual revenues of the businesses is some € 200 million (US\$ 220 million).

US Spanish engineering company Ferrovial has won the contract to design and build a 35 km section of high-speed railway line in the Central Valley, California, US. The contract is worth US\$ 442 million, which includes US\$ 107 million for the relocation of gas, power and communications networks. The line, between Wasko and Shafter, forms part of the link's 161 km central section.

BRAZIL

Marcelo Odebrecht given 19 years

Jail term for former CEO of Latin America's largest contractor following Petrobras bribery scandal

The judge presiding over the Petrobras embezzlement probe dubbed Operation Car Wash, has sentenced former Odebrecht CEO Marcelo Odebrecht to over 19 years in prison for his part in the scandal.

Mr Odebrecht, 47, who has been behind bars since last June, was, until December last year, CEO of Odebrecht SA, Latin America's largest construction company.

He was convicted of paying more than US\$ 30 million in bribes to officials from the energy corporation Petrobras, in exchange for contracts.

Operation Car Wash has already seen the arrest and investigation of dozens of executives and politicians, on charges including bribery, overcharging for contracts and siphoning money to pay for electoral campaigns. There have been a number of other convictions for CEOs of large contractors.

In addition, former Brazilian president Luiz Inacio Lula da Silva has been questioned by police as part of the fraud inquiry, although he was later released without charge, while Peru's President Ollanta Humala has also been embroiled in the scandal, after a leaked document found that Brazilian police suspected him of taking US\$ 3 million in bribes from Odebrecht.

IRAQ

Trevi in dam repair mission

Italian contractor Trevi has been awarded a € 273 million (US\$ 298 million) contract to repair Iraq's largest dam, said to be in imminent danger of catastrophic collapse.

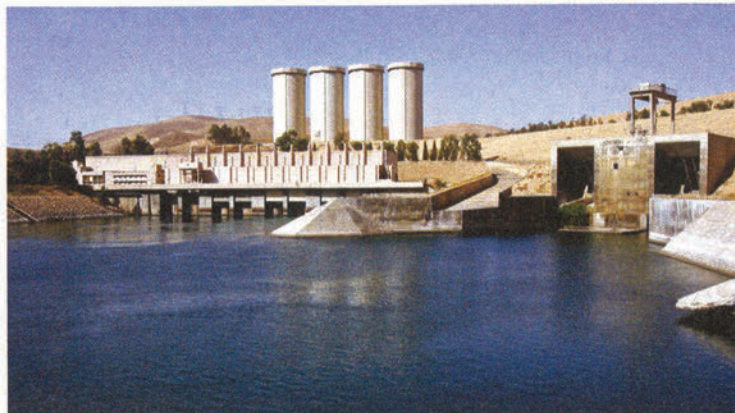
The Mosul dam came to the world's attention last year, when it briefly fell under the control of Islamic State (Isis) and had to be recaptured by Iraqi and Kurdish forces, aided by US jets, bombers and drones.

Up to that point, the 30-year-old dam – already recognised as having been built on an unstable foundation – had been maintained

by 300 people, working around the clock in shifts to shore up its construction flaws.

Following the Isis incursion over a year ago, there has been virtually no maintenance work carried out on the dam's structure or its machinery.

Engineers have reported that the dam's compromised structure is struggling to cope with rapidly increasing pressure from the Tigris waters, as high levels of melting winter snow enter the reservoir. Moreover, sluice gates that would normally ease the pressure are currently jammed shut.



BRAZIL

Naval base

State-owned China National Electronics Imports and Exports Corporation (CEIEC) has been awarded a US\$ 100 million contract to build a new Antarctic research station for the Brazilian navy.

Brazil's original Comandante Ferraz Antarctic Station was destroyed in a fire in 2012.

The new 5,000 m² base, able to accommodate 64 people and incorporating 18 laboratories, has been designed by Chilean company Studio 41, winner of an international design competition in 2013.

CEIEC will also build a heliport and the solar panels and wind turbines that will power the station.

The announcement of the contract came as Chinese Premier Li Keqiang continued a week-long Latin American visit.

While there, the Chinese leader met with Brazilian President Dilma Rousseff and the pair reportedly signed 35 contracts with a value of US\$ 53 billion.

Reports say that one agreement was for US\$ 7 billion of financial aid for Petrobras.