

WELCOME TO THE DIGITAL ISSUE



Thank you for downloading this electronic version of *International Cranes & Specialized Transport*. It is identical to the printed publication, cover-to-cover, editorial and advertising, but it is now all on your computer screen.

THE DIGITAL ISSUE OF /C OFFERS FAR MORE:

- With a simple click you can turn pages
- Click on the contents page and be transferred straight to the chosen editorial section
- Click on advertisements to go direct to advertisers' websites
- Word-searchable, giving you even faster access to the information you need.



MORE THAN A MAGAZINE!

INFORMATION AT YOUR FINGERTIPS

Try clicking your way through this issue. The information made available to you could be surprising!



DID YOU KNOW THAT YOU CAN UTILISE THIS DIGITAL MAGAZINE IN MANY MORE WAYS THAN THE TRADITIONAL PAPER VERSION OF THE MAGAZINE.

SEARCHING

By clicking on the search button at the top of your screen (usually the binoculars icon) you can search the whole magazine for keywords.

SEARCHING ARCHIVED MAGAZINES

If you have Adobe Reader version 6 or 7 you can also search across all the digital magazines that you have saved over the months!

DIRECT ACCESS TO A WHOLE WORLD OF ADDITIONAL INFORMATION

Perhaps the most powerful information source the e-magazine provides is the direct click-through to advertisers' web sites. Just click on any advert in this magazine and you will be taken directly to that company's web site where there will be a mass of additional, useful information at your fingertips.



INTERNATIONAL

MAY 2012
www.craneworld.com
A KHL Group publication

cranes

AND SPECIALIZED TRANSPORT



Intermat review

ESTA awards

**Articulating
cranes**

**Telescopic
crawlers**

**Operator
assistance**

The Shard



THE MAGAZINE FOR EQUIPMENT USERS AND BUYERS



www.xcmg.com
Xuzhou Construction Machinery Group Co., Ltd

XCMG FOR YOUR SUCCESS

TEL: +86-516-87739286 87739205

FAX: +86-516-87739230

Email: export@xcmg.com



Chosen as the official
magazine of the SC&RA
(Specialized Carriers &
Rigging Association)



European partner: ESTA
Approved media partner

KHL CONTACTS

UNITED KINGDOM

KHL Group
Southfields, Southview Road,
Wadhurst, East Sussex TN5 6TP, UK.
Tel: +44 (0)1892 784088
Fax: +44 (0)1892 784086
e-mail: cranes@khl.com
www.khl.com

USA OFFICE

KHL Group Americas LLC
3726 E. Ember Glow Way,
Phoenix, AZ 85050, USA.
Ph: +1 480 659 0578, Fax: +1 480 659 0678
e-mail: americas@khl.com

CHINA OFFICE

Beijing Representative Office
Room 768, Poly Plaza, No.14, South Dong Zhi Men
Street, Dong Cheng District, Beijing, P.R. China
Tel: +86 10 6553 7678, Fax: +86 10 6553 6690
e-mail: cathy.yao@khl.com

UK/NORDIC NATIONS

John Austin, advertisement manager
UK Head Office
Tel: +44 (0)1892 786220
e-mail: john.austin@khl.com
GERMANY/SPAIN/AUSTRIA/
SWITZERLAND/CENTRAL EUROPE
Mike Posener, UK Head Office
Tel: +353 86 043 1219, Fax: +44 (0)1892 786258
e-mail: mike.posener@khl.com

THE NETHERLANDS/LUXEMBOURG

Arthur Schavemaker
Tel: +31 (0)547 275005, Fax: +31 (0)547 271831
e-mail: arthur@kenter.nl
FRANCE/BELGIUM
Hamilton Pearman
Tel: +33 (0)1 4593 0858, Fax: +33 (0)1 4593 0899
e-mail: hpearman@wanadoo.fr

ITALY

Fabio Polesi
Tel: +39 010 570 4948, Fax: +39 010 553 0088
e-mail: info@mediapointsrl.it

KOREA

CH Park
Tel: +82 (0)2 730 1234, Fax: +82 (0)2 732 8899
e-mail: femads@unitel.co.kr

TURKEY

Melih Apa
Tel: +90 (0)532 214 6818
Fax: +90 (0)216 302 08 10
e-mail: melih.apa@apayayincilik.com.tr

CHINA

Cathy Yao
Tel: +86 (0)10 6553 7678, Fax: +86 10 6553 6690
e-mail: cathy.yao@khl.com

JAPAN

Akiyoshi Ojima
Tel: +81 (0)3 3261 4591, Fax: +81 (0)3 3261 6126
e-mail: ojima@media-jac.co.jp

USA/CANADA

Bev O'Dell
Tel: +1 (816) 886 1858, Fax: +1 (816) 886 1884
e-mail: bev.odell@khl.com
Pat Sharkey
Tel: +1 (515) 573 8684, Fax: +1 (515) 573 4991
e-mail: pat.sharkey@khl.com

KHL TEAM

EDITOR

Alex Dahm
e-mail: alex.dahm@khl.com
Tel: +44 (0)1892 786206

DEPUTY EDITOR

Euan Youdale
e-mail: euan.youdale@khl.com
Tel: +44 (0)1892 786208

GROUP EDITORS

Lindsey Anderson
Lindsay Gale
Sandy Guthrie
Maria Hadlow
Christián Peters
Murray Pollok
D. Ann Shiffer
Chris Sleight
WORLDWIDE CONTRIBUTORS
Graham Brent, USA
Heinz-Gert Kessel, Germany
Richard Krabbendam, Netherlands
Brent Stacey, Australia

SC&RA CORRESPONDENT

Terry White
PRODUCTION & CIRCULATION
DIRECTOR
Saara Rootes
e-mail: saara.rootes@khl.com
PRODUCTION MANAGER
Ross Dickson
e-mail: ross.dickson@khl.com
Tel: +44 (0)1892 786245
DESIGN MANAGER
Jeff Gilbert
DESIGNER
Gary Brinklow
DESIGN/PRODUCTION ASSISTANT
Pippa Smith
e-mail: pippa.smith@khl.com
Tel: +44 (0)1892 786207
PRODUCTION ASSISTANT
Louise Kingsnorth
e-mail: louise.kingsnorth@khl.com
Tel: +44 (0)1892 786246

SALES MANAGER

John Austin
e-mail: john.austin@khl.com
Tel: +44 (0)1892 786220
CLASSIFIED MANAGER
Paul Watson
e-mail: paul.watson@khl.com
Tel: +44 (0)1892 786204
FINANCIAL CONTROLLER
Paul Baker
FINANCE
Gillian Martin
e-mail: gillian.martin@khl.com
Tel: +44 (0)1892 786248
CREDIT CONTROLLER
Josephine Day
e-mail: josephine.day@khl.com
Tel: +44 (0)1892 786250
BUSINESS DEVELOPMENT
DIRECTOR
Peter Watkinson



For a change this month there is less news of giant cranes and more at the smaller end of the capacity scale. In the loader crane sector the news, at least outside Turkey, is concentrated in the low to medium range. In Turkey, however, articulating truck mounted cranes are getting bigger and compete with small ATs and truck cranes. See the features on pages 15 and 21.

In the telescopic crawler crane sector the news this month is at the bottom end in capacity terms where there are two new models in the 10 tonne class. See page 31. Both were launched at the Intermat exhibition in Paris, France, last month.

A record number of visitors was claimed by the Intermat organiser, despite some gloomy forecasts for the event from elsewhere in the industry and the even more gloomy weather during the week. Flat top tower cranes in the 300 to 400 tonne-metre, 16 to 18 tonne range, were a theme with new models presented from Jaso, Liebherr and Zoomlion. The first two were surprise launches. See News, starting on page 6 and the Intermat review on page 24.

Right, there is no getting away from it – big does feature after all, in both of this month's site reports. In the first of these, lifting and specialized transport giant Mammoet used a pair of 1,350 tonne capacity crawler cranes to unload 18 barges, some of which weighed more than 1,400 tonnes and were 135 m long, at its yard in the Netherlands. See page 33 for the full story. As the construction of the European Union's tallest building, the near-enough 310 m Shard in London, UK, is coming to an end, we report on the project on page 39.

Both the SC&RA Annual Conference and the ESTA Awards dinner in April included major events revealing the prestigious awards for spectacular lifting and transport projects, among other categories. Following the announcements of the winners on pages 51 and 55, respectively, look out for more detailed coverage of the projects in *IC* over the next few months.

ALEX DAHM

Editor

Correspondence is welcome and should be sent to:
The Editor, *International Cranes and Specialized Transport*, Southfields, Southview Road, Wadhurst, East Sussex TN5 6TP, UK

CRANE PORTFOLIO

PUBLICATIONS:



eNEWSLETTERS:

KHL's worldcranemarket
The global source for used cranes and transport equipment
www.worldcranemarket.com

KHL's worldcraneweek
The weekly newsletter for lifting and transport worldwide
www.worldcraneweek.com

EVENTS:

INTERNATIONAL CRANES & TRANSPORT
LATIN AMERICA CONFERENCE
SÃO PAULO, BRAZIL 28 MAY, 2012

INTERNATIONAL CRANES & TRANSPORT
TURKEY CONFERENCE
ISTANBUL, TURKEY 5 JUNE, 2012

INTERNATIONAL TOWER CRANES
www.khl.com/ttc Berlin Germany, October 11, CONFERENCE & RECEPTION 2012

中国国际起重机峰会
CHINA INTERNATIONAL CRANE SUMMIT
SHANGHAI 26 NOVEMBER, 2012

WORLD CRANE AND TRANSPORT SUMMIT 2011
AMSTERDAM NOVEMBER 10-11

FOLLOW US:



KHL.COM

To subscribe to *International Cranes and Specialized Transport* or any of the magazines in the KHL portfolio go to:
www.khl.com/subscriptions





Same fleet. Greater capability.

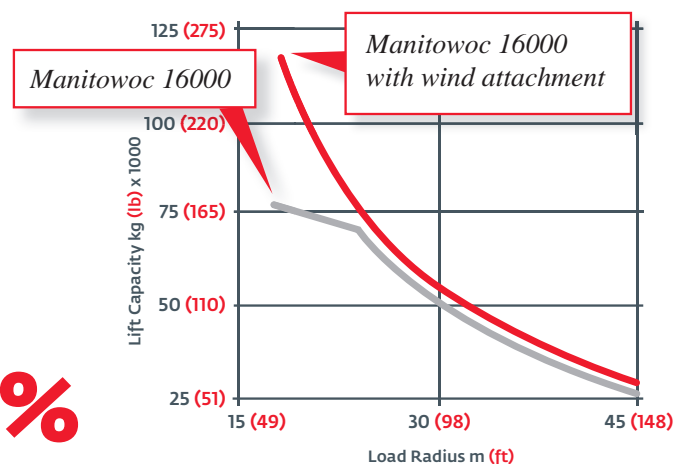
New Manitowoc 16000 wind attachment

The Manitowoc 16000 wind attachment makes a great crane even stronger. This new attachment allows you to lift larger turbines with the same highly reliable crane model. Whether adding this attachment to your existing cranes or buying a new 16000 with wind attachment, you will gain an impressive 49 percent lift capacity.

Wind attachment performance advantages:

- Compatible with all existing Manitowoc 16000 cranes
- Ability to set larger megawatt turbines
- Higher productivity in windy conditions

Load Comparison — Manitowoc 16000 vs Manitowoc 16000 WA



The Manitowoc 16000 wind attachment
increases lift capacity 49%

ON THE COVER



At nearly 310 metres The Shard in London, UK, is Europe's tallest building. As it nears completion *IC* reports on the cranes used in its construction. See page 39 for the full story.

SUBSCRIPTIONS

International Cranes and Specialized Transport (USPS 017 158) is a monthly publication with a worldwide circulation. The annual airmail subscription rate is £185, US\$295, €225. *International Cranes and Specialized Transport* is published on the 15th of each month.

Material published in *International Cranes and Specialized Transport* is protected under international copyright law and may not be reproduced without prior permission from the publisher.

KHL also publishes *International Construction*, *Demolition & Recycling International*, *Construction Europe*, *International Rental News*, *Access International*, *American Cranes & Transport*, *Access, Lift & Handlers and International Construction Turkey*. Call +44 1892 784088 for details.

International Cranes and Specialized Transport (USPS 017 158) is published monthly by KHL Group and distributed in the US by DSW, 75 Aberdeen Road, Emigsville, PA 17318-0437. Periodicals postage paid at Emigsville, PA. Postmaster: Send address changes to *International Cranes and Specialized Transport*, c/o PO Box 437, Emigsville, PA 17318-0437.



BPA Worldwide is the global industry resource for verified audience data and media knowledge. BPA Worldwide business media audits provide assurance, insight and advantage to business-to-business media owners and media buyers.

Published by



© Copyright
KHL Group 2012
ISSN: 1747-700X

Printed by: Garnett Dickinson Print, UK



The paper in this magazine originates from timber that is sourced from sustainable forests, managed to strict environmental, social, and economic standards. The manufacturing mill has both FSC & PEFC certification, and also ISO9001 and ISO14001 accreditation.

CONTENTS

NEWS

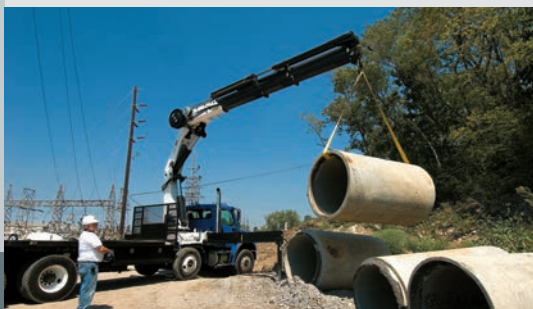
6

Terex Cranes up 5%, Crane sales save Kobelco revenues, Healthy Q1 for Konecranes, Shantui enters truck crane market, Zoomlion towers for Streif, Manitowoc opens in Brazil

BUSINESS

13

Crane manufacturers' shares bucked the market trends in April with a small gain against a backdrop of falling prices. *Chris Sleight* reports



LOADER CRANES

15

Manufacturers are looking to the lower and mid-capacity class with upgrades and range fillers to maximise sales. *Euan Youdale* reports

ARTICULATING CRANES TURKEY

21

While Turkish articulated cranes are not yet well known in the West there is a healthy export market elsewhere. *Euan Youdale* reports

INTERMAT REVIEW

24

Despite gloomy forecasts, the 2012



Intermat show achieved a record number of visitors. *IC* was there

SPECIALIZED TRANSPORT

27

A roundup of news and site reports from Germany, the UK and the USA

TELESCOPIC CRAWLER CRANES

31

Giraf Track is launching its first telescopic compact crawler crane. It complements its existing range. *Euan Youdale* reports

SITE REPORT

33

International heavy lift and transport specialist Mammoet brought together a wide range of its capabilities to unload barges weighing more than 1,400 tonnes. *Alex Dahm* reports

TURKEY CONFERENCE

36

A top-class programme of industry leaders has been assembled for a major new international cranes and heavy transport conference in Turkey. *Graham Anderson* reports



SITE REPORT

39

Select Plant Hire used eight Terex CTL luffing jib tower cranes to help construct the European Union's tallest building, in London, UK. A Unic mini spider crane was also used, placed on the rooftop, for installing panels on the glass and steel giant. *IC* reports

OPERATOR ASSISTANCE DEVICES

43

Operators benefit from an increasing number of assistance devices. *Euan Youdale* looks at some of the systems that help and oversee them

SAFE VIEW

47

Søren Jansen, ESTA secretary general, presents his preliminary findings from the wind turbine safety conference in Hamburg in March

ESTA AWARDS

55

Presentation of 11 trophies for the annual ESTA Awards of Excellence was the highlight of a spectacular dinner in France last month. *IC* was there



EQUIPMENT AND ACCESSORIES

59

A selection of equipment and accessories for all sectors of the lifting industry

BACK PAGE

60

People news, Events diary, picture of the month



SC&RA

SC&RA COMMENT

49

Comment from Joel Dandrea

SC&RA NEWS

51

Highlights from the Annual Conference in Texas, USA, including the Job of the Year winners. *Terry White* reports

MEMBER OF



HIGHLIGHTS

■ James Lomma and his companies have been acquitted of four criminal charges related to a tower crane collapse in Manhattan, New York, USA, in 2008, according to news reports. Two workers were killed in the accident. Justice Daniel Conviser of the State Supreme Court in Manhattan heard the case without a jury and did not give an explanation of his verdict when declaring Lomma innocent of all charges on 26 April 2012. The charges included second-degree manslaughter, assault, criminally negligent homicide and reckless endangerment.

■ Lifting gear distributor Certex UK has invested £150,000 (US\$ 245,000) in Crosby products, including shackles and swivel hoist rings, to meet demand for same-day availability for offshore clients. The purchasing deal will ensure wider product choice and improved delivery times for all offshore customers, Certex said. The Crosby order is to be stored and distributed from Certex's own dedicated Offshore Division in Aberdeen, Scotland.

■ ACE Winches has broken two records with the completion of its largest ever manufacturing contract – worth £4.2 million (US\$ 6.6 million) for Superior Energy Services, based in Houston, USA – which was delivered on the world's largest commercial aircraft, the Antonov 225.

The deck machinery specialist designed and manufactured an electrically driven 8-point mooring spread at its global headquarters in Scotland. The complete winch package was designed to be capable of operating in temperatures as low as -45 degrees centigrade. They will be used on a barge working in the Arctic.

Terex Cranes up 5%

Net sales for Terex Cranes in the first quarter of 2012 increased by US\$ 21.1 million, or 5.3%, to \$419.4 million against the first quarter of 2011.

Strong demand in North America, primarily for rough terrain cranes, was a major driver of this growth, Terex said. Also good were sales of pick and carry cranes in Australia and some port equipment products. Crawler crane sales remained soft in Europe as austerity measures impacted large construction and power projects that are typical users of this product, the company said.

The order backlog decreased around 24% compared to 31

March 2011 but increased approximately 7% compared to the end of the year. The year-over-year decrease was primarily due to weakening demand for crawler cranes.

"Our Cranes business improved significantly versus the prior year, with a positive operating margin of approximately 5% in the quarter versus a negative 4% in the prior year period on a similar net sales level, excluding the effects of the write-down of receivables in both periods," said Ron DeFeo, Terex chairman and CEO.

Sales of the Demag industrial and Gottwald port cranes business acquired late

in 2011 are included in the Terex Material Handling & Port Solutions segment. Net sales in MHPS for the first quarter of 2012 were \$367.5 million. Income from operations was \$2.9 million.

Demand was for industrial cranes, primarily process cranes and handling technology, and mobile harbour cranes. MHPS backlog was about \$492 million at 31 March 2012, up 5% compared to the backlog in the previous quarter.

For Terex Corporation as a whole, first quarter net sales were \$1,819.4 million, a 44.8% increase from the \$1,256.2 million in the first quarter of 2011.

Zoomlion towers for Streif

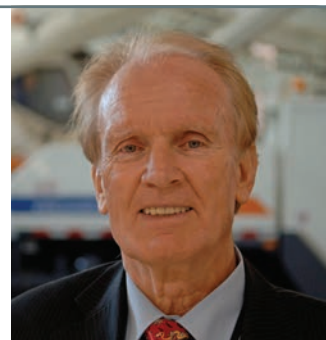
Streif Baulogistik in Germany has bought a pair of Zoomlion tower cranes and signed up as sales and service agent for Germany and Poland.

At the time of writing discussions were underway to add the same responsibility for the Ukraine. Streif supplies construction machinery, equipment and engineering and logistics services.

One of the two cranes purchased was the 16 tonne capacity T320-16 flat top displayed by the Chinese manufacturer at April's Intermat exhibition in France.

This crane is the first of the manufacturer's products designed with input from

world-renowned tower crane designer Franc Jost, pictured right. Zoomlion acquired the technology from Jost in June 2011. The other unit is a 10 tonne capacity TC6517B-10 conventional saddle jib tower crane with cat head.



PICK AND CARRY BOOST

Terex Cranes has launched a superlift type counterweight system to increase the lifting capacity of its MAC 25 pick and carry cranes built in Australia.

The MAC 25 SL Superlift system is just over 2 tonnes of additional counterweight that increases the load on the rear axle from 14 to 16.6 tonnes. It increases lifting capacity by up to 30% in many cases, on the Brisbane-built cranes formerly known as Franna.

"Our customers are extremely loyal to our pick and carry crane design. The new MAC 25 SL system provides them the additional capacity they were looking for to extend the range of their lifting operations," said Danny Black, Terex Cranes Australia general manager.

In addition to the current MAC 25 pick and carry crane model, the new Terex MAC 25 SL Superlift counterweight system can also be retrofitted onto earlier models.



Zoomlion T320-16 flat top tower crane



HIGHLIGHTS

■ Finnish industrial and port crane manufacturer Konecranes announced first quarter operating profit up 29% to €24 million (US\$ 31.7 million), well ahead of a previous forecast of €22.7 million (US\$ 30 million). Order intake was up 4.6% to €534.6 million (US\$707 million), with €1,075.6 million (US\$ 1,423 million) on the order book at the end of March, 12.4% higher than a year ago. Q1 2012 also saw Konecranes record sales of €474 million (US\$ 627 million), up 22.2% on 2011.

■ Production of Terex self erecting tower cranes will start in July at the Montceau-les-Mines factory in France. The full range of 12 models with jibs from 16 to 45 metres and in capacities from 1 to 6 tonnes will be built there. Production will be moved from Fontanafredda in northern Italy. It will make way for expansion of top slewing tower cranes and for the integration of the RECOM luffing jib tower crane manufacturing business. Benefits from the move include synergies and cost savings and reduced transport costs for deliveries to the major markets. Terex will also target the French market. The production forecast is for 100 units in 2012 and 500 a year by 2015. Investment by 2015 will be around US\$2 million.

Crane sales save Kobelco revenues

A 17% increase in sales of cranes last year helped Kobelco's construction equipment revenues stay level with 2010.

Kobelco's sales of construction equipment totalled JPY 355 billion (US\$ 4.40 billion) in the fiscal year ending March 31, 2012 - level with the previous year. A 17% increase in crawler crane sales compensated for a fall in the

company's excavator business.

Kobelco Cranes sold JPY 48 billion (US\$ 594 million) worth of cranes last year. "In addition to higher demand in overseas markets, mainly North America and Southeast Asia, domestic demand also increased owing to restoration work following the great East Japan earthquake," said a company statement.

Ordinary profits at the

excavator business, Kobelco Construction Machinery, were down -13% to JPY 22.9 billion (US\$ 283 million) as a result of these falling sales. The cranes business bounced back from a JPY 1.4 billion (US\$17 million) loss last year to a profit of JPY 161 million (US\$ 2 million).

EXPANSION AT EMERSON

Emerson Crane Hire in the UK will create 25 jobs following the purchase of two new Liebherr cranes worth £2.5 million (US\$ 4 million).

The London-based firm has acquired 90 and 200 tonne capacity Liebherr all terrain mobiles, due for delivery at its Dagenham yard in June of this year.

Senior managers from Liebherr visited the Emerson site in March to finalise the deal. They were welcomed by Emerson staff and Milton Mckenzie, Barking and Dagenham's mayor.

Emerson Crane Hire has also purchased half an acre of land opposite its current premises for £500,000 (US\$ 810,000), which it plans to use as a crane yard.

The family-run business is undergoing a period of rapid growth, and is recruiting for crane operators, lorry drivers and supervisors.

Brazil for Manitowoc

Manitowoc opened its new crane factory in Passo Fundo, a city in the southern state of Rio Grande do Sul, Brazil in March. More than 400 people attended the grand opening event at the factory, which is the company's first crane factory in Latin America. The facility will initially supply Grove rough-terrain cranes, to Brazil and across the region.

Larry Weyers, executive vice president for Manitowoc in the Americas, said the visitor turnout reflected the factory's standing in the

industry. "The number and prominence of our guests show just how important this factory is to the regional crane industry," he said.

"The Brazilian crane market is one of the fastest growing in the world, and Manitowoc has a long history both here and throughout Latin America. Over the past five years we've expanded our sales and Manitowoc Crane Care operations to ensure we have the best infrastructure to serve our customers," Weyers continued.

Unic expands network

Waterland Trading has become the official Unic mini crane dealer for the Netherlands and Belgium.

Established in 1991 by CEO Peter Bleyenbergh, Waterland Trading started supplying telescopic cranes to the Dutch market before setting up a second division in Belgium five years later.

The company has chosen a 2.9 tonne capacity Unic URW-295 as the first mini spider crane to join its rental fleet. It will also be sending its staff to the Unic Cranes Europe head office in the UK to receive operator training.

Part of GGR Group Ltd, Unic Cranes Europe has a group of distributors across Europe and the Middle East.



Mammoet orders 3,000 tonne Liebherr

International heavy lifting and transport specialist Mammoet has ordered the first unit of the 3,000 tonne capacity Liebherr LR 13000 lattice boom crawler crane.

Its first job will be a refinery extension project near Chicago, USA. In September 2012 it will be set up in Whiting, Indiana, with 78 metres of main boom, 72 m luffer and derrick attachment.

The contract to buy the crane was signed at the 2012 Intermat exhibition in Paris, France, mid-April, by Herman

Smit, Mammoet Global chief operating officer, and Christoph Kleiner, Liebherr-Werk Ehingen managing director, sales.

In addition to its load capacity, flexibility was a primary reason for choosing the LR 13000, the manufacturer said. Typical applications will be power station construction and in the petrochemical sector. Advantages of the LR 13000 include its ability to travel under full load and the wide range of boom systems, from light to super-heavy with the new P-boom, Liebherr said.



Herman Smit, Mammoet Global chief operating officer, left, shakes on the LR 13000 deal with Christoph Kleiner, Liebherr-Werk Ehingen managing director, sales

HI-TECH FROM HIAB

Cargotec has launched the 52 tonne-metre-rated Hiab XS 544 HiPro articulated loader crane.

It was exhibited at the RAI Exhibition in Amsterdam, the Netherlands, in April and will be ready to order at the end of 2012.

"We are very proud of our new crane and what it can do for our customers' business performance," said Sergio Peiró, Hiab loader cranes heavy range product manager.

It is the latest in Cargotec's heavy range segment and has been developed to meet market demands for productivity, economy, reduced lifetime cost and fast return on investment, the manufacturer said. Features include an improved boom system to minimise deflection, improved sequence cylinders and continuous slewing.

Outreach is up to 35 m with jib, and the crane is designed to be durable and require minimal maintenance. "What is also noteworthy is the crane's speed and precision even at full outreach," added a spokesman.

Other features include pump flow distribution (PFD), which supports the speed and precision of the crane, and automatic speed control (ASC), which, in co-operation with PFD, increases capacity by 15%, Cargotec said.

■ For more about articulated loader crane see the feature starting on page 15.

Liebherrs for Hiap Tong

Heavy lift specialist Hiap Tong supplied Liebherr LTM 11200-9.1 and LTM 1500-8.1 wheeled telescopic cranes for the installation of wind turbines on the Mongolian steppes.

The 1,200 and 500 tonne capacity cranes were used by the Hiap Tong Corporation joint-venture partner in Northern China, Inner Mongolia Hiap Tong An Da Heavy Lift Co Ltd (IMHTAD).

The cranes erected 90 and 70 metre tall turbines near Wulan Chabu, Inner Mongolia. Each of the Chinese Sinoval SR series turbines has a tower weighing 150 tonnes and were erected in four or five days depending on the weather. In addition to erection, the cranes were used for repairs on five turbines installed earlier.

Adding the two cranes takes the total to 15 Liebherrs in the Hiap Tong fleet of



ALLSEAS ORDERS OFFSHORE HUISMAN GIANT

Huisman has secured a contract from Allseas to design and manufacture an 850 tonne capacity offshore mast crane.

The crane will replace the current 300 tonne offshore mast crane onboard Allseas' pipelaying vessel Solitaire. The delivery is scheduled for October 2012 at the Netherlands-based crane and engineering specialist Huisman's production facility in Fujian, China.

The 850 tonne crane will offer up to 1,600 m single fall hook depth and is equipped with an active heave compensation system on the main and whip hoist for landing a load on the seabed. The use of a splittable block on the main hoist allows the number of falls to be adjusted from 8 to 4 falls without re-reeving, said Huisman.

The adjustment of falls allows the lift to be carried out at an optimum load and speed configuration. "These features will make the crane an efficient tool for the installation of heavy loads required for deepwater subsea production systems," said a company spokesman.



114 units. "Our Liebherr cranes are at the heavier end of the range," said Patrick Ng, Hiap Tong executive director. "We keep our fleet as young as is practical, generally renewing our units after about nine years."

Around 40% of Hiap Tong's business comes from the marine industry, 40% from petrochemical and 20% from construction.



Product: **QY130**
Location: **Abu Dhabi, UAE**

Zoomlion Heavy Industry Science & Technology Co., Ltd.

Address: 13/F Building A, Lugu coordinate, No. 199 Lulong Rd. Gaoxin district, Changsha, Hunan, P.R.China 410205

Tel: +86 731 88928263

Fax: +86 731 88928278

E-mail: overseas_marketing@zoomlion.com



Shantui enters Chinese truck crane market

China's Shantui, best known for its bulldozers, is to enter the truck crane market later this year. It will manufacture a

range in China.

Li Dianhe, a vice president of Shantui, said that Shantui will use Shantui Fushun Crane Co, a company it bought two years ago, to manufacture the new crane line. It is already experienced in producing truck mounted aerial platforms for the fire fighting and utilities markets in China. "We will enter the truck crane market before the end of the year for the global market," Li said.

The company has already moved into the crawler crane

market, launching a prototype 150 tonne crawler at the BICES exhibition in Beijing, October 2011.

On Shantui's main business of selling bulldozers, excavators, road building and concrete equipment in China, Li said that the slower market seen in 2011 was continuing in 2012 but that "we may be at the bottom now."

Li continued that Shantui was confident that government efforts to stimulate demand would have a beneficial

impact after October.

The company is planning to expand its operations internationally, with the top priority a factory in Russia to produce bulldozers and road machinery. He said a facility could be opened in 2013.

Shantui is also looking at potential acquisition targets in Western Europe. "Acquisitions is a way for Shantui to expand its business abroad, it is our strategy. We have some potential targets in Europe that we are negotiating with."

HIGHLIGHT

■ Australia's McAleese Transport has acquired transport logistics provider International Energy Services in a deal with Champ Private Equity for an undisclosed sum. McAleese Transport offers heavy haulage and over dimensional transport services. The company provides general freight transport, hotshot deliveries, trailer rental, container handling transport, warehousing, distribution and storage throughout Australia.

■ Turkey's Istanbul Vinç group is taking on the domestic distributorship of Italian crane manufacturer Jekko, after the firm signed an agreement with its Tower Rent division. Istanbul Vinç will also offer Jekko products for rental through its Örümcekçi company. Tower Rent is now the exclusive dealership for Jekko in Turkey and will be presenting the company's atrium lifts through its seven branches across the country.

SARILAR ORDERS TEREX AS TURKEY'S BIGGEST CRANE

Turkey-based crane service company Sarilar has purchased 1,600 tonne capacity Terex CC 8800-1 lattice boom crawler, which will be the biggest crane in the country.

The CC 8800-1, bought through Terex distributor DAS Otomotiv, has been ordered with a main boom of 108 metres and a 108 m fly jib. Sarilar will initially use the crane in Turkey and the Middle East.

Sarilar group chairman, Hanifi Gürbüz, said, "We are preparing to lead the sector in projects in Turkey, such as the construction of wind energy installations, dams, nuclear power plants, bridges and refineries.



We want to keep the national funds of the country within our borders."

The company will also add a new Liebherr LR 1350/1 crawler to its fleet in 2012. Sarilar boasts a fleet of 250 cranes, including telescopic mobiles, truck-mounted cranes, lattice jibs, crawler cranes and harbour cranes.

A Liebherr LTM 1040 with a capacity of 40 tonnes is the company's smallest crane while an 800 tonne Liebherr LTM 1800 was the biggest until the purchase of the CC 8800-1.

heavy modular trailers and self-propelled vehicles



INDUSTRIE COMETTO S.p.A.

12011 BORGO S.DALMAZZO - CN - ITALY
TEL. +39.0171.263300
cometto@cometto.com - www.cometto.com

INDUSTRIE COMETTO
building for the heaviest duties

LET'S LIFT THE WORLD TOGETHER

CRANES

**Let our team of Crane Specialists
help you succeed**

- ▶ Meeting customer needs with a full range of cranes
- ▶ Combining our diverse expertise to deliver customer solutions
- ▶ Committed to delivering responsive global support

Contact us to learn
how we can work for you.

www.terexcranes.com



Road Mobile Cranes



Truck Mounted Cranes



Crawler Cranes



Rough Terrain Cranes



Tower Cranes



Specialized Cranes



Port Equipment



TEREX®

WORKS FOR YOU.™

Versatile. Mobile. Robust. Simple. Reliable.

Your 110 ton solution.

The newest addition
to the proven Link-Belt
Telescopic Crawler
family ...

TCC-1100

- Great capacities
- Pick-and-carries entire chart
- Operator-friendly full-power Link-Belt formed boom
- Unbeatable hydraulic pilot-operated controls
- Tier IV rated Cummins QSL engine
- Hydraulically extendable, multi-position side frames
- Transports with/without tracks
- Main unit transports under 90,000 lbs (40 823 kg)

TCC 1100

110 tons (100 mt) Telescopic Crawler Crane

Link-Belt
CRANES

LINK-BELT CONSTRUCTION EQUIPMENT
Lexington, Kentucky, USA | www.linkbelt.com

Brief bright spot

On the whole April was a poor month for the stock markets. A new round of jitters in the euro-zone, this time over Spain's ability to meet its debt obligations without a bail-out, saw share prices in Europe fall. There were knock-on effects in other markets.

In terms of the major indexes, the Nikkei performed the worst in April, with a 4.69% drop. This was followed by the FTSE, which was down 2.80%, while the Dow escaped with just a 0.13% decline. There were heavier losses for indicators that IC does not regularly report. The DAX Composite for the German stock market was down 5.66% between weeks 12 and 16, while the IBEX 35, the main benchmark for Spain's Bolsa de Madrid lost more than 17% of its value over the same period.

Trends

In contrast however, the crane sector bucked the trend with a 4.01% gain in value. Indeed, the only company within the IC Share Index to lose value over the four week period was Kobe Steel, while the rest enjoyed some useful gains.

Zoomlion led the pack with a 10.31% gain, and fellow Chinese manufacturer Sany also did well with a 9.21% rise. Elsewhere in the sector the movements were more moderate, and tended to be low single digit gains.

The reason crane manufacturers have escaped the market downturn does not

seem to be anything specific to the sector, rather that they were not exposed to the problems in Spain.

Concerns over the country's debt burden, unemployment and growth prospects have hit European shares hardest – as witnessed by the downturn in the DAX and IBEX. As the Dow's performance shows, however, US stocks were relatively unaffected.

Measured

This was very much the case in the crane sector, where individual companies seemed to shrug off the problems in Spain and the implications for the wider Euro-zone.

Over the long term, however, shares in the sector are far from performing well.

Compared to a year ago, the IC Share Index is down 37.13%, with some particularly heavy losses among the Chinese manufacturers. Measured on this scale, the mainstream benchmark indicators are much stronger performers – the Dow has risen 6.22% compared to a year ago, while losses for the FTSE and Nikkei are much more moderate.

In fairness the crane sector has shown some improvement since hitting its recent low in the final quarter of 2011.

The weakness, however, of many of the high capitalisation Chinese groups, driven by weaknesses in their domestic markets, means it is a struggle for the IC Share Index to return to health.

Crane manufacturers' shares bucked the market trends in April with a small gain against a backdrop of falling prices.
CHRIS SLEIGHT
reports

MAY IC SHARE INDEX

STOCK	CURRENCY	PRICE AT START	PRICE AT END	CHANGE	% CHANGE	PRICE 12 MTHS AGO	12 MTH % CHANGE
IC Share Index*		62.55	65.06	2.51	4.01	103.49	-37.13
Legacy IC Share Index**		301.43	297.32	-4.12	-1.37	409.12	-27.33
Dow Jones Industrial Average		13046	13029	-16.88	-0.13	12266.75	6.22
FTSE 100		5871	5707	-164.61	-2.80	5990.59	-4.74
Nikkei 225		10011	9542	-469.30	-4.69	9606.82	-0.67
Hitachi Construction Machinery	YEN	1795	1809	14	0.78	2008	-9.91
Konecranes	€	20.49	21.25	0.76	3.71	31.20	-31.89
Kobe Steel	YEN	135	115	-20	-14.81	201	-42.79
Liugong	CNY	13.38	13.46	0.08	0.60	38.49	-65.03
Manitowoc	US\$	14.19	14.68	0.49	3.45	20.97	-30.00
Palfinger	€	17.60	17.80	0.20	1.11	27.68	-35.70
Sany Heavy Industry	CNY	13.25	14.47	1.22	9.21	26.27	-44.92
Tadano	YEN	598	606	8	1.34	459	32.03
Terex	US\$	23.52	24.57	1.05	4.46	32.48	-24.35
XCMG	CNY	14.64	15.16	0.52	3.55	27.88	-45.62
Yongmao Holding	SGD	0.10	0.10	0.00	0.00	0.15	-31.33
Zoomlion	CNY	9.08	10.00	0.92	10.13	16.14	-38.04

*IC Share Index, 1 Jan 2011 = 100

**Legacy IC Share Index, end April 2002 (week 17) = 100

EXCHANGE RATES – US\$

CURRENCY	VALUE AT START	VALUE AT END	CHANGE	% CHANGE	VALUE 12 MTHS AGO	12 MTH % CHANGE
CNY	6.3066	6.30306	-0.0035	-0.06	6.53049	-3.48
€	0.6329	0.6206	-0.0122	-1.93	0.6139	1.10
Yen	83.09	81.72	-1.36	-1.64	82.67	-1.14
UK£	0.7595	0.7580	-0.0014	-0.19	0.6992	8.41

Period: Week 12 - 16

Truck mounted cranes from

ATLAS MASCHINEN GMBH

Your professional ATLAS dealer is available to support you regarding individual solutions, technical information and a competitive, professional aftersales/parts service.

Of course you can also contact us directly.

- Together we will find a solution -

to develop the best ideas,
put them into action and
supervise the operation
is one of our strengths.



Your ATLAS cranes team

Atlas Maschinen Gmbh (Krane), Stedingerstr.324, 27751 Delmenhorst,
Germany, Tel: +49 04221 491-0, www.atlasgmbh.com

The IMT 47 tm being used to lift concrete pipes in the USA



Level loading

Manufacturers are looking to the lower to mid-capacity class with upgrades and range fillers as they seek to maximise sales in their best markets.

Euan Youdale reports

The biggest news in the articulated loader crane sector over the last 12 months came from Austria-based Palfinger and its announcement it had signed two joint ventures with Sany in China to sell and distribute each others' cranes.

The purpose of the deal is to increase Palfinger market share in China and Sany market share outside the country. Two new companies will be established in a venture that will see around €200 million (US\$ 270 million) invested over the next few years, Herbert Ortner, Palfinger CEO, told IC.

Sany and Palfinger will each hold a 50% share in the two new companies.

Changsha, China-based SanyPalfinger will manufacture and sell Palfinger knuckle boom cranes in China while Austria-based PalfingerSany will distribute wheeled mobile cranes produced by Sany in the world market outside China.

Earlier this year Palfinger also posted the highest revenue figures ever recorded at the company in its 2011 financial year results. Revenue rose by 29.7% from €651.8 million (US\$848 million) in 2010 to €845.7 million (\$1.1 billion). In addition to the recovery of the markets, the main reason behind the increase was the expansion of both its markets and its sales network, says Ortner.

Revenue abroad

North America, South America, Asia and Pacific, India and CIS, stepped up their combined contribution to group's revenue for 2011 to 26.5%. "In Europe, business in many core markets continued to grow in nearly all product divisions in 2011, with a distinct recovery being observed particularly in the crane business," says Ortner. However, Spain, Greece and Portugal were still weak during the period under review.

As if to confirm this view of Europe, Fil Filipov, who acquired the Atlas knuckle boom crane business from Terex two years ago, and is now chairman, says he has turned the company around. "We were losing about 10%, now we are making 10%. We are lucky to be in a part of the industry where the problems have not been economically affecting us; we are not in Spain or Italy or Greece."

Revenue was some €200 million last

>



The new Effer 525 at the Intermat exhibition in Paris, France



Atlas range: Largest is the 620.3E with a 1.65 tonne capacity at the maximum 22 m outreach

year, with 50% of sales being in Germany and 35% across the rest of the Eurozone, meaning there few exchange rate issues, Filipov adds. Some 40% of the business is cranes-related, with the rest coming from excavator sales.

According to Filipov the turnaround was three-stranded, one of them being the economic situation, as described. "One third came through personnel savings because I reduced the people, and another third came from materials. We reduced a lot of cost through buying; better quantity buying and different suppliers. From a product point of view the effect has been to maintain and increase the business and to get market share in the area that we participate." This area is construction, which means the product range is limited to that area.

"We really are a very small business. Our competition is stronger, we are not strong over 25-30 tonne-metres. We try to be good at what we have. Growth is not the most important thing for us because we do not have any debt so, number one, we try to be profitable."

Filipov has no plans for Atlas to expand outside of its core markets. "We have the strongest dealer network probably in the industry, and we are in parts of the world where stability is better than other parts."

Mapping success

Overall, Atlas sells 2,500 to 3,000 units a year and has a healthy backlog of six to eight months, Filipov says. He describes the current range as a continuation of the previous line, "We are not reinventing the world but concentrating on improving electrics, safety issues that we had before on the outriggers, and improving reliability problems on a couple of the models."

At Italian manufacturer PM, sales director Giovanni Tacconi is less positive

about the wider European market, although he says regions outside the continent are improving. "Europe is slow and there is a problem with the banking system approving leases. If you can provide credit then you can sell lots of machines but, otherwise, it is impossible to sell."

In Europe, there has been a general shift away from the high capacity loaders being launched some 18 months ago. Now a trend is emerging at the middle to lower end of the capacity range, with market demand for more hydraulic features and add-ons such as remote controls.

Palfinger has added two new loader cranes to its SH control system range. Both offer six boom extensions and a maximum hydraulic outreach of 17 metres. The PK 14502 SH has a lifting moment of 13.8 tonne-metres, while the PK 18502-SH is rated at 17.6 tonne-metres.

Palfinger has also just launched a series of High Performance T-cranes in the 14 to 19 tonne metre class for special applications. The four models on offer, PK 13500T, PK 15500T-EH, PK 17500T

and PK 19500T-EH stand out by virtue of their maintenance-free extension boom system, functional design and new tiltable stabilisers, says the company.

At the lowest end of the capacity range, UK-based Penny Hydraulics' new FV995 was introduced to enable customers to specify "near-1,000kg" load handling without the complications of EN12999.

"Many operators want good performance from their cranes but rarely need to handle loads over 1,000 kg. In the past the only option was to specify a crane with 1,200kg, 1,500kg or 2,000kg maximum working load in case larger loads were encountered," says a company spokesman.

Demonstrating how other manufacturers are finding new niches, Eurocargo received an order for 100 off road electricity pylon transport and erection vehicles, each fitted with a Fassi articulated loader crane. The 100 four wheel drive ML150E28WRS models are



Fassi F1950XP loader crane supplied by US distributor Fascan



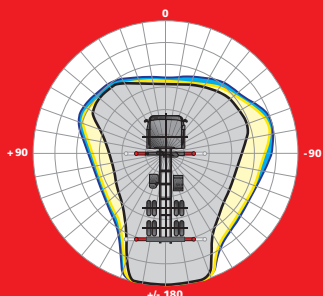
PM's 12.5 BP is designed for the French market

The most intelligent stability control system of all times!

PALFINGER's new HPSC



PALFINGER



- Real stability limit
- PALFINGER's new HPSC
- Conventional proportional control systems

The new High Performance Stability Control by PALFINGER:

A complete individual positioning of the stabilizers in combination with an intelligent algorithm developed by PALFINGER allows you to work significantly faster, more efficiently and closer to the real limits of stability than any previous system. More information at www.palfinger.com



The new Palfinger PK 18502-SH has the Soft Stop electronic limit position damper that allows gentle braking before the mechanical end stop is reached

part of a larger order for 640 pylon erection vehicles for EDF. It includes a separate motor that is attached at the boom tip of the Fassi F165XP boom which powers the pylon hole drilling equipment. The loader crane then drives the pylons into their pre-prepared holes.

The 15 tonne ML150E28WRS has a pylon-carrying frame, a teleflow tyre pump system and hydraulic winch. There is also an 11 tonne version.

Staying with Italian manufacturers, Effer has launched a 46 tonne-metre rated articulated loader crane. The Effer 525 sits between the existing 575 and 470 models and features a boom of high strength (Weldox 1300) steel and Weldox 1100 is used in the column.

PM launched a mid-range articulated loader crane specifically for the French market at April's Intermat 2012 exhibition in Paris. The 12.5 tonne-metre rated 12.5 BP is for lifting and grab work. Often loader cranes with grab attachments are

Shijiazhuang Coal Mining Machinery Co. Ltd showed its QYS-10ZII at the BICES 2011 exhibition in China, one of several knuckle boom manufacturers there



used on French worksites rather than small excavators, says Tacconi. With a 3.1 m boom and two extensions it is considered as a heavy duty machine, for high lifting cycles.

PM launched a new range at the end of 2011 in the 16 to 23 tonne-metre class, incorporating its interlock control system to comply with the EN12999:2009 European standard..

Upper limit

According to Tacconi, however, pushing the capacity limits much beyond the company's own rang-topping 100 tonne-metre machine is pointless. "Beyond a certain point – 150 tonne-metres – there is no sense. Other equipment is more efficient."

PM's biggest sales areas are Russia and North America. "Following the crisis, the market [in the USA] is changing into a more efficient product market. The knuckle boom is more efficient than the boom truck because the trailer can be used for general purposes. The crisis has been very good for the knuckle boom in America."

USA Fassi distributor Fasca International is experiencing the changing scene first hand. "Our traditional markets in the construction sectors have, to the surprise of no one, been fairly slow over

the last several years, but we've been seeing increased activities in some new markets, most notably the utilities markets, the oil, gas and propane sectors and the equipment rental markets," says Bernie Faloney, president and chief executive officer.

John Field, product manager of material handling at USA-based Iowa Mold Tooling (IMT) has seen a trend to larger articulated loaders in recent years, including its 80 tonne metre model. "They have proven especially valuable in the rejuvenated mining and energy industries. Mining operations are utilising the cranes to provide shovel maintenance and repair, as well as to efficiently lift and transport large mining tyres. Oil companies are using our cranes to lift large pieces of equipment onto and off of trailers."

Product development

Functional and safety devices are a primary driver of product development. On the Palfinger PK 14502 SH and PK 18502-SH is a package incorporating S-HPLS, PAL 150, Danfoss control valve and radio remote control with LCD display.

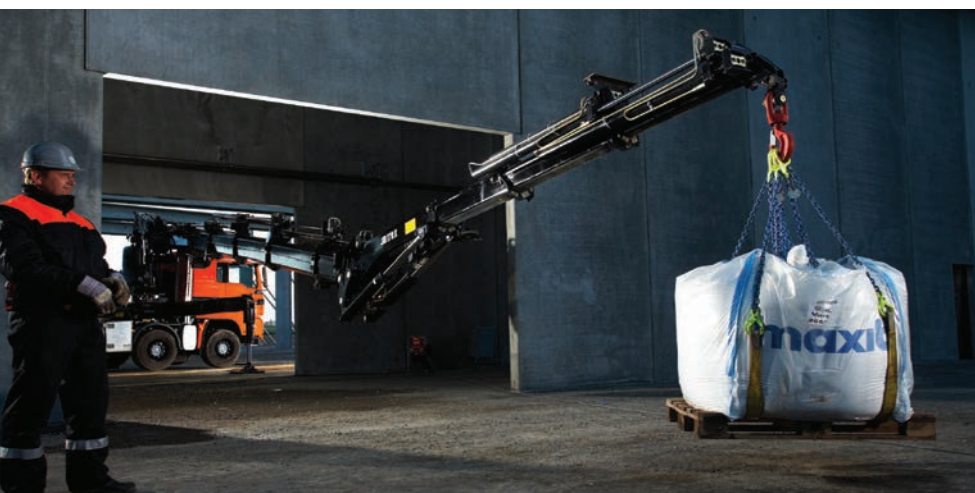
Using sliding elements made from synthetic material combined with KTL cathodic dip paint means that the operator no longer needs to service the boom system, explains the company.

IMT provides another example. Its mid-range and larger capacity cranes are available with the RCL 5300. The RCL system monitors the crane's load moment. In an overload situation, the system warns the operator and interrupts the distribution of oil for crane functions, while allowing functions that reduce load moment to remain operational.

At Penny Hydraulics, Richard Short says radio remote controls are more popular. "These are especially useful from a safety point of view because they reduce the need for operators to climb on their vehicles. Instead users stand well away from the vehicle when handling is in progress."



A Palfinger PK92002SH lifts portable work offices at a construction site



Quality. Reliability. Productivity. Safety. (Just ask for a Hiab!)

Hiab has built an enviable reputation for delivering rugged, high performance cranes. That's why businesses worldwide demand our products. With lifting capacities ranging from 1 to 92 tonne meters and an outreach of between 2 and 32,5 meters, we've got every application well covered. What's more, the service back up delivered by Cargotec sets the standard for others to follow. So, always ask for a Hiab. You won't find a better crane.

***Cargotec** improves the efficiency of cargo flows on land and at sea - wherever cargo is on the move. Cargotec's daughter brands, Hiab, Kalmar and MacGregor are recognised leaders in cargo and load handling solutions around the world.*



Unrivalled

The highest balance between power and tare weight.
Try yourself.



Thanks to the innovative technologies of Fassi, the first company that has developed intelligent cranes, power and light tare weight are expres-

sed both in the horizontal outreach and in the vertical lifting. Have a look at our brochure "Techno Chips" to find out all the secrets of Fassi crane.

FASSI
www.fassitechnochips.biz



A Dutch company

CO-MAKER IN SPECIAL EQUIPMENT

 **DE HAAN**
SPECIAL EQUIPMENT

De Haan Special Equipment B.V.

P.O. Box 4 - 9500 AA Stadskanaal - The Netherlands

T: +31 (0)599 613 300 - F: +31 (0)599 621 168 - www.dehaan-se.com



While articulated cranes made in Turkey are not yet well known in the West there is a healthy export market elsewhere. EUAN YOUNDALE reports

The story on Turkey in the April issue of *IC* concentrated on the wider crane and transport market. This article looks at three major Turkey-based articulated crane companies and their plans for the future.

IC spoke to Mevlüt Acar, representing international sales at Hidrokon; Guvenc Tokgoz, global sales manager and engineer at World Power Erkin; and Ahmet Ali Ak, general manager at Kardelen.

WHAT ARE YOUR LATEST ARTICULATED LOADER CRANE MODELS?

Hidrokon: We have 10 to 270 tonne-metre-rated models.

World Power Erkin: The ER 305.000 L-9+6+2 is a 305,000 tonne-metre crane, with the longest horizontal outreach in the world and the longest vertical outreach – 62 m – in the knuckle boom market. We have already sold two units delivered in April. The ER 75.000 KT-6 is another, a 75 tonne-metre crane. Two have been manufactured this year.

Kardelen: The KD360000 with a lifting capacity of 120 tonnes at 3 m radius and the KD270000 with a lifting capacity of 90 tonnes at 3 m.

WHAT ARE THEIR MAIN FEATURES AND BENEFITS TO THE CUSTOMER?

Hidrokon: Customers use a 55 tonne knuckle boom crane because a new mobile of the same capacity is nearly three times more expensive. We mount 55 and 80 tonne capacity cranes on trucks with normal chassis, so they can transport easily.

World Power Erkin: With its hydraulic articulating jib, The ER 305.000 is very useful for lifting goods over tall buildings in city centres and at construction sites. Being truck mounted it can work in cities without



One of Kardelen's articulated loader cranes in travel position

A 150 tonne articulated crane from big capacity specialist World Power Erkin



Branching out

regulation. The articulating features make it flexible compared to standard telescopic cranes and a separate carrier is not needed for the counterweight.

Kardelen: Features include moment control systems, remote controls, electronic weight scales, and an ergonomic cabin.

WHAT ARE YOUR MOST POPULAR MODELS?

Hidrokon: 90 tonne-metre-rated knuckle boom cranes.

World Power Erkin: In the world market, the 365 tonne-metre ER 365.000 L-8+5 and 160 tonne-metre ER 160.000. In Turkey the ER 105.000 L-6 model is most popular.

Kardelen: The 30 tonne capacity KD90000 and 35 tonne capacity KD105000.

WHERE DO YOU EXPORT TO?

Hidrokon: We export to more than 15 countries, including Poland, France, Iran, Romania, the Netherlands, Russia, Iraq, Ukraine, Azerbaijan, Kazakhstan, Saudi Arabia, Turkmenistan, Jordan, Nigeria, South Africa, Syria and Algeria.

World Power Erkin: The most popular markets at the moment are Denmark, South Africa, CIS, North African countries, South Africa and Venezuela.

Kardelen: We export cranes to Romania, Turkmenistan, Kazakhstan, Iraq, Qatar, UAE, Libya, Algeria, and so on. We have

agents in some of these countries and many Turkish contractors have big projects there.

HOW HAS THE MARKET IN TURKEY CHANGED IN THE LAST FEW YEARS?

Hidrokon: The market in Turkey has grown year-by-year. In the 1990s there were not any crane manufacturers in Turkey but today more than 1,000 large capacity cranes are manufactured each year.

World Power Erkin: Turkey is growing, we are expecting 10% growth this year, and for the coming few years. We could grow more aggressively but we want to keep our quality at the same level.

Kardelen: At the start of the global crisis in 2008, the market slowed down sharply but it recovered in a very short time and now is growing again. We think it will continue to grow in the coming years.

WHAT NEW ARTICULATED LOADER MODELS ARE YOU PLANNING FOR THE FUTURE?

Hidrokon: We are beginning to manufacture European-style loader cranes: 90 tonne-metres and above. The first product will be finished in a year.

World Power Erkin: The ER 600.000 L-9+6 crane is in the design phase. It is a 600 tonne-metre all terrain knuckle boom for lifting inside factories. We are planning to move into the telescopic crane business more. We have models up to 80 tonnes at the moment and next year we are planning to build a 100 tonne all terrain. In two to three years we would like to be in the market with a 250 tonne all terrain crane.

Kardelen: For the future we are planning to increase capacity and reach height in our aerial working platforms and truck mounted telescopic cranes. We are now building a 5,000 square metre factory. With our new facility we will increase our production with new models.



Hidrokon test lifts a 20 tonne load

We keep on growing.





At **Jaso** we keep on growing.

Our product range, commercial network and market share continue to grow.

Furthermore and above all, our customers **satisfaction and loyalty** keep on growing.

That's what is the most important to us.

If finding someone reliable, competitive and near-at-hand who can solve your problems is important to you, then **at Jaso we want to grow with you.**



Simply excellent cranes

Carretera Madrid - Irún, Km. 415 • 20213 Idiazabal (Gipuzkoa) • SPAIN
T.: (+34) 943 18 70 00 • F.: (+34) 943 18 70 20 • E.: jaso@jaso.com

www.jaso.com

Record attendance

Despite gloomy forecasts, the 2012 Intermat show achieved a record number of visitors and there was plenty of interesting news in cranes and transport. *IC* was there

JASO J360 TOWER



Spanish tower crane manufacturer Jaso showed a new tower crane for sites where space is restricted. Capacity of the J360 is 18 tonnes and the longest jib is 60 metres, at the end of which capacity is 4 tonnes.

It is designed so that the distance from the highest hook position to the top of the tower head is as small as possible. It is comparable with and less than on many flat top cranes, the manufacturer said. A tie is integrated so the jib deformation is lower than flat tops and jib assembly is quick and easy in sections, Jaso said.

Tower sections are 2.16 x 2.16 m and the counter jib is short, at 12.9 m, for a jib up to 40 m, the manufacturer said. All components can be transported in closed containers.

More than 200,000 people visited the 2012 Intermat construction equipment exhibition in Paris, France, which the organiser, Comexposium, said was a record. The previous high was in 2006 when 209,000 people were recorded as having attended the show.

Comexposium also said that the number of identified trade visitors was up 15.8% on the 2009 show, at 145,082 people. Around 34% were from outside France. Some

INTERMAT 2012

1,350 companies took exhibition space, two thirds of which were from outside the country.

The organiser also reported that significant orders were signed during the exhibition. "The total value of the equipment on display over the six days was estimated at US\$ 2 billion, some 5% of

which translated into orders, an equivalent of approximately US\$ 100 million," said Maryvonne Lanoe, exhibition manager.

Some of the news highlights in the crane and transport sector appear below.

Goldhofer presented its new THP/SL6. The six axle heavy duty modular trailer has a maximum 45 tonne loading per axle at low speeds down to 0.5 km/h. It is capable of a 17 tonne axle loading at 80km/h. The capacity is optimised through high bending strength, said the company. Excellent maneuverability is also possible due to high steering angle at loading heights, added Goldhofer. In addition, wheel sets can be replaced quickly and easily. Numerous loading deck variants are also combinable with bogies, added Goldhofer.

SPEED	80km/h	0.5km/h
LOADINGS 6X	17 tonnes	45 tonnes
GROSS WEIGHT, APPROX.	120 tonnes	270 tonnes
DEADWEIGHT, APPROX.	20.75 tonnes	20.75 tonnes



Celebrations to hand over the final unit of an order for 45 Kobelco cranes included the announcement of Mammoet's order for another 250 tonne capacity CKE2500G lattice boom crawler. Smashing the sake barrel as part of the ceremony are Herman Smit, Mammoet chief operating officer, centre, and Isao Aida, Kobelco president and chief executive officer.



SCHEUERLE E FASES EXCAVATOR TRANSPORT

New from Scheuerle was an extendable trailer designed to transport large excavators. The low loader trailer with an excavator deck and low radius tyres is an adaptation of the existing Superflex product with moveable wheel bogies, for loads with uneven weights and varying centres of gravity.

Its 245-70 R 17.5 tyres allow for loadings that previously larger tyres were only capable of. This has allowed Scheuerle to develop Superflex around the new tyres which can carry 12 tonnes per axle line at 80 km/h and 14 tonnes at 10 km/h.

The system allows large machinery to be driven under bridges and other obstacles thanks to turnable plates on the excavator deck that adjust the height of the trailer bed.





Terex launched the Eazy 90 self erecting tower crane. It has a 45 m (147.6 foot) jib length, 6 tonne (6.6 US ton) maximum capacity and a 1.4 tonne (1.6 US ton) capacity at maximum radius. It also features a fully hydraulic erection system.

A choice of 15 underhook heights ranges from 14.5 m (47.5 feet) to 46 m (151 feet) thanks to its telescoping system and a choice of three different jib angle settings: horizontal, 10 and 25 degrees. Three axle versions are available to save time around the jobsite and on the road.

XCMG LAUNCHES FOR EUROPE

Chinese manufacturer XCMG introduced truck and rough terrain cranes designed for the European market. The XCTE30E is a 30 tonne capacity truck crane with a 40.4 m boom and 8.3 m jib.

The RT70E rough terrain has a 70 tonne capacity. Boom length is 43.2 m, plus there is an 18.5 m jib. Both have CE marking.

The units on show were bought by Poland-based XCMG distributor XCMG Europe. The China-based manufacturer said an all terrain

crane designed for Europe will follow, possibly to be launched at Bauma 2013.



The Terex Roadmaster 5300 truck mounted crane was shown on a Mercedes carrier, a five axle 5548, for the first time



Sany showed three crawler cranes in Sarens colours: the 100 tonne capacity SCC8100, the 150 tonne capacity SCC1500D and the 260 tonne capacity SCC2500C.



New from GGR was the first spider crane on wheels, the Unic URW-295 Radial. It is an adapted version of the 2.9 tonne capacity URW-295 that can be easily manoeuvred thanks to the two sets of wheels added to its chassis instead of the crawler tracks. It has the features of the standard mid-capacity machine, including 600 mm wide body, to simplify site access.



LOCATELLI LIFTS CAPACITY

Italy-based Locatelli has introduced a 65 tonne rough terrain crane and promises to launch a 75 tonne model by the end of 2012.

The 65 tonne capacity 8700T is the largest in the manufacturer's range and follows the company's acquisition by Remasol Engineering last year.

Remasol specialises in winches for offshore oil pipeline placement. The pair will benefit from each other's technologies, with Remasol looking to introduce telescopic booms.

Locatelli said a 100 tonne capacity rough terrain will follow after the 75 tonne 8800T.



Liebherr's 16 tonne capacity 380 EC-B flat top tower was a surprise launch at the show. It is the largest model in the EC-B range



LAUNCHES APPEARING ELSEWHERE IN IC

- EFFER launched a 46 tonne-metre rated articulated loader crane. See the articulated loader crane feature starting on page 15.
- EUROARGO presented an off road electricity pylon transport and erection vehicle fitted with a Fassi loader crane. See the articulated loader crane feature starting on page 15.
- GIRAF TRACK showed its prototype of an 8 tonne compact telescopic crawler crane. See the telescopic crawler crane feature starting on page 31.
- PM launched a mid-range articulated loader crane specifically for the French market. See the articulated loader crane feature starting on page 15.
- SMIE is introducing new software to drive anti-collision devices, part of a wider information system for operators and site managers. See the Operator assistance feature starting on page 43.
- UNIC launched a 10 tonne capacity spider crane. See the telescopic crawler crane feature starting on page 31.

Experience the Progress.

The new LTC 1045-3.1 compact mobile crane from Liebherr.

- Excellent driver comfort and convenience thanks to variable Single-Cab concept
- Best possible viewing conditions when travelling and in crane operation
- Ready for immediate action as a taxi crane
- Optimized for operations in even the most tightly confined spaces
- High lifting capacity with practical boom system
- Lift cab optional



Liebherr-Werk Ehingen GmbH
P.O. Box 1361
D-89582 Ehingen
Tel.: (0 73 91) 502-0
E-Mail: info.lwe@liebherr.com
www.liebherr.com

LIEBHERR

The Group

Nuclear activity

Heavylift and transport company ALE jacked, skidded and loaded five redundant boilers from the UK's first nuclear power station prior to overseas transportation for recycling.

ALE in the UK worked with Magnox, Low Level Waste Repository (LLWR), the Nuclear Decommissioning Agency (NDA), and specialist metal treatment contractor Studsvik to plan the steam boilers' transport from their location at Berkley nuclear power station in the south west of England to the recycling facility in Sweden.

The 300 tonne, 22 metre long and 5 m wide boilers were moved in three transports from the redundant power station, which ceased generation in 1989.

An ALE push-pull heavy ballast tractor takes the load



On the move to Sharpness docks in the UK



The boilers leave Berkley nuclear power station



ALE push-pull tractors line up with the conventional trailers carrying the 300 tonne boilers



LOW AND WIDE LAUNCH

Talbert Manufacturing in the USA has introduced the 35 US Ton (32 tonne) SRG double drop trailer. It has aluminium pull-outs, which add 2 feet (600 mm) to each side. The idea is to accommodate wider equipment at lower heights, which makes the trailer ideal for road haulers and transportation of large agricultural equipment such as sprayers and combines, said the manufacturer.

The tandem axle trailer is 48 feet (14.6 m) long overall, a 29 foot (8.8 m) deck with a rated 35 US tons distributed load and a possible 30 US tons (27 tonnes) in each 10 feet (3 m) of deck length. The 8 foot, 6 inch (2.6 m) deck can extend to 12 feet, 6 inches (3.8 m) with the optional aluminium pull-outs. In addition, the 35 US ton SRG offers an ultra-low 18 inch (457 mm) loaded deck height with a 6 inch (150 mm) ground clearance, said the company.

The SRG has a light mechanical removable gooseneck and air-ride suspension for operator comfort. The trailer can be customised and uses heavy-duty T1, 100,000 psi minimum yield strength steel and a four-beam design for durability. It can have aluminium wheels, strobe lights, battery backup, and connections for a flip axle.



It is now owned by the NDA.

The first move involved an 18-axle conventional trailer, two push-pull heavy ballast tractors and a range of other support and escort vehicles. The remaining four were transported two at a time, with a further 36 axles of conventional drawbar trailers, connected to four push pull heavy ballast tractors.

The transport took the boilers 4 miles through Berkeley town centre to Sharpness docks, where they were rolled onto a specialist vessel which took them via the River Severn to Avonmouth. From there the boilers will be transported to a sea going vessel to make the final journey to Nyköping in Sweden.

Once the boilers reach Sweden they will be smelted and up to 90% of the metal will be returned for use in the UK market.

Tricky transfer

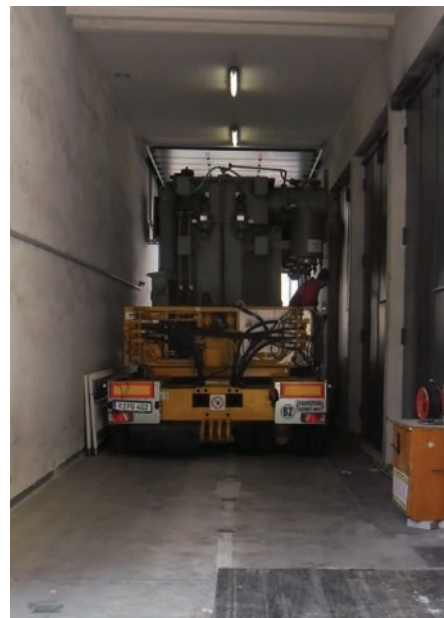
A 76 tonne transformer was loaded onto a platform trailer combination with two mobile cranes on the Platz der Deutschen Einheit (Place of German Unification) in Wiesbaden, Germany. What followed was a tight-squeeze installation job.

Schmidbauer used a Scheuerle 4-axle InterCombi PowerBooster (PB) and a 2-axle InterCombi module. A feature of the vehicle is that it can be pulled by a prime mover and used as a self-propelled transporter with the PowerBooster.

In Wiesbaden, the PowerBooster was used as a self-propelled heavy duty vehicle.

The towing option would not have been possible here due to the existing space, said Scheuerle. The transport was carefully manoeuvred by remote control between parked cars on both sides of the street up to the entrance of the substation. Once at the transformer box, the load was pulled into its final position with the help of rope winches using rails which were mounted under the transformer wheels.

The InterCombi PB is transported to site coupled to conventional InterCombi axles and can be driven as a pulled unit on rough terrain as well as public roads and motorways at up to 80 km/h.



Centimetre precision is required on the journey to the transformer box

The transformer is lifted onto the 4-axle InterCombi PowerBooster and 2-axle InterCombi module

Multi-axle steering proves its worth at the entrance to the sub-station



ABOUT SCHMIDBAUER

Germany-based Schmidbauer has 250 mobile cranes and 150 heavy-duty transport units in its fleet. The company also prides itself in its safety and security record. "Within the maintenance and inspection framework, our equipment is regularly checked, even beyond the statutory requirements."

Equipment is divided as follows:

CRANES

- Mini cranes (up to 12 tonnes capacity)
- Truck loading cranes
- All terrain cranes (up to 800 tonnes capacity)
- Mobile construction cranes
- Crawler cranes (up to 1,250 tonnes capacity)

HEAVY-DUTY TRANSPORT

- Lifting-lever vessel decks
- Special lowbed vehicles
- Special vehicles for transformer transportation
- Heavy-duty platform trailers (THP).



Schmidbauer used rope winches and rails to bring the transformer into position

SENNEBOGEN 60
1952-2012



Saves your money on every construction site: Our telescopic crawler cranes from 16 to 80 t

- Ready to use in no time, easy to transport
- Extremely compact and robust design
- Optimum for lifting, transporting and positioning heavy loads
- Boom lengths from 18.8 to 58 m and lifting capacities from 16 to 80 t
- Service-friendly and controllable technology



SENNEBOGEN Maschinenfabrik GmbH
Sennebogenstraße 10, 94315 Straubing
Phone +49 9421 540-146

GO FOR GREEN
→ www.sennebogen.com



Modulift

working between the hook and the load

Lifting Equipment

Design • Engineering • Manufacture



Spreader beams for 2 - 5000 tonne loads
& spans up to 100m

Lifting beams for 2 - 2000 tonne loads
& spans up to 17m

**Lifting frames, spreader frames
& custom designs**

Quality assured products, fully
tested and certified **designs**

Our spreader beams are
IN STOCK NOW!



UK Sales Office: +44 (0)1202 621511

USA Sales Office: +1 412 436 6162

e-mail: sales@modulift.com

www.modulift.com

Stock available worldwide with distributors in the following locations:
AFRICA - ASIA - AUSTRALIA - EUROPE - MIDDLE EAST - NORTH AMERICA
SCANDINAVIA - SOUTH AMERICA

See our website for our distributors contact details



Compact for concrete

Giraf Track is launching its first telescopic compact crawler crane. It is designed for pick-and-carry duties on construction sites and complements its range of existing range of telehandlers on tracks. EUAN YOUNDALE reports



The prototype of Giraf Track's GT580-3CCB compact telescopic crawler

10 TONNE TREND

Unic also has a new 10 tonne capacity telescopic crawler crane. The range-topping URW-1006 is the biggest compact crane in the world, the manufacturer says. It made its debut at the Intermat exhibition on the Unic Cranes Europe stand.

It offers a 30.7 metre lifting height and 24.3 m working radius, but at 2 m still retains the minimal dimensions required for working in restricted spaces, says the company. An optional luffing fly jib can be adjusted during operation for higher level lifting work when fitted to the six-section hydraulically telescoping boom.

With 4 tonnes more lifting power than the closest model in the range, the Unic URW-706, the URW-1006 is ideal for glass installation and steel erection work where heavy-duty loads need to reach higher working areas, explains the company. The model has a pick and carry function which enables it to tackle loads up to 1.5 tonnes.

It is fitted with a Rayco Wylie i4500 safe load indicator which gives operator feedback on a high-resolution colour LCD screen.



Previous issues of *IC* have explored the diminishing gap between crane types like boom trucks, truck cranes and all terrains, where there is a trend to produce hybrids of these machines. Now Giraf Track has introduced the eight tonne capacity GT580-3CCB telescopic crawler crane, which will eventually double as a telehandler on crawler tracks with the addition of attachments such as personnel basket and pallet forks. It showed the prototype at the Intermat Exhibition, Paris, France in April.

The company has been installing hooks on its telehandlers for some time. Stijn De Lille, Giraf Track managing director, explains, "Initially there was a winch installed on the back of the telehandler-style machine, with a 4.5 tonne capacity. The machine proved it had very good pick-and-carry capacity, but it's never enough so we got the clear request from customers to develop a compact crane."

Although the machine is undergoing final testing it can be ordered now, says De Lille. When testing is complete, optional equipment, such as a bigger hydraulic cylinder, can be installed to bring it up to a 10 tonne capacity. At this higher capacity, the pick and carry option will no longer be available.

"I won't say construction sites are turning away from the telehandler but, in some applications, lifting with a crane style machine is preferred because a telehandler, for some people, maybe just does not provide enough capacity," explains De Lille, "Also, the telehandler is getting more and more restrictions safety-wise. The override switches, and so on, are disappearing. It was often the case that people used the override switch and drove around with loads that were not permissible. But you do need to drive around with these precast concrete panels,

which can weigh 6 or 8 tonnes."

The eight tonne capacity is, therefore, an important achievement for the company, says De Lille. Special tests up to 6 tonnes have already been carried out. "You have to take into account the dynamic effect but we now have a way of testing the machine with six tonnes and that seems to have gone really well and it's already a lot more than any other similar machine."

On the level

The model can lift 3.4 tonnes to a height of 16 metres, and its full 8 tonne capacity is reached at a boom height of 8 m. Horizontally the boom can lift 4.6 tonnes to about 4.5 m and some 760 kg at the maximum radius. It can operate below horizontal to -7 degrees.

The front levelling blade is for compensating on steep inclines. "There are some other compact cranes with a blade at the front but you are not allowed to lift over the blade, it is just to level the ground so the machine can be more-or-less horizontal," says De Lille. "The blade we have developed can compensate for a slope of up to 12 degrees. We can level the machine on a steep slope, say at the entrance to a tunnel or a garage."

De Lille continues, "We are now doing all the testing: maximum allowable slope, maximum capacities, reach, etcetera, so we expect to be able to produce a final load diagram anywhere between now and in a month or so.

"We are already offering the machine as we are quite confident of it, but the production will start before the December shut down."

The near future will see the addition of a fly jib. "People want to lift over 20 m high. We already have all the technology of a telehandler in-house to install a jib with a basket as a platform."



LINDEN COMANSA

TOWER AND LUFFING-JIB CRANES



Construcciones Metálicas COMANSA S.A.

Tel. +34 948 335 020 | Fax. +34 948 330 810
 export@comansa.com | www.comansa.com
 Pol. Urbizkain, Crta. Aoiz Nº 1
 31620 - Huarte (Navarra), SPAIN



Linden Comansa AMERICA LLC

Tel. +1 704 588 7729 | Fax. +1 704 588 3986
 sales@lcacranes.com
 www.lcacranes.com
 11608 Downs Rd. Pineville NC 28134, USA



Hangzhou Comansa JIE Construction Machinery Co. Ltd

Tel. +86 571 8299 5555 | Fax. +86 571 8299 6555
 export@comansajie.com.cn
 www.comansajie.com.cn
 Jingjiang, Xiaoshan, Hangzhou P.C. 311223, CHINA

International heavy lift and transport specialist Mammoet brought together a wide range of its capabilities, including heavy lifting with a pair of 1,350 tonne capacity crawler cranes, to unload a series of barges weighing more than 1,400 tonnes in the Netherlands. Sander Splinter, Mammoet Europe managing director, explained the project to

ALEX DAHM

Unloading stacks of barges, some 135 metres long and weighing as much as 1,460 tonnes, was a challenge for Mammoet where a wide range of in-house capabilities were brought to bear. "This project is an excellent opportunity to show how Mammoet can offer the client a complete solution. By providing a combination of maritime, terminal, heavy lifting, engineering and project management services for a fixed price, we took care of the job," says Sander Splinter, Mammoet Europe managing director.

The job started in China with a load of 18 steel hulls (known as a casco) for inland waterway vessels and two pontoons. The barge hulls, weighing from 400 tonnes to more than 1,400 tonnes, were built prior to an insolvency. A Dutch shipyard bought them all ex-China and had them shipped to the Netherlands.

A semi-submersible heavy lift vessel, the *Blue Marlin* from Dockwise, picked up the entire load in China and sailed to Rotterdam. Mammoet was contracted by client Veka, a Dutch ship and yacht builder, to move and offload the hulls from the two pontoons. Project manager was Jaap van de Riet. The two triple stacks were floated off from the Dockwise vessel in a deep canal and then moved, using Mammoet Maritime tugs, to the company's yard in Schiedam. In addition to its own quay, Mammoet used its own pontoons as floating storage.

The cascos, without their deck house superstructure, were stacked four high with the deck houses loaded together on the top. Some are already sold and will go straight off to shipyards to be fitted out for customers with engines, instrumentation, etc while others will be stored.

Each crane's hook had eight adjustable steel slings shackled to attachment lugs on the hulls for a total of 16 pick points on each load

Positioning one of the two stacked pontoons at the Mammoet quay in Schiedam

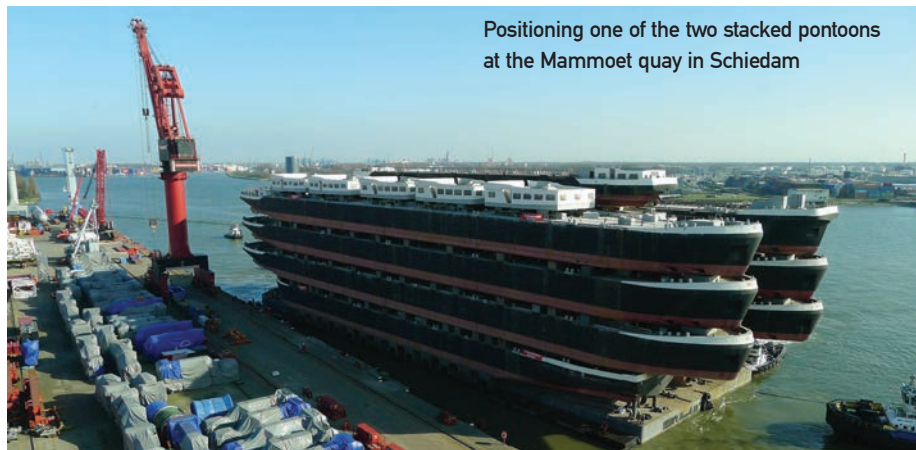


Both pontoons stacked with a total of 18 barges ready for unloading to begin

Stacks of experience



One of the larger "casco" barge hulls being unloaded using a pair of Liebherr LR 11350 crawler cranes lifting in tandem





Sander Splinter
Mammoet Europe
managing director

When the unloading started at the end of March one of the two pontoons was sold in the Netherlands.

While Mammoet's rail mounted PHB crane on the quay has a capacity of 250 tonnes and was used in the project, its capacity is nothing like enough to lift the barges. For that a pair of 1,350 tonne capacity Liebherr LR 11350 crawler cranes were brought in and set up on heavy duty steel matting at the quayside of the Mammoet European headquarters in Schiedam near Rotterdam.

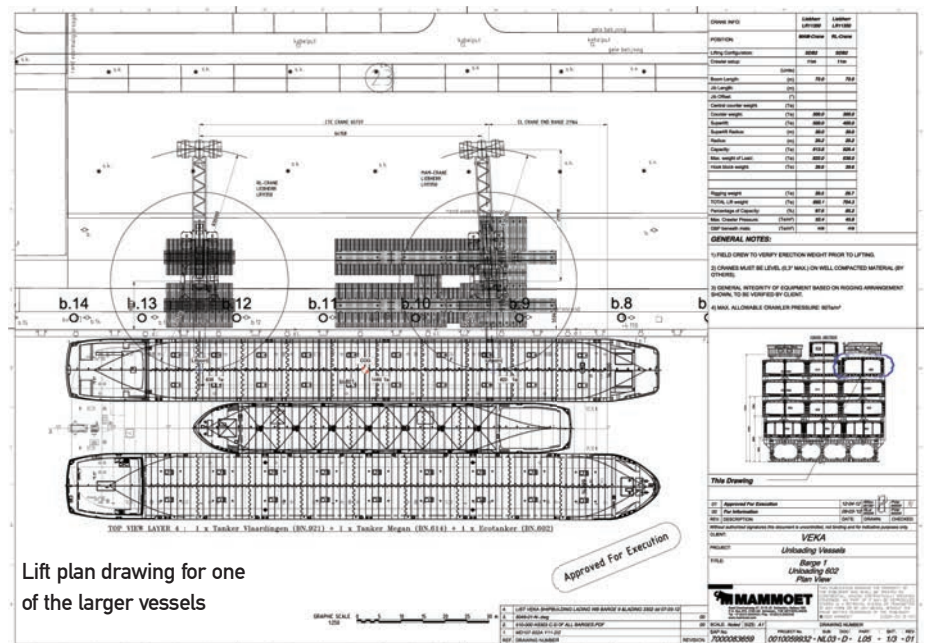
Lifting together

The cranes lifted in tandem and, according to the size of the vessel being unloaded next, one crane was tracked along the quay prior to the lift, to accommodate the different load lengths, which ranged from 72 to 135 metres.

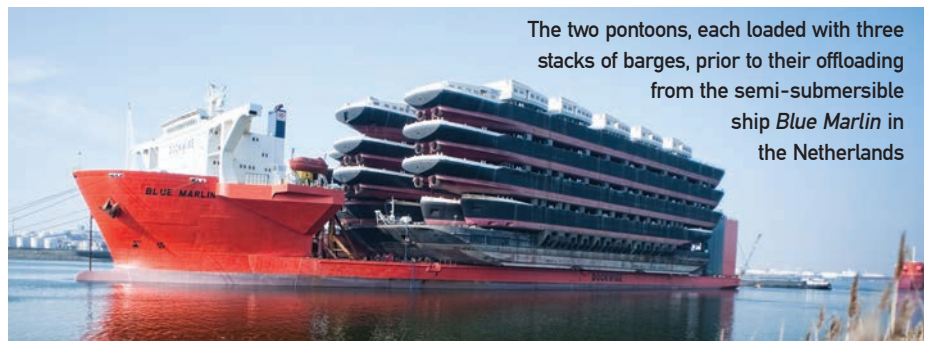
Both cranes were set up in SDB2 superlift configuration with 72 m of main boom. Each one had 300 tonnes of counterweight while one had 500 tonnes of superlift ballast and the other 400 tonnes, both set at 30 m radius.

Other equipment used included a Kobelco crawler crane, a 100 tonne capacity all terrain crane and two Mammoet Maritime pushboats or tugs.

The morning of 5 April saw the lift of one of the heaviest vessels, Barge 1, at 1,460 tonnes. It was in the stack closest to the quayside and was lifted at a radius of 20 m



Lift plan drawing for one of the larger vessels



The two pontoons, each loaded with three stacks of barges, prior to their offloading from the semi-submersible ship *Blue Marlin* in the Netherlands

where the crane with 500 tonnes of superlift counterweight took 892 tonnes of the load (97.6% of its capacity) and the other 704 tonnes (85.2% of capacity), each including a 39 tonne hook block and around 30 tonnes of rigging.

Each crane was attached to the load from its double hook with eight lifting lugs via long adjustable steel slings. The slings on the 16 attachment points had to be adjusted to prevent peak loads. "We did a lot of engineering to get the right rigging," Splinter explains, "Some things were a little different on the vessels from the drawings but we were able to make the necessary adjustments in the rigging."

Mammoet only had one crane available so the other was cross-hired from Roll-Lift. Following completion of testing in March the new machine was taken directly from the Liebherr factory in Germany. "The equipment we need for our projects will preferably be our own, but it must be economical as well. In this case we could only deliver one of our own machines

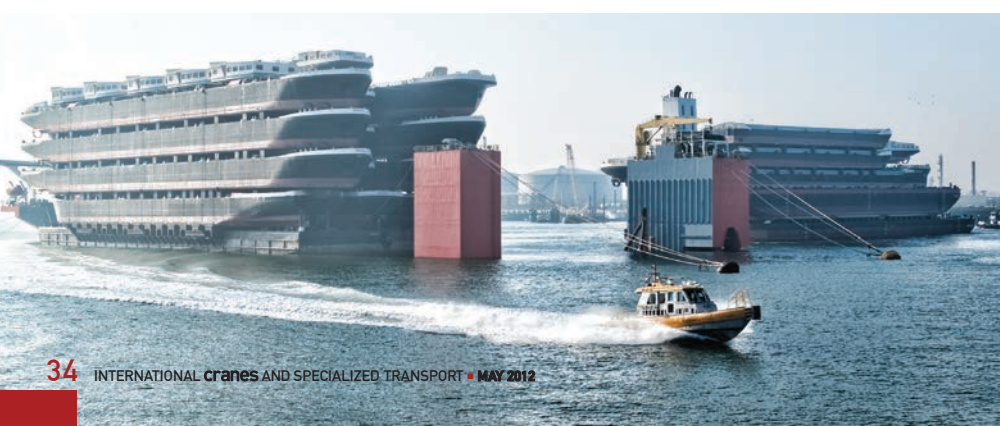
because the other ones are busy in other parts of the world. Our network enables us to find the most economic solution to support our project needs. By managing our subcontractors we make sure that we deliver Mammoet quality to our clients," Splinter explains.

Other capabilities

As well as heavy lifting capability ballasting was also required. The lowest pontoon, the floating one, on top of which the barge hulls were stacked had to be compensated so it remained stable and level as the loads are lifted off. With the pontoon ballasted the sequence was to move it out of the way so that the cranes could lower the suspended load into the water for it to be floated away, ready for the return of the loaded pontoon and for the process to begin again.

"What we achieved is that we brought together a lot of our wide range of capabilities and expertise to complete the job. We have the terminal, we have the marine division and the knowledge to shift the barges, we have the heavy lift capability and we did all the engineering ourselves," Splinter says.

The barges on pontoons moored in Schiedam using a Mammoet floating storage facility prior to offloading. The barges are for commercial use on inland waterways and arrived as basic hulls, some with separate superstructure blocks, ready for installation of power and final fitting out



FAYMONVILLE

TRAILERS TO THE **MAX**



RELIABLE PROGRESS

With heavy haulage systems and specialist trailers from Faymonville you will experience **innovative** techniques which will help you to solve all transport movements in a **secure**, **quick** and **safe** way.

TRAILERS TO THE MAX

FAYMONVILLE DISTRIBUTION AG

Duarrefstrooss 19 | L-9990 WEISWAMPACH

T: +352 26 90 04 155 | F: +352 26 90 04 425 | sales@faymonville.com

www.faymonville.com



AMCO VEBAGROUP

Amco Veba s.r.l.

Via Einstein, 4 - 42028 Poviglio (RE) - Italy

Tel. +39 0522 40.80.11

Fax +39 0522 40.80.80

commerciale@amcoveba.it

www.amcoveba.com



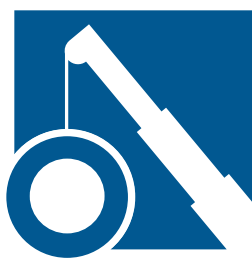
First And Only



A top-class
programme
of industry

leaders has been
assembled for a major new
international cranes and
heavy transport conference
to be held in Istanbul,
Turkey, in June. GRAHAM
ANDERSON reports

Between east



INTERNATIONAL
**CRANES &
TRANSPORT**
TURKEY CONFERENCE

ISTANBUL, TURKEY

5 JUNE, 2012

Called International Cranes and Transport Turkey, this will be a one day Pan Euro-Asian conference and networking event for top executives and senior managers, with emphasis on Turkey and its regional and neighbouring markets.

It will be on 5 June 2012 at the Wow Hotel, next to the Istanbul Expo Center, where the Ankomak construction exhibition opens the following day. This is believed to be the first time such an international cranes and heavy transport conference has been held in Turkey.

The programme contains papers from a broad mix of major user companies, equipment manufacturers and leading expert associations.

Turkey is a market that has been developing rapidly and one of the keynote addresses will be given by Cuneyt Divris, president of IMDER, Turkey's construction equipment manufacturers and distributors association, who will discuss how the industry is dealing with growth.

Another top speaker will be Richard Peckover, ALE's regional director for the Middle East and Africa. He will assess the key challenges when transporting and lifting heavy structures, with special focus on one of his company's major projects in Abu Dhabi. ALE from the UK is one of the world's biggest and most experienced heavy transport and lifting companies. As well as his responsibility for ALE's offices in the Middle East and Africa, Peckover also oversees ALE's global crane and marine engineering divisions.

Also speaking is Hanifi Gürbüz, president of Sarilar, one of the biggest and most influential rental companies in the region. He will discuss the key issues facing the crane market in the region.

There will also be a keynote presentation on the prospects for the regional and global construction economies and the programme will include an extended session on how to improve safety on wind turbine erection projects – a sector that has seen a number of high-profile accidents around the world over the last year. Søren Jansen, secretary general at ESTA, the European Association of Abnormal Road Transport and Mobile Cranes, will lead this. Through ESTA, Jansen has been a key figure in driving the international debate on this issue.

Completing the programme will be presentations from:

- Kerim Basakinci, managing director at Terex dealer DAS. He will consider the changing needs of customers in the crane market
- Turkish firm Hareket, one of the region's top crane rental, heavy lifting and oversize cargo transport companies
- Ceyda Sen from transport expert company Magdenli.

The conference is jointly owned by KHL and Apa Yayincilik, and is organised and run by *International Cranes and Specialized Transport*, *International Cranes Turkey* (Vinç & Proje Taşımacılığı) and *International Construction Türkiye* magazines, with the support of major international manufacturers, users and associations.

The conference will build on the success of the World Crane and Transport Summit and the China International Crane Summit, both successfully run by KHL in Amsterdam and Shanghai.

The event is being backed by gold sponsor Terex, silver sponsors Goldhofer, Kobelco Liebherr and Liugong, plus supporters Faymonville, Load Systems International, Modulift and NCCCO.

KHL has a strong track record in



EVENT INFORMATION

International Cranes and Transport Turkey

WHERE

WOW Istanbul Hotel
Istanbul World Trade Center
34 149 Yesilköy, Istanbul, Turkey.
Telephone: +90 212 468 50 00

WHEN

5 June 2012

SCHEDULE

09.15 COFFEE AND REGISTRATION
10.00 CONFERENCE
13.15 LUNCH
14.00 CONFERENCE
18.00 DRINKS AND NETWORKING

Knowledge need

Rapidly expanding economies often face problems with skills shortages and how to organise and fund suitable training and certification programmes. The question of whether the industry can develop a global certification system for crane operators will be raised by Graham Brent, the executive director of the USA's National Council for the Certification of Crane Operators (NCCCO).

and west

SPEAKERS

Speaker sessions at the inaugural International Cranes and Transport Turkey will include:

- Dealing with growth: the key issues facing the equipment markets in Turkey
CUNEYT DIVRIS, president, IMDER.
- Issues and prospects for the crane rental market in Turkey
HANIFI GÜRBÜZ, president, Sarilar.
- Global safety issues in wind turbine construction and transportation
SØREN JANSEN, ESTA general secretary.
- Project analysis: A cutting edge job from Rumais, Abu Dhabi
RICHARD PECKOVER, ALE regional director (Middle East and Africa).
- The changing needs of customers and future trends – a global manufacturers' viewpoint
KERIM BASAKINCI, managing director, DAS
- Management systems on major heavy transport projects in Turkey
CEYDA SEN, Magdenli
- Certification in the lift zone: a USA view on developing global standards
GRAHAM BRENT, executive director, National Commission for the Certification of Crane Operators, USA

organising top class conferences in the crane and heavy transport sectors. These events bring together communities of senior executives from international contractors, user companies, equipment manufacturers, suppliers and professional firms. They are interested in building new business relationships, debating global best practice and learning about new technical developments and standards.

"This conference is a very exciting development for us. The markets in Turkey and its neighbours are growing fast," said Alex Dahm, editor of KHL's *International Cranes and Specialized Transport* magazine. "Major investment in infrastructure, including power generation projects and in the oil & gas sector, shows no sign of slowing down. Its geographical location provides a unique gateway to Asia, the Middle East and North Africa." ■

■ For the latest information, full programme and details of how to book your place, please go to www.khl.com/catt



"This conference is a very exciting development for us. The markets in Turkey and its neighbours are growing fast. Major investment in infrastructure, including power generation projects and in the oil & gas sector, shows no sign of slowing down. Its geographical location provides a gateway to Asia, the Middle East and North Africa."

Alex Dahm, editor of KHL's *International Cranes and Specialized Transport* magazine

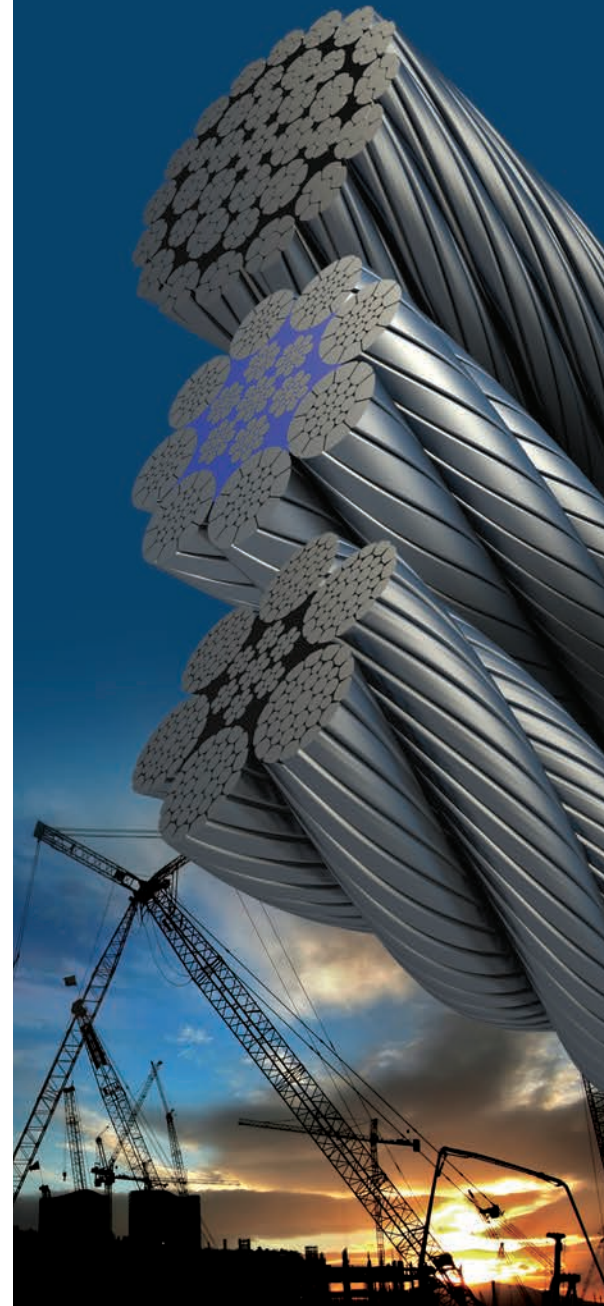
BRIDON

Delivering lasting solutions

Global technology leader

in the manufacture of wire and rope solutions for the world's most demanding applications.

Our superiority relies on continuous innovation, quality assurance and technical expertise throughout the organisation and along the supply chain.



United Kingdom:

Tel: +44(0)1302 565100, sales@bridon.com

USA:

Tel: +1 800 521 5555, marketing@bridonamerican.com

Germany:

Tel: +49(0) 209 8001 0, info@bridon.de

www.bridon.com



McKISSICK® CRANE BLOCKS ARE PRODUCED AROUND THE WORLD IN CROSBY® FACILITIES.

Regardless of where produced, our blocks meet the demanding quality standards for which the industry leading McKissick® brand is known. Over 85 years in the making.



790 Series
Crosby® Europe
Heist-op-den-Berg, Belgium



380 Series
McKissick® Products
Tulsa, OK, U.S.A.



780 Series
Singapore Block and
Sheave Center
Singapore

The McKissick® Advantage:

- Manufactured by an ISO 9001, API QA Certified Facility.
- Mechanism Group Classification according to DIN, FEM and ISO.
- Design factor of 4 to 1 (unless otherwise noted).
- Patented McKissick Split-Nut® Hook Retention System.
- Repair parts available through worldwide distribution network.
- Furnished with McKissick® Roll-Forged™ Sheaves with flame hardened grooves.

Roller Bearings:

- All 380 Series blocks are furnished standard with Roller Bearing.
- All 780 and 790 Series blocks are furnished standard with full complement Cylinder Roller Bearing with Seal.

Single Point Hooks:

- All 790 Series blocks have single point shank hooks that meet DIN 15401 (DIN 15402 duplex hooks are available on most sizes).
- All 380 and 780 Series blocks have single point hooks that are genuine Crosby®, forged alloy steel, Quenched and Tempered, and have the patented QUIC-CHECK® markings (Duplex hooks are available in most sizes).

theCrosbygroup

Glassware

Select Plant Hire used eight Terex CTL luffing jib tower cranes to help construct the European Union's tallest building, in London, UK. A Unic mini spider crane was also used, placed on the rooftop, for installing final steelwork and glass panels. *IC reports*



Five of eight Select Plant Hire Terex CTL luffing jib tower cranes earlier on in the project

Terex luffing jibs slew under blue skies in London in May 2011



Photo: Heinz-Gert Kessel

Contractor Mace Construction Ltd is building The Shard as part of a £2 billion (US\$3.2 billion) London Bridge Quarter regeneration project on the south bank of the river Thames in London, United Kingdom.

The glass-clad tower, designed by Italian architect Renzo Piano, will dominate the London skyline at a height of 310 metres. Covering an area of about 920,000 square feet (85,471 m) over 87 floors, it will include a five-star hotel, bars, restaurants, viewing galleries, luxury apartments and offices for approximately 7,000 people.

The Shard is broad at the base and grows much narrower towards the summit. This results in an increasing distance between the cranes' centreline and the building's core as the structure rises. As a consequence, a special tie system was necessary. "Select came up with a really impressive Mega-tie system," says Francesco

Valente, Terex Cranes tower crane application engineering manager. "Built using 20 m long lattice steel structures made by an experienced local UK engineering team, they needed us to cross-verify that it could withstand wind forces and the weight of the crane under load safely."

Firm mountings

The first and biggest cranes used were Terex CTL 400-24 luffing jib tower cranes configured with 40 and 50 m jibs to lift prefabricated concrete and steel components, weighing up to 19.5 tonnes. One of them was mounted on a steel cantilever grillage erected to a final height of 186 m. The second was erected to a final height of 132 m on reinforced concrete foundations and anchored with a Mega-tie at 93 m.



Photo: Heinz-Gert Kessel

Select's Mega-tie system can clearly be seen anchoring the two external climbing tower cranes on the project about a year ago

“Verifying crane erection and dismantling processes, checking the megatie system to be anchored to the building’s core and calculating the combined impact of heavy lifting and wind forces have all been part of the wide variety of complex calculations and verifications carried out by the application engineering team on The Shard project,” says a company spokesman.

Spider for glass

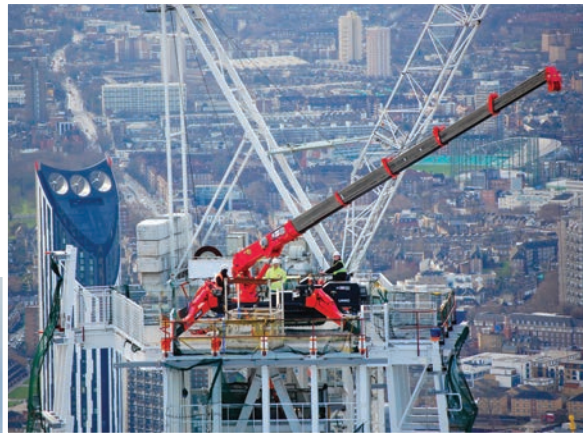
A Unic mini crane has also been busy on the roof of The Shard. The 6 tonne capacity Unic URW-706 mini spider was lifted to a height of 283 m onto the roof of The Shard in January 2012 — making it the highest ever compact crane in Britain.

The crane was dismantled into two pieces and lifted by one of the Terex CTL tower cranes onto the 87th floor of the building which is due to be completed later in 2012.

GGR’s Unic mini crane and specialist operators have been working from the rooftop over the last three months to lift glass panels from a storage unit on the 62nd floor onto the levels above on the north and west sides of the building.



A Terex CTL series luffing jib tower crane lifts the Unic’s boom to the rooftop of The Shard



Work progressing at The Shard in February 2012. The Unic URW-706 mini crane lifts glass panels from the 62nd floor



The Unic crane’s base is lifted 283 m to its position at the top of the building

A total of 11,000 angled glass panels will eventually cover The Shard’s façade which was designed to reflect the London skyline.

The Unic URW-706 compact crane was chosen to work at the summit of the skyscraper thanks to its proven experience with rooftop lifting. The 1.67 m wide crane can be easily dismantled, weighs just 7.9 tonnes yet provides 6,000 kg of lifting power, Unic says.

The variable outriggers were moved via radio remote control before the crane was lowered onto the building’s four main support columns, with little margin for error. The boom was then lifted up to the 87th floor and reattached to the crane, ready for work to commence.



The Shard shares its location, near the south bank of the River Thames at London Bridge station in London, UK, with other construction sites





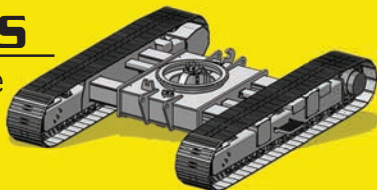
On request:

- Extendable track gauge
- Non-marking rubber tracks
- Customized colours
- Rubber shoes for steel tracks
- Berco original parts
- Customized projects



STEEL TRACKS

Total weight of the machine
from 1 to 120 tons



HIGH SPEED RUBBER TRACKS

from 6 to 15 tons - 10/15 km/h



RUBBER TRACKS

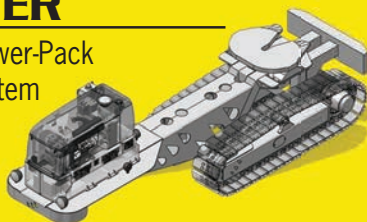
Total weight of the machine
from 0.3 to 11 tons



Let your machine be more stable!
Use our articulated tracks

PRÊT À MONTER

Petrol, diesel or electric Power-Pack
with complete hydraulic system
Total weight of the machine
from 0.3 to 40 tons



POWER-PACK from 6.75 to 78.8 KW

All the hydraulic controls are operated electrically, and if
required can be remote-controlled via cable or radio



GEMMO GROUP s.r.l.

Sede Legale/Commerciale: Via Broli, 66/A
Stabilimento Produttivo: Via della Tecnica, 34
36025 NOVENTA VICENTINA (VI) - ITALY

Tel. 0039.04.44.88.71.41
Fax 0039.04.44.76.06.69
e-mail: info@gemmogroup.it www.gemmogroup.it



Ferrari®



F.lli Ferrari Corporation S.p.A.
Via Einstein, 8
42028 Poggio (RE) Italy
Tel. +39 0522/486311
Fax +39 0522/486330
E-mail: marketing@flliferrari.it
www.flliferrari.com

TRUCK CRANES FROM 1 to 90 Tm.

LOAD SYSTEM INTERNATIONAL'S

WIRELESS WIND SPEED SYSTEM

MARKET TESTED & PROVEN



GS020 WIND SPEED SENSOR

- Monitor wind speed easily and at-a-glance
- Operates from a range of 4,000 ft or 1,300 m
- Set wind speed warning limits to provide visual and audible alarms at critical levels
- Function lockout options
- 2-year battery life from 1 D-cell lithium battery



GS320 WIND SPEED DISPLAY

Please visit our website at www.loadsystems.com or give us a call to find out more about the most diverse range of radio safe load indicators available in the market today

LSI Products now available in
Spanish, Portuguese and French

Members of:



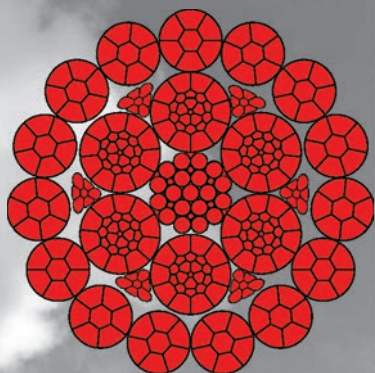
NEW Corporate Load Systems Office
Located in Aberdeen, UK

USA/Canada Toll Free: 1.888.819.4355
International/Direct Tel: +1.281.664.1330
Aberdeen, UK Tel: +44 (0) 7720.592160
Dubai Tel: +971.6.557.8314
Australia Tel: +61 (0) 427.276111
sales@loadsystems.com



Load Systems International
www.loadsystems.com

DIEPA B 75
extremely high breaking force



Diepa®

Special Wire Ropes

DIEPA
Drahtseilwerk Dietz
GmbH & Co. KG
96465 Neustadt bei Coburg
Germany

Phone: +49 (0) 9568 924-0
Fax: +49 (0) 9568 924-101
info@diepa.de
www.diepa.de

Helping out

Operators benefit from an increasing number of assistance devices. EUAN YOUNDALE looks at some of the systems that help and oversee them

Modern technology has ensured that crane operators come under increasing scrutiny from systems built into their machines. Rated capacity limiters, for example, conforming to EN 13000:2010 European Standard have led to well documented concerns, particularly from the USA, that the operator will be prevented from having full control of the crane in an emergency situation. Others, including the European Federation of Materials Handling (FEM), argue the standard will increase overall safety, and assist operators in their jobs. (See the box in this feature of how LSI defines indicators and limiters.)

In addition, new site planning software is controlling the operator's working parameters more than ever before, as well as providing them with advanced information. SMIE, for example, will introduce new combined software to drive anti-collision devices, part of a wider information system for operators and site managers. The Prosite range will ultimately provide operators with information about the entire work site, including the operation of other cranes and when they are shut down for any reason.

The SMIE Prosite range will eventually offer a complete combined service for operators and site managers



AGS has improved its ID4 System with GPS to offer real-time monitoring of crawler crane travel with extreme precision, says the French company

Data concerning the work rate of the cranes will be stored and supplied live via wi-fi to site managers who can set new working parameters for the cranes and send these to the operator. Live feeds from the cameras attached to various parts of the crane will also be available through the network. Data from wind monitoring sensors will also be available along with a range of other safety features. The system will be launched later in 2012.

In control

Liebherr introduced its LiDAT data transfer and location system at Intermat 2012. It provides fleet management of all construction equipment on site from one source, with information being delivered about the location and operation of the machines. This means cranes are remotely monitored to ensure

they are used at an optimum level, says the manufacturer.

LiDAT incorporates all crane-specific data from its EC-B, EC-H, HC-L, HC, and MK tower crane ranges, as well as from the K series self erecting series. Machine data like lifting capacity tables, load cycles, working hours, wind warnings, or scaling data can be checked at any time.

Positioning, operating and utilisation hours, as well as information about service intervals, and monitoring of equipment usage can be carried out at any time via the LiDAT web portal. Automated reports tailored to tower cranes can be created and adopted and stored in other formats. Large construction sites can be split into specific areas and machine groups. "For hirers of machine fleets, LiDAT offers rapid location of the machines, a clear basis for calculation of hire rates, and notification of the use of the units," adds a company spokesman.



Clear picture

Despite this level of monitoring, indicator systems are now routinely installed in crane cabs to provide the operator with a clear picture of working parameters. RaycoWylie Systems introduced the i4500 all-in-one rated capacity indicator at the Intermat exhibition in Paris, France last month. It was installed on the new UNIC URW-1006 10 tonne capacity spider crane. Graham Riley, Unic Cranes Europe CEO said, "The Rayco Wylie safe load indicator gives the operator the choice of full working area limitation, slew limitation and load moment limitation, as well as data logging facilities and feedback."

Described by Rayco Wylie as a new generation of RCI, the i4500 is designed to accommodate all types of cranes for manufacturers working in the construction or offshore industry. "It offers more complete integration with the crane and the ability to monitor advanced operational parameters, such as boom sequencing, outrigger monitoring, range limiting and wind speed," says a company spokesman. Compliant with European safety standard EN ISO 13849-1, the system can centralise the safety information, engine data and camera images all on one clear, full colour display, adds the spokesman.

Another of example of how technology is shifting comes from Hirschmann with its iVISOR mentor QVGA. The consoles come with integrated SLI controls and digital inputs and outputs, as well as CANopen interfaces. They are designed to be compact and withstand tough environments.

"The console forms a central information system which offers the machine operator all the information

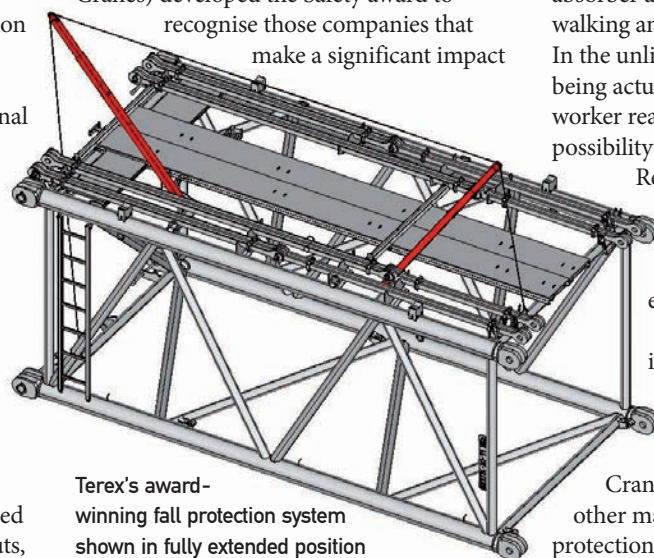
he needs, in functional form, at a glance," said a company spokesman.

The contrast of the LCD display is automatically adjusted using the manufacturer's BestVIEW technology, with ambient temperatures and brightness taken into account, adds Hirschmann. A CANopen interface allows networks to be connected.

Winning design

Turning to another area of safety, Terex won the Safety award at the ESTA Awards of Excellence held on 19 April in Paris, France, for its fall protection system.

The ESTA (European Association of Abnormal Road Transport and Mobile Cranes) developed the Safety award to recognise those companies that make a significant impact



Terex's award-winning fall protection system shown in fully extended position

The Rayco Wylie i4500 is designed for all types of cranes onshore and offshore

on safety by promoting safe work practices and equipment that prevent injuries and accidents.

The fall protection system aids in rigging boom sections of lattice boom cranes. The device includes a vest harness with a shock absorber and provides secured, tethered walking and working on the main boom. In the unlikely event of the fall protection being actuated, it stops the fall prior to the worker reaching the ground, lessening the possibility of injury.

Retracted and stowed on the main boom for transport, the fall protection device is quickly installed from ground level, explains Terex.

"Advancing safety standards is a critical part of our product development process," says Klaus Meissner, director of product integrity for Terex

Cranes who received the award. "No other manufacturer offers such a fall protection system."

LSI EXPLAINS LMI, RCI AND RCL

LOAD MOMENT INDICATOR (LMI):

- Hydraulic cranes: pressure transducers are installed on the rod and on the bore side of the hydraulic lift cylinder and hydraulic control valve.
- Pressure transducers, as a part of the overall load calculation, take the boom weight into consideration.
- An LMI system will more accurately show the effects of boom torque, wind, ice, rain, and so on, on the lifting capacity of the crane.
- Initial system installation requires that the LMI calculates all empty boom moments.
- Each boom configuration is installed and calculated twice, once without test weights and once with test weights.
- Load charts are programmed into the display and the operator can see the load as a percentage of maximum load capacity.

RATED CAPACITY INDICATOR (RCI):

- Typically measures the hoist rope tension with a load cell, tensiometer or line rider, or a load pin.
- Like the LMI, the RCI incorporates load charts into the display but measures the load by monitoring the hoist rope tension.
- Pre-calibrated load cells eliminate high installation costs and aftermarket support costs.
- Designed to warn the operator that rated capacity has been reached.

RATED CAPACITY LIMITER (RCL):

- An RCL functions the same as an RCI, but will also engage solenoid lockout valves, if they are installed on the crane, to limit functions.



The Liebherr LiDAT fleet management system for all construction equipment

Your reel partner



DEMAG s.r.l. Via R. Murri, 14
20013 Magenta (MI) Italy
Tel. +39-02.9784488
Fax +39-02.97003509
E-mail: info@demac.it

Company certified
ISO 9001



Hydraulic hose reels
Reels for electrical cables
Length and angle transducers
Hose reels for oil, water, air, and gas
Combined electro-hydraulic reels

www.demac.it

PROGRESS = BEST PERFORMANCE (LOAD HANDLING / OPERATING SPEEDS) + CONTROL - STRESS



Effer 955 Progress
with CroSStab Integral Subframe

PROGRESS POWER AND CONTROL IN ANY CONDITION

Progress can guarantee a full crane control in order to maximize performances and safety.

Progress optimizes the stability of the truck in any working condition and provides the operator with a constant visual feed-back of the crane's performance.



EFFER S.p.a.
Via IV Novembre, 12
40061 Minerbio
BOLOGNA - Italy
T. +39 051 4181211
FAX +39 051 4181491
info@effer.it
www.effer.com

The LEBUS split sleeve solution



The Lebus Spooling System is precision fabricated and comes with a lifetime guarantee that your wire rope spools smoothly onto and off the rope drum under total control — a totally dependable performance every time.

Lebus split sleeves, engineered for each application, maximise the life of your drum or bring new life to worn drums — the affordable solution for multi-layer spooling.



Contact: Cris Seldenather
Lebus International Engineers GmbH
Tel: (+49) 88 06 958 950
info@lebus-germany.com
www.lebus-germany.com

Specialists in wire rope spooling



WUHAN TIANJIE HEAVY INDUSTRIES CO., LTD.

Fax: +86 21 50137717 Tel: +86 21 50137666

Email: fulangjie25@fulangjie.com

zhush2009@hotmail.com

[EN]www.fulangjie.com [CN]www.whtianjie.com



天捷重装

Tianjie Heavy Industries

*New speakers
announced,
see the website
for more details
www.khl.com/catt*



INTERNATIONAL
**CRANES &
TRANSPORT**
TURKEY CONFERENCE

ISTANBUL, TURKEY

5 JUNE, 2012

GOLD SPONSOR



SILVER SPONSORS



SUPPORTING SPONSOR



CREATED AND
ORGANISED BY



A top level conference and networking event
to exchange information and discuss best
practice on vital industry topics

A one day conference devoted entirely to cranes and transport followed
by an evening networking event. This Pan Euro-Asian conference will
be held on 5 June at the Wow Hotel, next to the Istanbul Expo Center,
where the Ankomak constructions show opens the following day.

For further information please visit

www.khl.com/catt



Summit summary

SØREN JANSEN, ESTA general secretary, provides a preliminary

summary of findings at the Safety Issues in Wind Turbine Installation and Transportation summit

ESTA's expert summit was held on 14 March 2012 in Hamburg, Germany. A detailed summary and conclusion paper of findings will be published by the German crane manufacturers' segment of FEM in the third quarter of 2012. In the meantime, the following summary can be referred to. It outlines the main topics of discussion and any further direction and progress.

Lifting of rotor blades and rotor assemblies

The lifting charts for most, if not all, European made mobile cranes include the following two assumptions:

1. A wind surface of 1 m² per tonne of load lifted.
2. A drag factor CW = 1.2.

Rotor blades or rotor assemblies have a significantly higher wind surface than 1 m² per tonne, often 5 to 10 times higher.

The CW factor of a complete rotor assembly is often 1.5 to 1.8 and *not* the assumed 1.2.

The wind speeds on the crane's load charts are not valid when lifting rotor blades or rotor assemblies. Lifting of these items will require lower wind speeds, compared to the wind speeds allowed, when lifting tower sections or a nacelle. Please refer to the crane manufacturer's manual for the correct wind speed.

It should be remembered that the wind speed referred to in load charts is the so-called '3-second gust', measured at the boom head, and not the average wind speed measured at a 10 m elevation over a 10 minute period.

There are three reasons, among others, why waiting time should be expected and calculated when planning the lifting of rotor blades and rotor assemblies. These are the wind surface of the rotor and rotor assemblies, the CW factor, and the '3-second gust' wind speed. The conclusion is that delays in lifting operations should be expected when lifting rotor blades or rotor assemblies, due to the often significantly lower wind speeds required, due to the above mentioned factors.

Outrigger pressure

It should be remembered that the outrigger pressure chart from the crane manufacturer does not include the added outrigger pressure coming from the wind acting on the crane and its load. When lifting tower sections or a nacelle, an additional 20% of the maximum outrigger pressure, shown in the manufacturer's manual, should be added to establish the correct outrigger pressure value.

This should always be taken into consideration when selecting the proper support plates under the cranes outriggers or under a crawler crane's crawlers.

When lifting a rotor blade or a complete rotor assembly an additional 35% should be added to the outrigger pressure. This should particularly be remembered when lifting down an existing rotor assembly, as a smaller crane is often used here, compared to the one used for erection.

The conclusion is to always remember to add the additional outrigger pressure that is created by the wind acting on the crane and its load. Make sure that the hard stands are designed accordingly and outrigger support plates take this added outrigger pressure into account.

Access roads

In many countries mobile cranes travel with axle loads of 12 tonnes. Due to time constraints, hydraulic cranes are very often moved from one hardstand to the next in a semi-assembled configuration. This requires a number of safety precautions as follows:

The access roads must be able to handle the axle pressure from the crane in its semi-assembled configuration. When traveling on access roads with a super lift attachment or the base section for the luffing jib or part of the counterweight the axle pressure on some axles could increase to 25 tonnes or more. Needless to say, the civil contractor responsible for the construction of the access roads must have full knowledge of this increased axle pressure.

The conclusion is that access roads must be designed to accommodate the crane in



Søren Jansen

the particular configuration it is moved on the site, and not according to a generic axle pressure.

Cross-fall or camber of access roads

When moving hydraulic or crawler cranes in a semi-assembled configuration, the centre of gravity of the crane in question moves to a higher position as measured from ground level. Moving cranes on access roads or any other roads in a semi-assembled configuration should only be done after consultation with the crane manufacturer. The camber or cross-fall of the road must be within the limits outlined by the crane manufacturer.

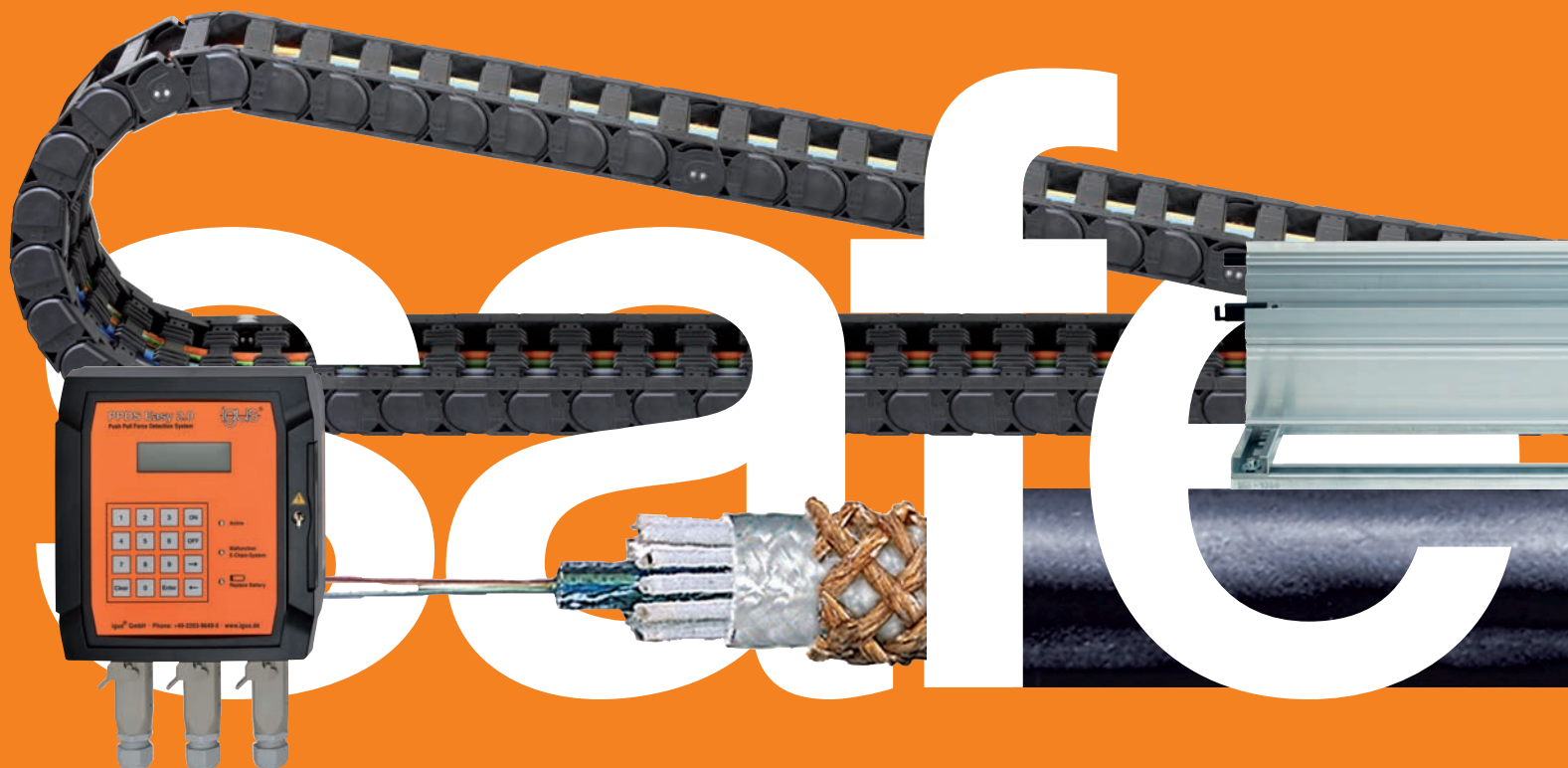
The conclusion is that the road must be designed to accommodate the crane in the particular configuration it is moved on the site.

Lead time

Many hauliers and crane rental companies complained about time constraints regarding lead times. Particularly, but not always, the lead time is often reduced to an unacceptable level towards the end of a calendar year. Without a proper lead time, the danger of cutting corners concerning safety increase. This, in turn, increases the risk of delays during operation.

The conclusion reached is that proper lead times reduce the risk of delays later on during the project.

■ Presentations given during the event are available for download from the ESTA web site: www.esta-eu.org ■



safe power...safe data...safe operation...save money

save



Lightweight, durable and energy-efficient: low-friction P4 roller e-chainsystems® for 57% less drive energy consumption + Easy to install and corrosion-free modular aluminium-guide troughs for less system weight + High-speed data transmission with rugged chainflex® fibre optic cables + Easy PPDS 2.0 condition monitoring system for push-pull forces to prevent downtime.

igus®-cranes.com

plastics for longer life®

igus® GmbH
Spicher Str. 1a

D-51147 Cologne
cranes@igus.com

phone +49-2203-9649-0
fax +49-2203-9649-222

Austria +43-7675-40 05-0
Belgium +32-16-314431
Brazil +55-11-35314487
Canada +1-905-7608448
China +86-21-51303100
Denmark +45-86-603373

France +33-1-49840404
Great-Britain +44-1604-677240
India +91-80-39127800
Italy +39-039-5906-1
Japan +81-3-58192030
Malaysia +603-7880 5475

Mexico +52-728-284-3185
Netherlands +31-346-353932
Poland +48-22-8635770
Portugal +351-22-6109000
Singapore +65-64871411
South Africa +27-11-312-1848

South Korea +82-32-8212911
Spain +34-936-473 950
Sweden +46-42-329270
Switzerland +41-62-3889797
Taiwan +886-4-23581000
USA +1-401-4382200

COMMENT

Joel M Dandrea

It can happen to you



Around the world more people are expected to flock to cities in search of employment and an improved lifestyle, according to the 6 April issue of *The Kiplinger Letter*. *The Kiplinger Washington* editors forecast the creation of eight megacities with populations of more than 20 million each by 2025 – Mexico City, Mexico; Tokyo, Japan; Shanghai, China; Dhaka, Bangladesh; Sao Paulo, Brazil; and Delhi, Mumbai and Kolkata in India. New York, New York potentially could become the ninth. Today, no city has more than 20 million.

Moreover, even more cities are expected to expand to more than 10 million, including seven in China alone. Others on that list include Jakarta, Indonesia; Lagos, Nigeria; Lahore, Pakistan; and Chicago, United States. As many as 40 metropolises could surpass the 10-million mark in about 15 years, up from 23 cities today.

An article last August in *Science Daily* noted a study headed by Yale University's Karen Seto, which predicted that by 2030 urban areas will expand by 590,000 square miles – roughly the equivalent of Mongolia's landmass – to accommodate the needs of 1.47 billion more people living in urban areas. The study found that the expansion of urban areas was happening more rapidly along coasts.

"Of all the places for cities to grow, coasts are the most vulnerable," wrote Seto. "People and infrastructure are at risk to flooding, tsunamis, hurricanes and other environmental disasters." Already, low-lying cities such as New York and Tokyo are considering plans to create seawall and other defences to protect against flooding. These invariably will be major projects, requiring the use of services provided by SC&RA members.

Nobody is better at hauling, lifting and situating such massive projects. SC&RA members in 46 nations are prepared to help meet a host of challenges resulting from phenomenal urban growth regardless of where it occurs. To counter urban sprawl, more

skyscrapers are expected to be built in cities everywhere. The world's largest zero-emissions skyscraper recently was completed in Guangzhou, China. It stands to become the model for new skyscrapers designed to replace existing ones that squander energy, space and other valuable resources.

Likewise, major new roadways will be built and old ones rehabilitated to accommodate the increase in traffic. As fuel prices increase, patience wanes for traffic delays that waste gas – not to mention drivers' precious time. SC&RA's headquarters sits about a mile away from a major example of such a project. This US\$1.5 billion project will add four new lanes to a 14 mile stretch of the beltway surrounding the nation's capital, replace \$260 million-worth of aging infrastructure (58 bridges and overpasses), nearly triple the sound wall protection, and involve several major utility relocations.

In Shanghai and other cities, wind farms are cropping up to eliminate a reliance on coal, which has contributed to poor air quality. In Lagos, Ex-U.S. President Bill Clinton is working to establish large recycling facilities for converting plastic waste into usable items, a plan that could be replicated elsewhere.

Of course, big projects require big budgets. Last year, the World Bank began working with city officials on some urban issues as opposed to national projects. Major foundations, including the Bill & Melinda Gates Foundation and Bloomberg Philanthropies, also have contributed funding – and innovative ideas – to sustainable megacity projects.

By the time this article appears, SC&RA will have selected the winners of its annual Rigging and Hauling Job of the Year competitions. It's safe to say that most of these winners, as well as most of the other entries, will showcase ways that our members provide safe, innovative solutions for projects that will offer cities a better chance for prosperity. ■



WHO'S WHO

SPECIALIZED CARRIERS
& RIGGING ASSOCIATION

EXECUTIVE VICE PRESIDENT

Joel M Dandrea
2750 Prosperity Avenue, Suite 620,
Fairfax, Virginia, 22031-4312, USA
Tel: +1 (703) 698 0291
Fax: +1 (703) 698 0297
www.scranet.org

CHAIRMAN

David Lowry
Bennett International Group
McDonough, GA

PRESIDENT

Michael Battaini
Sheedy Drayage
San Francisco, CA

VICE PRESIDENT

Ron Montgomery
Intermountain Rigging & Heavy Haul
Salt Lake City, UT

TREASURER

Delynn Burkhalter
Burkhalter
Columbus, MS

ASSISTANT TREASURER

Alan Barnhart
Barnhart Crane and Rigging
Memphis, TN

ALLIED INDUSTRIES GROUP
CHAIRMAN

Jim Strobush
Terex Cranes,
Wilmington, NC

CRANE & RIGGING GROUP
CHAIRMAN

Jim Sever
PSC Crane & Rigging
Piqua, OH

LADIES GROUP CHAIRWOMAN

Nichole Cravens,
Ridewell Suspensions
Springfield, MO

TRANSPORTATION GROUP
CHAIRMAN

Paul DeLong, Paul DeLong Heavy Haul,
Las Vegas, NV

SC&R FOUNDATION
OFFICERS

PRESIDENT:

Earl Johnson
Southern Industrial Constructors
Inc./Southern Crane, Raleigh, NC

VICE PRESIDENT:

Robert Moore, NBIS, Atlanta, GA

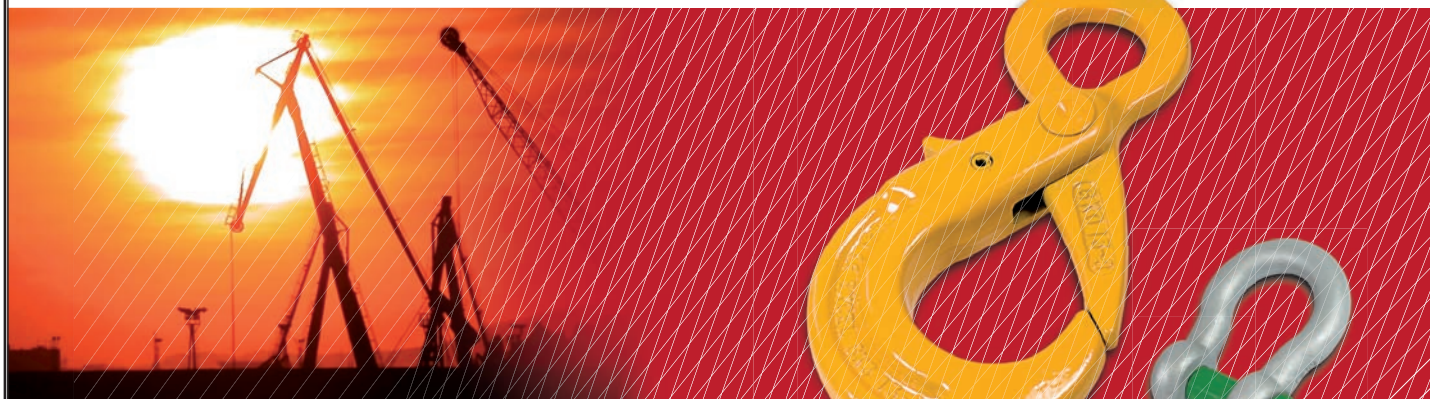
TREASURER:

Jim Sever
PSC Crane & Rigging, Piqua, OH

EXCEL®

Van Beest B.V. is manufacturer and supplier of wire rope- and chain accessories with branches in The Netherlands, Germany, France and USA, and stock holding distributors in over 80 countries worldwide.

Manufacturer of EXCEL® hooks and chain accessories: a genuine made in France product.



Registered trade marks 'Green Pin' and 'Excel'



E-mail: sales@vanbeest.com

www.vanbeest.com

Member of **Van Beest International**

NEXT HYDRAULICS. YOU NEVER LET ME DOWN



Experienced in loads handling. We won't disappoint you. MAXILIFT: Telescopic cranes from 0,2 to 5 tons lifting capacity. MAXISTAB: Additional stabilizers. We keep growing since 1989 • Expertos en la manipulación de cargas. No te fallamos. MAXILIFT: Grúas telescópicas monobrazo desde 0,2 a 5 ton de carga - MAXISTAB: Estabilizadores suplementarios. Desde 1989 seguimos creciendo.

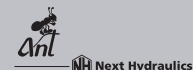
CRANES • maxiliftcrane.com



ADDITIONAL STABILIZERS • maxistab.com



CRANES • maxiliftcrane.com



Next Hydraulics s.r.l. • Via Mediterraneo, 6 - 42022 Boretto (Reggio Emilia) - Italy • tel. +39 0522.963.008 - fax +39 0522.963.039 • www.maxiliftcrane.com | www.nexthydraulics.com





Revival signs

Conference benefits 650 members and guests

Signs of a reviving economy were evident throughout the SC&RA Annual Conference, 17-21 April, in Austin, Texas, USA, *writes Terry White*. Most of the 650-plus attendees visited the 79 booths (a record number) at the Products Fair, with crowds filling the exhibit hall for the full three hours of the event. Among this year's participants were 44 people from eight countries outside the United States – Canada, Germany, Guatemala, Italy, Jordan, Luxembourg, Mexico and the United Kingdom.

Outstanding entries in the Rigging and Hauling Job of the Year competitions ensured that the participating companies and the industry overall will continue to receive favourable publicity for months to come. In addition, there was plenty of buzz about a number of jobs completed or planned for 2012 that had already captured the media's admiration.

Numbers also were up for Safety Awards in both Transportation and Crane & Rigging categories. The second-annual Environmental Award, which went to Link-Belt Construction



The Products Fair functions much like a shopping mall looking for the industry's specialized products and services

Equipment Company, again demonstrated the Association's commitment to Mother Earth.

From the beginning until the end, crowds gathered at board and committee meetings, educational sessions that featured world-class speakers, recreational events and social functions. No empty chairs remained in the spectator section of several of the committee meetings.

Contributing greatly to the quality of all events was the generous support of dozens of sponsoring SC&RA member companies. Look for further information about awards bestowed at the Annual Conference in future issues of this magazine. Start planning now for the 2013 SC&RA Annual Conference, 2-6 April, at the Westin Kierland, Scottsdale, Arizona, USA.

Job of the Year 2012 winners

Six Projects won SC&RA Transportation and Rigging Job of the Year Trophies

Each year SC&RA salutes three hauling and three rigging projects as Jobs of the

Michael Battaini, left, accepts the gavel from David Lowry to become SC&RA's new president



Jim Robertson, Allegiance Crane & Equipment, left, and Clay Thorenson, All Erection & Crane Rental Corp, right, look on as Robert Weiss, Cranes, Inc., recounts some of the regulatory woes of working in New York City during the Tower Crane Committee meeting



Metal Makina İnşaat San. Tic. A.Ş.

40 years
in sheet
processing metal

+90.332. 249 44 44

Horozluhan Mh. Selçuk Cd. No: 189
42300 Selçuklu / Konya / TÜRKİYE
www.ondermetal.com.tr
sales@ondermetal.com.tr

70 meter platform boom

telescopic crane boom

We are
fitting
your crane

crane chassis and components



**SPECIALIZED
CARRIERS
& RIGGING
ASSOCIATION**

Member companies enjoy
the benefits of belonging to **SC&RA**

- ADVOCACY:** SC&RA works on behalf of members to promote change on regulatory and legislative issues – moving the industry forward for safety, productivity and profitability.
- INDUSTRY EXPOSURE:** Attract new customers through a listing in SC&RA's Membership Directory. All members are listed in both the print directory and scanet.org's company search.
- NETWORKING:** Opportunities to meet with top decision makers at SC&RA events.
- EDUCATION:** Sessions on industry specific topics at meetings and additional learning through online webinars.
- AWARDS:** SC&RA annually presents awards for safety and innovative project completions. Outstanding leadership is also recognized giving members valuable industry visibility.
- DISCOUNTS:** Discounted meeting registration and special pricing on products and services.

DISCOUNTS AWARDS SAVINGS EDUCATION NETWORKING ADVOCACY

Visit scanet.org or call (703) 698-0291

**JOIN NOW
ONLY \$595 USD**





In his humorous breakfast presentation, Steve Gilliland outlines a roadmap for success and provides a personal insight on how to Enjoy the Ride

Year. The focus is on ingenuity, hard work and safety. This year's winners included: **HAULING: MOVING (using specialized equipment, such as self-propelled transporters, dollies and crawler assemblies):** Berard Transportation, Inc., Loreauville, La., provided transportation and rigging services to move the world's largest flood sector gates from the fabricator's yard in Houston to the final operating position in waters south of New Orleans, La. Each of the two 690-US ton floodgates measured 130 feet long by 120 feet wide by 32 feet high.

OVER 160,000 POUNDS (NET): Emmert International, Clackamas, Ore., transported four coke drum sections 695 miles from Lewiston, Idaho, to Billings, Mont., surmounting inclement weather; narrow, twisting roads; and organized opposition. Two drums weighed 410,150 pounds and measured 47 feet 9 inches long by 25 feet 1 inch diameter, and two weighed 350,600 pounds and measured 50 feet 4 inches long by 25 feet 1 inch diameter.

UNDER 160,000 POUNDS (NET): Emmert International, Clackamas, Ore., hauled seven compressor skids 2,180 miles from the plant where they were manufactured in Midland, Texas, to the project site in Tupman, Ca. Each compressor weighed 140,000 pounds and measured 44 feet 7



Winners of the Rigging Jobs of the Year are George Young, George Young Companies; Randy Goddard, Atlas Industrial Contractors; and Dan Webb and Matt Brennan, Barnhart Crane and Rigging. Also pictured are, far left, head competition judge Delynn Burkhalter and, far right, David Lowry, outgoing SC&RA president

inches long by 19 feet 4 inches wide by 12 feet 10 inches tall.

Rigging

OVER \$750,000: Barnhart Crane and Rigging, Memphis, Tenn., removed and replaced four feedwater heaters, a condensate cooler and two main feed pump and motor skids inside the condenser shells of both units in a plant upgrade project at the Point Beach Nuclear Station (PBNS) in Two Rivers, Wis. Barnhart engineers designed several pieces of equipment to respond to challenges that included flooring incapable of supporting the weight of the feedwater heater and a host of clearance issues.

RIGGING \$150,000 TO \$750,000: Atlas Industrial Contractors, Ltd., Columbus, Ohio, assisted in the rebuilding of a damaged generator at FirstEnergy Corporation's Sammis Station during the peak of the winter lighting and heating season in Ohio. To deal with overhead obstructions, Atlas employed a 1,000 ton gantry system with a height elevation of 40 feet.

Atlas also used two legs of its 500 ton gantry connected to a tailing fixture. Atlas employed 80 feet of 30-inch track and 30



Companies from all over the world exhibited at the Products Fair



Each year, SC&RA hosts an International Member Reception to thank those who travelled long distances to attend the Annual Conference

feet of 15-1/2-inch track to support and direct the rolling gantries.

UNDER \$150,000: George Young Companies, Swedesboro, N.J., relocated a 107-year old, 103,000-pound monument at Drexel University, Philadelphia, Pa., using 100 ton capacity hydraulic gantries in combination with a 400-ton capacity turntable, and a 500 ton Hydra-Slide system. Multiple eight-foot long custom built skid-shoes allowed for numerous safety cribs to support the lower lift and skid beams and the granite base and easily slide the monument into final position over the waiting foundation.

Look for full details on the Job of the Year winning projects in the next issue of IC.

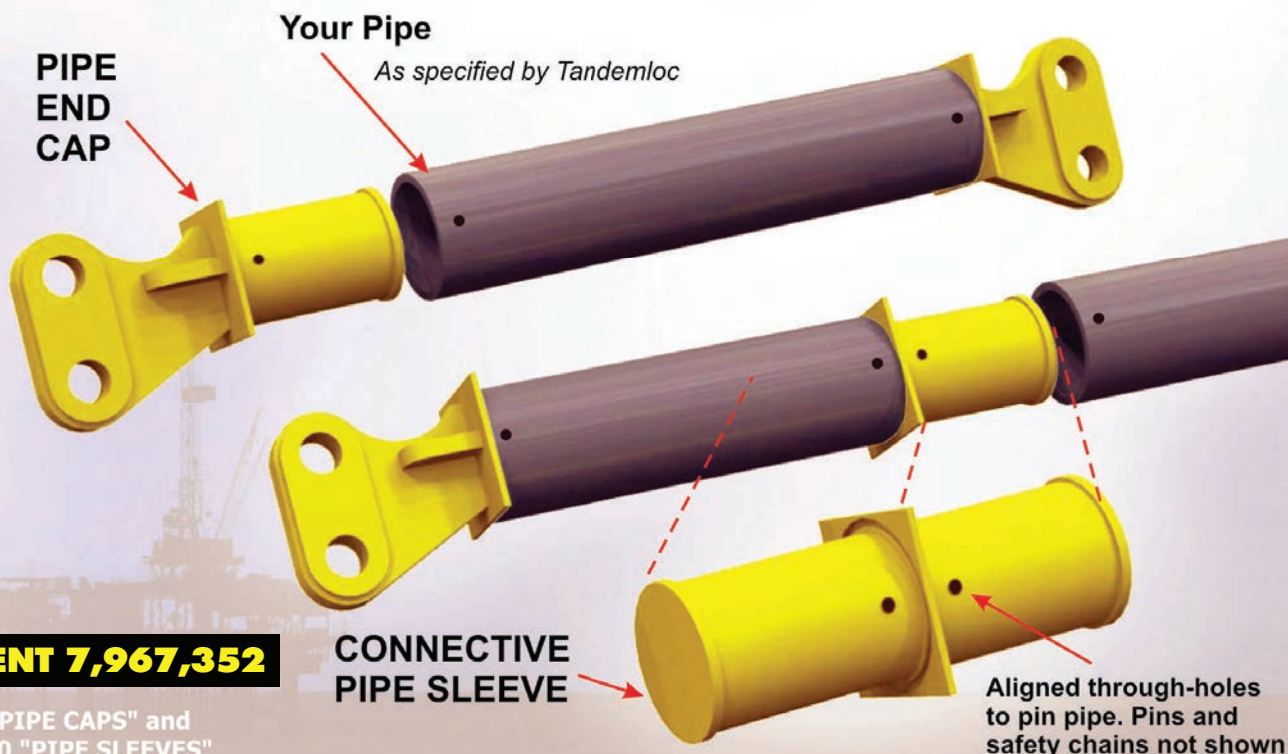
Winners of the Hauling and Moving Jobs of the Year are Terry Emmert (two awards), Emmert International; and Randy and Brett Berard, Berard Transportation. Also pictured are, far left, head judge Al Koenig and, far right, outgoing SC&RA president David Lowry





LIFTING • SECURING • MOBILIZING

SPREADER BAR KITS



PATENT 7,967,352

AC25C "PIPE CAPS" and
AG08A00 "PIPE SLEEVES"

Create the Exact Length You Want —

Slip and pin them together fast. Better than modular designs that use fixed length bolted together sections. Easy-to-use pins replace easy-to-lose bolts and nuts.

Tremendous Capacity Range —

Tandemloc kits allow you to build spreader bars with capacities ranging from 28,000 lbs to over 3 million lbs!

Efficient and Economical —

Reuse pipes for other lengths by cutting shorter or splice them together using Tandemloc "Sleeves"

Save Freight Costs or Add Value —

Buy your pipe locally or buy it from us and we'll paint it and label it for you. We can test the assembly too, upon request. (If you purchase pipe locally, be sure to follow our standards to avoid failure of spreader!)

Huge Inventory on Hand —

We stock virtually every size End Cap we make.

Fast Delivery from Stock

Our large stocking inventory includes a wide range of capacities, which means quick shipment to your site. We can expedite shipment from our North Carolina, USA manufacturing facilities.



PROOF TESTED SINCE 1984

Call Toll-Free: 1-800-258-7324

www.tandemloc.com

Tel: (252) 447-7155 • info@tandemloc.com • TANDEMLOC, Inc • 824 Highway 101 • Havelock, NC 28532 USA

TWISTLOCKS • CONTAINER LIFTING EQUIPMENT • CONTAINER TOW BARS • LOAD LEVELING LIFT SLINGS • ADJUSTABLE LIFT BEAMS

FIXED LENGTH SPREADER BARS • TELESCOPIC SPREADER BARS • FORKLIFT SPREADERS • SPREADER FRAMES • SPREADER BAR KITS

Presentation of 11 trophies for the annual ESTA Awards of Excellence in the crane and transport industry was the highlight of a spectacular dinner in Paris, France, last month during the Intermat exhibition. *IC* reports



Paris winners

ESTA AWARDS 2012 WINNERS

A FULL LIST OF WINNERS OF THE 2012 ESTA AWARDS APPEARS BELOW, ARRANGED BY CATEGORY.

- Cranes, telescopic, lifting capacity less than 120 tonnes:
Wagenborg Nedlift, Netherlands.
- Cranes, telescopic, lifting capacity more than 120 tonnes:
Sarens, Netherlands.
- Cranes, lattice boom:
ALE, United Kingdom.
- Transport, trailer and load under 120 tonnes gross weight:
Heeren Transport, Netherlands.
- Transport, trailer and load more than 120 tonnes gross weight:
Hareket, Turkey
- Combined techniques:
Mammoet, Italy.
- Safety:
Terex Cranes, Germany.
- Innovation, end user:
ALE, United Kingdom.
- Innovation, manufacturer:
Liebherr, Germany.
- SPMT (self propelled modular transporter):
ALE, United Kingdom.
- Gino Koster Award: Herbert Ortner, Palfinger.

A glittering event attended by nearly four hundred leading crane and transport industry people on the night of 19 April saw the announcement and presentation of the 2012 ESTA Awards.

ESTA is the European Association of Abnormal Road Transport and Mobile Cranes. It celebrated its 35th Anniversary in 2011. The Paris Hilton hotel near Charles de Gaulle airport, France, was the venue for the dinner and awards evening that was preceded by an also highly popular networking drinks reception. Representatives from equipment end user companies based in Europe and further afield mingled with those from manufacturers, contractors and others.



Wim Richie of ESTA explaining the judging process for the awards and Sophie van Hoytema, who ran the evening's proceedings



Roderik van Seumeren, former Mammoet CEO, was presented with a special gift by Christian-Jacques Vernazza, ESTA president



Christian-Jacques Vernazza congratulates Ton Klijn, right, at Wagenborg Nedlift, who received the award in the category for telescopic cranes below 120 tonnes capacity, from Willem Spek at Shell, centre



Hendrik Sarens, right, receiving the award for Sarens in the telescopic crane job above 120 tonnes category from Nils Lundgren at Dong Energy



Mark Harries at ALE receives the award for the lattice boom job category from Sergio Pontalto at ANNA



Paul Huigen collected the award for Heeren Transport, the Netherlands, in the category of transport under 120 tonnes gross weight



Engin Kuzucu from Hareket in Turkey, centre, collected the prize in the category of transport project with a gross weight of more than 120 tonnes, from Philippe Chavernac, ESTA board member, left, and Christian-Jacques Vernazza, ESTA president



Alberto Galbiati at Mammoet Italy, centre, and Sander Splinter who heads Mammoet in Europe, collecting the award for Combined Techniques from Alex Dahm, IC editor, right



Klaus Meissner, left, accepts the Safety award for Terex Cranes from James King at KHL

BELOW: Liebherr was presented with the manufacturer innovation award by Søren Jansen, ESTA general secretary, second left



Ambro Smit, above, presented the end user innovation award to Kees Kompiet at ALE, left



RIGHT: Herbert Ortner, Palfinger CEO, was presented with the Gino Koster Award



Mark Harries, centre, received the award in the self propelled modular transporter (SPMT) category, on behalf of ALE, from Peter van Dam, right

THE MUST ATTEND EVENT FOR
THE DEMOLITION INDUSTRY

WORLD DEMOLITION SUMMIT 2012

CREATED AND ORGANISED BY
d&ri
EDA
EUROPEAN
DEMOLITION
ASSOCIATION

NH GRAND HOTEL KRASNAPOLSKY AMSTERDAM 1 NOVEMBER 2012

CONFERENCE & AWARDS



NOW IN
ITS 4TH
YEAR

A top-level
conference
and gala Awards dinner
focussing on best practice
and critical issues



- Hear how top projects were completed safely and on time
- Discuss the latest thinking on training and safety
- Meet industry leaders from top international firms
- Hear about the latest innovations
- Learn about the prospects for your markets world-wide
- Network with fellow professionals and see who wins at the prestigious gala awards dinner

*Awards entry
deadline!
27 July 2012
Entry forms available from
www.demolitionsummit.com*



khl
EVENTS

SILVER SPONSOR

KOMATSU

BRONZE SPONSORS

Atlas Copco

CAT

LIEBHERR

www.demolitionsummit.com

HYVA® CRANE

TRUCK MOUNTED CRANES



www.hyvacrane.com
www.hyva.com



INTERNATIONAL CRANES & TRANSPORT

LATIN AMERICA CONFERENCE

SÃO PAULO, BRAZIL

28 MAY, 2012

SCAN HERE TO
FIND OUT MORE



GOLD SPONSORS



SILVER SPONSORS



SUPPORTING SPONSORS



SUPPORTING ASSOCIATIONS



Specialized
Carriers
& Rigging
Association



(PROVISIONAL*) PROGRAMME

MORNING SESSION

08:30 – 09:30 Coffee and registration

09:30 – 09:35 OPENING REMARKS: conference chair

09:35 – 10:05 Prospects for the construction economy – a global and Latin American perspective

■ Helen Joyce, Brazil bureau chief, The Economist

10:05 – 10:40 KEYNOTE: Dealing with growth: Key issues facing the crane rental market in Brazil

■ Giancarlo Rigon, director, BSM Engenharia and member of Sobratema

10:40 – 10:50 Q & A

10:50 – 11:10 Morning coffee

11:10 – 11:45 How manufacturers can improve their response to customers' changing needs and fast growing markets

■ Francois Jourdan – Vice President – Terex Cranes Global Marketing

11:45 – 12:20 Safety and wind turbine construction and transportation

■ David Rodrigues, CCO, Makro Engenharia

12:20 – 13:00 CHINA FORUM: strategy and the growth of China's crane manufacturers
SPEAKERS TBC

13:00 – 13:10 Q & A

13:10 – 14:00 Lunch

CREATED AND ORGANISED BY



AFTERNOON SESSION

14:00 – 14:25 Barriers to development; the challenges facing Brazil's heavy transport and crane sectors

■ João Dominici, Executive Vice President, Sindipesa

14:25 – 14:50 ALE's Mega Jack System – an industry innovation shows its strength in Latin America

■ Javier Martinez, executive director Spain and the Americas, ALE's technical advisor, civil construction engineering division, ALE

14:50 – 15:15 Global best practice in heavy transport: The need for worldwide standardisation in training, safety and engineering practice

■ Marco van Daal, founder and owner, The Works International, head of Caribbean Heavy Lift & Transport

15:15 – 15:25 Q & A

15:25 – 15:45 Afternoon tea

15:45 – 16:10 Safety and the operation of hydraulic gantries

■ Camilo Filho, technical director, IPS Engenharia de Rigging, and member of Sindipesa

16:10 – 16:35 Certification in the lift zone: Can global standards apply in Latin America?

■ Graham Brent, executive director, National Commission for the Certification of Crane Operators, USA

16:35 – 17:00 Safety and the operation of hydraulic gantries

■ Camilo Filho, inspetor certificado de guindastes e lingadas, IPS, and member of Sindipesa

16:35 – 17:00 How the latest tower crane technology is improving safety on construction sites

■ Andreas Heipl, Liebherr

17:00 – 17:25 Effective teamwork: how manufacturers and users can work together to deliver successful specialized transport projects

■ Rainer Auerbacher, area sales manager, heavy duty modules, Goldhofer

17:25 – 17:45 Q & A

17:45 Drinks and networking reception

*The programme may change at any time

Practical pumping

The new P-series Ultima steel hand pump from Enerpac is designed for easy and safe operation, as well as for extended life. The high pressure, up to 700 bar, pumps are also suited to rugged applications.

Handling effort is reduced by up to 20 % on the upgraded P-series Ultima, said

Enerpac, without compromising speed or performance. Its bypass system further reduces loads often created by two-stage pumps. Loads are also better distributed through the new Power Push handle grip and linkage design. A vent-free reservoir eliminates performance and spillage problems, while the fill plug is conveniently located on the



top of the hand pumps, added the company.

■ For more information see www.enerpac.com

GUIDING LIGHT



"Thumbing through the OSHA Subpart CC standard is one thing – comprehending your company's specific compliance needs, is another," said Edwin Robinson, president of Ward-Allen Publications, which has introduced the *SIMS Guide for Cranes and Derricks* (Volume 11).

According to Robinson, the pocket-sized guides eliminate the tedious referencing process by formatting regulations into an organised, condensed form. It incorporates a flip-tab table of contents designed for quick access to information. "It is presented as a two-part volume designed to comfort that comprehensive and intimidating feeling commonly encountered in the field," explained Robinson.

A number of other similar guides aimed at different sectors of the construction industry will soon be released, Robinson said.

■ For more information see www.sims-guide.com

Duo resistance

Holmatro has introduced a new generation of short stroke and flat hydraulic cylinders with spring return.

Both types of cylinders are based on the company's Duo Power Ring concept: a combination of a seal and a highly durable composite bearing. The seal ensures an excellent static and dynamic seal, said the company, which prevents metal-to-metal contact. They also give resistance against side load to a maximum of 10%, added the company, "This provides the user with a longer life and also

a longer servicing period."

The flat cylinders with spring return were designed for use where construction height is very restricted and other cylinders do not fit. Both are fitted with a spring that pulls the plunger back after use. With average use, Holmatro recommends servicing once a year. This frequency could be higher when the cylinders are used more often under extreme conditions. They both comply to the ASME B-30.1 standard.

■ For more information see www.holmatro.com



FAR AND WIDE



JLT Mobile Computers has launched the broadband and GPS-equipped JLT 1214S in-vehicle computer designed to provide truck drivers with a rugged all-in-all mobile office.

"The new computer enables drivers to receive orders and communicate with customers and their transport offices using voice, video, instant messaging, SMS and e-mail. As a fully mobile computer, the 1214S will also run any type of application software required for the end user application," said Christian Funk, JLT Mobile Computers product and marketing manager.

Fitted with integrated speakers, the JLT 1214S is built and tested to IP65 for ruggedness, with enhanced cable connection seals. It operates in temperatures ranging from -30 to +55 degrees Celsius.

■ For more information see www.jltmobile.com



Picture of the month

Leicester Heavy Haulage transporting a paper drying cylinder in the UK on a modular trailer pulled by a DAF XF truck. Note the second tractor unit at the rear of the trailer. David Weston took the picture

PEOPLE NEWS



■ **LARRY POSTELWAIT** is retiring from the The Crosby Group after more than 40 years at the

company. For the last 25 years he has been president and chief executive officer.



■ **JASON STRUTHERS** at The Crosby Group has been named as Postelwait's replacement, effective immediately.

Postelwait will stay on board until a smooth transition has been completed, said the company. Struthers brings nearly 20 years of global industrial manufacturing experience and, most recently, was president of Kohler Power System at Kohler Co.

■ **ERIK SCHIPHORST** has been appointed director marketing

and sales of Groeneveld Transport Efficiency in the Netherlands. Schiphorst will be

responsible for more than thirty wholly owned Groeneveld subsidiaries, importers and dealers. From August 2005 he was vice chairman of the board at TVM Insurances.



ACE Winches has received two awards at the 2012 Offshore Achievement Awards (OAA) in Aberdeen, Scotland. Winning the Export Achievement Award for a second time since 2010 recognises the company's export growth in the offshore energy sector. In The Great Large Company category, for those with more than 50 employees operating in the offshore energy industry, ACE received a Highly Commended award.

OAA Winners: front row, first left, Alfie Cheyne, ACE Winches CEO; second row, first left Valerie Cheyne, CFO



■ Send picture of the month entries and all other back page-related information to *International Cranes and Specialized Transport*, KHL Group, Southfields, Southview Road, Wadhurst, East Sussex TN5 6TP, UK or by e-mail to alex.dahm@khl.com. Picture caption entries should include: the month and year taken, the place, type of crane, owner and project, plus any other relevant information.

EVENTS DIARY

CRANES & TRANSPORT LATIN AMERICA

28 May 2012
São Paulo, Brazil
www.khl.com/events

M&T EXPO 2012

29 May – 2 June 2012
São Paulo, Brazil
www.mtexpo.com.br

CRANES & TRANSPORT TURKEY

5 June 2012
Istanbul, Turkey
www.khl.com/events

ANKOMAK

6 – 12 June 2012
Istanbul, Turkey
www.ankomak.com

CICA CONFERENCE

5 – 7 September 2012
Adelaide, Australia
www.cica.com.au

SC&RA WORKSHOP

19 – 21 September 2012
Kentucky, USA
www.scranet.org

INTERMAT MIDDLE EAST

8 – 10 October 2012
Abu Dhabi
www.intermat-middleeast.com

INTERNATIONAL TOWER CRANES CONFERENCE

11 October 2012
Berlin, Germany
www.khl.com/events

SAIE 2012

18 – 21 October, 2012
Bologna, Italy
www.saie.bolognafiere.it

BC INDIA 2013

5 – 8 February 2013
Mumbai, India
www.bcindia.com

BAUMA (MUNICH)

15 – 21 April 2013
Munich, Germany
www.bauma.de

BAUMA AFRICA

18 – 21 September 2013
Gallagher Convention Centre (GCC), Johannesburg, South Africa
www.messe-muenchen.de

CONEXPO-CON/AGG 2014

4 – 8 March 2014
Las Vegas, USA
www.conexpoconagg.com



FREE MAGAZINE SUBSCRIPTION

1 CHOOSE YOUR MAGAZINES AND/OR E-NEWSLETTERS:

- International Cranes and Specialized Transport ☐
- American Cranes & Transport ☐
- World Crane Week e-newsletter ☐
- International Construction ☐
- Construction Europe ☐
- International Construction Turkey ☐
- World Construction e-newsletter ☐
- Construction Latin America ☐
- Construction Latin America e-newsletter ☐
- International Rental News ☐
- International Rental News e-newsletter ☐
- Access International ☐
- Access Lift & Handlers ☐
- Access International e-newsletter ☐
- Access Lift & Handlers e-newsletter ☐
- Demolition & Recycling International ☐
- World Demolition Week e-newsletter ☐

2 ORGANIZATION TYPE

- Construction contractor/consultant ☐
- Crane rental ☐
- Specialized/Heavy Transport ☐
- Industrial establishment ☐
- Docks/Harbours ☐
- Manufacturer of lifting equipment ☐
- Agent/Distributor ☐
- Government/Defence/International authority ☐
- Utility ☐
- Windpower ☐
- Other ☐

3 YOUR DETAILS

Name: _____

Job title: _____

Company: _____

Address: _____

Country: _____

County/State: _____

Post code/Zip code: _____

e-mail: _____

4 FORMAT OF MAGAZINE

PRINT ☐

DIGITAL ☐

BOTH ☐

5 SIGN AND DATE:

Signature: _____ Date: _____

5/12

POST TO: KHL Group, Circulation, Southfields, Southview Road, Wadhurst, East Sussex, TN5 6TP, UK

FAX BACK: +44 (0)1892 786260 or +44 (0)1892 784086

REGISTER ONLINE: www.KHL.com/subscriptions/ic

E-MAIL: circulation@khl.com

www.PARTGLOBAL.COM

Quality Crane Spare Parts

YOUR ULTIMATE CRANE SPARE PARTS ONLINE SHOPPING MALL

"Join us today to receive monthly stock updates"



MONTHLY SPECIAL FRICTION PARTS



NISSAN DIESEL MITSUBISHI KATO KOBELCO
SUMITOMO HITACHI TADANO P&H

ZWAGERMAN MATERIEEL B.V.
Middenweg 81/1394 AE NEDERHORST DEN BERG (NL)

FOR RENT OR SALE

A CHOICE OF MORE THAN 85 CRANES FROM 30 UP TO 280 TONS



ZOOMLION QY 70
Fabrication : Zoomlion
Type : QY 70
Max. tonnage : 70 Ton
Boomlength : 39 Metre
Buildingyear : 2008-7
Engine : CUMMINS
Type : QSB 6.7-C205

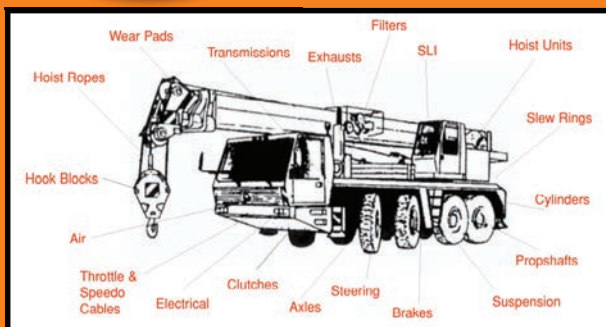


KOBELCO 7100
FABRICATION : KOBELCO
TYPE : 7100
MAX. TONNAGE : 120 TON
BOOMLENGTH : 37 METRE
LUFFING JIB : 35 METRE
BUILDINGYEAR : 2001
ENGINE : MITSUBISHI
TYPE : 6D22T

Tel: +31.(0).294.25.33.77 E-mail: info@a-bcranes.com
WWW.ZW-CRANES.COM

Specialising in:

- COLES CRANES
- GROVE CRANES
- KRUPP CRANES PARTS



Cranepart caters for most Makes and Models of Crane both old and new and specialises in those Parts you find difficult to locate.

CONTACT BRIAN REYNOLDS

Cranepart Ltd Unit 7F, Riverside Road Industrial Estate,
Southwick, Sunderland, Tyne & Wear, SR5 3JG
Tel: +44 (0) 191 5169881 Mobile: +44 7713 061888
Fax: +44 (0) 191 5169645
email: parts@cranepart.co.uk

www.cranepart.co.uk

GRUE TECHNOLOGIE

KRAN SPEZIALISTEN S.A.

www.grue-tech.com www.crane.lu

CRANE TRADING • LEASING • BARE RENTAL






Grue Technologie S.A.R.L.
10 Avenue Molière
F - 67200 Strasbourg
Tel: +33-3-69810989
Fax: +352-2610-2269
info@grue-tech.com

Die Kranspezialisten S.A.
7A, z.a. "Am Brill"
L-3961 Ehlange/Mess
Tel.: +352-2610-8555
Fax: +352-2610-2269
info@crane.lu

Sarilar Group



Terex CC8800-1



SARILAR ULUSLARARASI NAK. İTH. İHR. LTD. ŞTİ.
Barış Mahallesi Güney Yan Yol Caddesi
No. 334-336 Gebze - Kocaeli / TÜRKİYE

Phone : +90 0262 641 85 89 (pbx)
Fax : +90 0262 641 13 01
Mobile : +90 0532 755 1907



www.sarilar.com
info@sarilar.com.tr

ISO 9001
ISO 14001
OHSAS 18001
SARILAR PORTAL
SARILAR



UCM HOLLAND

FOR SALE

CRANE & PART SALES



Demag AC 180

Metric ton: 180

Type: AT

Year: 1999

Mainboom: 60m

Jib: 20,5 swing away jib and
38,5 fixed jib 2 winches +runner

Comments:

New telescopic cylinder

Full boom inspection

Quick boom remove kit

Boom float kit



Krupp 350 GMT

Metric ton: 350

Type: AT

Year: 1986

Mainboom: 52m

Jib: fixed and luffing

Comments: 64m luffing jib. Superlift machine is in tip top condition, rebuilt slew ring, rebuilt boom cylinders, rebuilt telescopic cylinder and new lower cab. Machine was fully rebuilt and updated in 2011

Check our website www.ucmholland.com to view all our cranes & parts:

Tel office: 00 31 - (0) 252 235 468 Used parts: 00 31 - (0) 655 886 363 (Mr. Kees van Duijn) Email: kees@ucmholland.com
Used cranes: 00 31 - (0) 653 375 050 (Mr. Maarten Verschoor) Email: info@ucmholland.com/nl

JRL

SERVICE THAT COUNTS

London Tower Crane Hire & Sales Limited

THE TOWER CRANE SPECIALISTS

SERVICES...

- > HIRE
- > SALES
- > SERVICING
- > SPARE PARTS
- > TECHNICAL BACK-UP
- > TAC 3000 ZONING SYSTEM
- > WORLDWIDE

4 Elstree Way, Borehamwood, Hertfordshire, WD6 1RN • Tel: +44 (0) 20 8327 4060 • Fax: +44 (0) 20 8236 9391
sales@londontowercranes.co.uk • Web: www.londontowercranes.co.uk • ISO 9001 REGISTERED COMPANY

TEREX | COMEDIL

SAEZ
GROUP

JOST

YONGMAO

YONGMAO

LIEBHERR

MICHELSENS trading



MICHELSENS TRADING NV Bisschoppenhoflaan 275, 2100 Antwerp (Deurne) - Belgium
Tel: 0032 3 324 40 00 - Fax: 0032 3 888 42 22 - Email: trading@cranes4u.com

NEW XCMG CRANES

CE-tested + Belgian Homologation
Michielsens quality proofed



GALION

- GALION 150A

LIEBHERR

- LTM 1045-3.1

KRUPP

- KMK 3050

XCMG

- QY25K5
- QY50K
- QY70K (with automatic Allison transmission)
- QUY80E (CE) Crawler Crane

FAUN

- FAUN ATF 50/3

GROVE

- GROVE GMK 2035



XCMG QY70K



LTM 1045-3.1

www.cranes4u.com



Your partner for used mobile cranes

Tel.: +49 (0)2853 60414 0 Fax: +49 (0)2853 60414 44

Im Heetwinkel 38, D-46514 Schermbeck

Email: mail@imc-cranes.com web: www.imc-cranes.com

120 t



Krupp KMK 5120, 1994

100 t



Grove GMK 5100, 2001

80 t



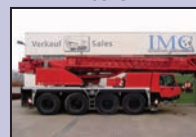
Demag AC 80-2, 2005

70 t



Demag AC 60, 2002

65 t



Tadano Faun ATF 65G-4, 2007

60 t



Liebherr LTM 1060-2, 2001

60 t



Tadano Faun ATF 60-4, 2000

45 t



Krupp KMK 3045, 1993

Prices on request/
Subject to alteration
and prior sale/ Colour
variation possible

Further cranes / Coming soon

40 t, Demag AC 40, 2002

120 t, Liebherr LTM 1120-1, 2001

80 t, Tadano Faun ATF 80-4, 2005

130 t, Grove GMK 5130, 2008

120 t, Demag AC 120, 2005

Please see all cranes on our website: **www.imc-cranes.com**



Used Cranes

- ✓ All Terrain Cranes, all sizes and makes
- ✓ Quality checked and approved by TADANO FAUN
- ✓ TADANO FAUN factory repair and reconditioning

Spare Parts

- ✓ Original manufacturer parts
- ✓ Immediate shipment including overnight delivery
- ✓ International Distributors and Service Network

For further details, please refer to our
homepage and / or get in touch!

www.tadanofaun.de



**SPECIAL OF THE MONTH
'USED CRANES'**



TADANO FAUN ATF 30-2

Max. capacity: 30 t
Year: 1994
Mileage: ca. 166.000 KM
Working hours: ca. 19.000
ID code: 20213

Subject to prior sale!

**SPECIAL OF THE MONTH
'SPARE PARTS'**



TADANO FAUN GmbH
Faunberg 2
91207 Lauf a.d. Pegnitz
Germany

Phone: +49-9123-955-121
E-mail: used@tadanofaun.de
Phone: +49-9123-955-200
E-mail: spareparts@tadanofaun.de

**MANUFACTURING BASE
EASY TO REACH - JUST 20 MIN
FROM NUREMBERG AIRPORT!**



WORLDWIDE PURCHASE, SELLING & PROCUREMENT

Tel.: +49 (0) 8252 70553 10 - Fax: +49 (0) 8252 70553 11
sales@aca-cranes.com



Demag AC 30 City
30 t YOM 2002



Liebherr LTM 1030-2
30 t YOM 1998



Faun ATF 60-4
60 t YOM 2000



Liebherr LTM 1090-2
90 t YOM 1998



Faun ATF 100-5
100 t YOM 2000
Damaged!



Liebherr LTM 1160-2
160 t YOM 1997



Grove GMK 5220
220 t YOM 2011



Demag AC 400
400 t YOM 1998



Demag CC 2800-1
600 t YOM 2006

www.aca-cranes.com

PVE CRANES & SERVICES, WORLDWIDE RENTAL AND SALE OF CRAWLER CRANES

**We have a constant stock of 70 cranes ranging
from 50 ton up to 1000 ton**

Bauer MC64 Heavy Duty
2 x 25 ton freefall winches

Liebherr LR1300,
300 ton capacity

Kobelco CKE2500,
250 ton capacity

Liebherr LR1750,
750 ton capacity

Demag CC2800,
600 ton capacity

Kobelco SL6000,
550 ton capacity

Everdenberg 17 • 4902 TT Oosterhout, The Netherlands
T +31 (0)184 425 949 • F +31 (0)184 424 820
info@pvecranes.com • www.pvecranes.com
 + offices in: Curaçao - Dubai - Jacksonville - Singapore
www.pvecranes.com

Hovago Cranes B.V.

Established in 1946

CRANES FOR SALE AND INTERNATIONAL RENT

All Terrain Cranes

130 t	Grove GMK 5130-1	2005
130 t	Grove GMK 5130-2	2012 NEW!
170 t	Grove GMK 5170	2012 NEW!
170 t	Grove GMK 5170	2009
200 t	Liebherr LTM 1200-5.1	2008
220 t	Grove GMK 5220	2012 NEW!
220 t	Liebherr LTM 1220-5.1	2012 NEW!
300 t	Grove GMK 6300L	2012 NEW!
350 t	Liebherr LTM 1350-6.1	2012 NEW!
500 t	Liebherr LTM 1500-8.1	2012 NEW!

Rough Terrain Cranes

80 t	Grove RT880E	NEW!
90 t	Grove RT890E	NEW!
130 t	Grove RT9130E	NEW!
150 t	Grove RT9150E	NEW!

Crawlers

600 t	Terex-Demag CC 2800-1	2010
600 t	Terex-Demag CC2800-1	2012 NEW!
750 t	Liebherr LR 1750	2012 NEW!

Miscellaneous

Goldhofer 18 ton ballast trailer 2-axle	1998
FRM-2A 18 ton ballast trailer 2-axle	2000

Hovago Cranes b.v.
 Galvanistraat 35, NL-3316 GH Dordrecht
 The Netherlands
 Tel: + 31 (0)10 8920475 - Fax: +31 (0)10 8920485
 E-mail: info@hovago.com - Website: www.hovago.com



(Member of the ProDelta Group)



CRANE SAFETY INSTRUMENTATION



R3000 Rated Capacity Indicator



R180 Wireless Wind Speed Indicator



W2245 Rated Capacity Indicator



www.RaycoWylie.com

www.tathong.com



With over 30 years of experience and a crane fleet of over 1000 units deployed globally, make us your one stop lifting solutions provider.

SALES AND RENTAL

CALL +65 6269 0022 [David Ng / Patrick Ng]

TAT HONG
The Leading Crane Specialist

18 Sungei Kadut Avenue, Singapore 729489 • thhe@tathong.com.sg



ALL TERRAIN-CRANES

Make / Type	y. o. m.	Drive	Boom / Fly Jib
30 t PPM ATT 335	1997	4x4x4	27,40m + 15,00m
30 t PPM ATT 340	1994	4x4x4	30,00m
35 t PPM ATT 400	1998	4x4x4	30,40m + 15,00m
35 t Liebherr LTM 1035-3	1987	6x4x6	30,00m + 8,30m
35 t PPM ATT 400/3	2001	4x4x4	30,40m + 15,00m
40 t Demag AC 40	2000	6x4x6	31,20m + 13,00m
40 t Faun RTF 40-3	1997	6x6x6	30,00m + 15,45m
50 t Marchetti MG 50.3	1992	6x6x6	32,00m + 16,00m
55 t Demag AC 55 City	2005	6x6x6	40,00m + 14,00m
55 t Liebherr LTM 1055/1	2004	6x6x6	40,00m + 2,50m
60 t Krupp KMK 4070 L	1990	8x6x8	35,00m + 16,00m
60 t Liebherr LTM 1060/2	2000	8x6x8	42,00m + 17,00m
60 t Faun ATF 60-4	1998	8x6x8	40,00m + 16,00m
70 t Faun ATF 70-4	1997	8x6x8	40,50m + 16,00m
70 t Faun ATF 70-4	1998	8x8x8	40,50m + 16,00m
80 t Grove GMK 4080	1997	8x6x8	43,00m + 13,00m
100 t Grove GMK 4100 L	2007	8x8x8	60,00m + 17,00m
100 t Grove GMK 5100	2001	10x8x10	51,00m + 18,00m
160 t Grove GMK 5160	1996	10x8x10	49,00m + 18,00m

ROUGH-TERRAIN CRANE

25 t Kato KR 250 E	1997	4x4x4	26,70m + 7,00m
--------------------	------	-------	----------------

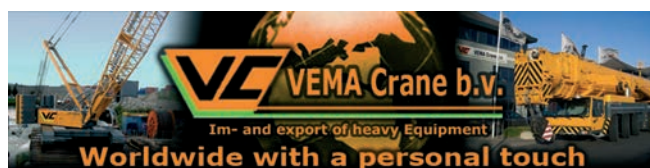
YARD CRANE

14 t Demag V73	1983	4x2x2	13,50 m + 5,50 m
----------------	------	-------	------------------

Import - Export

M. STEMICK GMBH
Kran- u. Baumaschinenhandel, Import - Export
D-45721 Haltern / Germany

Tel: +49 2364 108203
Fax: +49 2364 15546
Mobile: +49 172 2332923
e-mail: info@stemick-krane.de
Internet: www.stemick-krane.de



ALL TERRAIN CRANES:

Brand	Type	Year	Capacity
LIEBHERR	LTM1030/2	1998	35 TON
LIEBHERR	LTM1040-1	2001	40 TON
DEMAG	AC55	2004	55 TON
LIEBHERR	LTM1060/2	2001	60 TON
FAUN	ATF70-4	1997	70 TON
FAUN	AF38	2008	75 TON
DEMAG	AC80-2	2005	80 TON
LIEBHERR	LTM1080/1	1998	80 TON
DEMAG	AC250	2007	250 TON
DEMAG	AC300	2001	300 TON

CRAWLER CRANES:

ZOOMLION	QUY70	2008	70 TON
LIEBHERR	LR1160	2006	160 TON
LIEBHERR	LR1160	2009	160 TON
SENNEBOGEN	5500	2004	180 TON

ALSO SPECIAL OFFER FOR 2 SAND GRABS OF 4CUB!

WE CAN ALSO OFFER YOU CRAWLER CRANES FOR BARE RENTAL PROJECTS WORLDWIDE! PLEASE CALL FOR AN OFFER!



www.vemacrane.com

Tel: +31-162-681050 Fax: +31-162-686262

E-mail: sales@vemacrane.com

Brieltjenspolder 32, 4921 PJ Made, The Netherlands.

BAY CRANE

Lifting & Transportation Solutions
for all your hoisting needs

New DEMAG CC 2000 SL CRAWLER CRANE

330 Imperial/ 300 Ton Metric Rating
84 M MAIN BOOM - SH
84 M LUFFING JIB - SW
30M LF FIXED JIB
SUPERLIFT - HANGING TRAY WITH VARIO SYSTEM
PREPPED FOR FUTURE INSTALLATION OF WAGON
140 + 40 TON COUNTERWEIGHTS
2M RUNNER - 30 MT
HOIST - H2 WITH ROPE
160 MT 5 SHEAVE BLOCK
100 MT 3 SHEAVE BLOCK
50 MT SINGLE SHEAVE BLOCK
15 MT BALL
HYD CYL ON A FRAME FOR SELF ERECTION OF CRAWLERS
LIFTING TACKLE FOR SIDE FRAME
QUICK CONNECTION UPPER / LOWER
HYD CYLINDERS FOR SELF INSTALL OF CWT
DEMAG COLORS

\$ 2,850,000

CC 2000 Sample Capacities			
Metric Capacities		Imperial Capacities	
275mt	14m Radius	300t	45' Radius
200mt	22m Radius	200t	80' Radius
100mt	42m Radius	100t	150' Radius
50mt	72m Radius	50t	240' Radius

Price: \$US 2,850,000
AVAILABLE IMMEDIATELY
FOB Houston Texas USA
New Terex Warranty Applies

Contact us by emailing: Info@baycrane.com

KranAgentur Werner GmbH & Co. KG

You will find more than
just your used crane with
us ...

We offer all manufacturers, all types, in all ages –
and should we not have a suitable crane right on
hand, we can arrange it for you!

We provide complete management for buyers and
sellers, including letters of credit, transport arrange-
ments and customs – right up to your doorstep!

Trust our long experience.

Take a look and contact us. We will answer your
questions immediately and will consult you reliably,
competently and professionally.

For more information visit our website:

www.KranAgentur.de



For example:



Demag AC 350-6
Lifting capacity 350 t, 64 m boom,
Swingaway jib 11 - 21 m, Luffingjib
24 - 72, fixed 9 - 51, Counterweight
116,8 t, Superlift, Aircondition, like new,
year 2011, 12x8x10, ca. 500 KM,
ca. 100 working hours



Grove GMK 3055
Lifting capacity 55 t, 43 m boom,
Swingaway jib 8,7 - 15 m hydr., Counter-
weight 11,6 t, Hookblock 40 t, 5 t,
year 2004, 6x4x6, ca. 80.000 KM,
ca. 8.900 working hours

**KranAgentur Werner
GmbH & Co. KG**

Hallplatz 7j
66482 Zweibrücken, Germany
Phone: +49 (0) 6332 48 58 26
Fax: +49 (0) 6332 48 58 37
Mail: info@KranAgentur.de

First-class used cranes.

Tried and trusted quality for maximum reliability.

- Mobile cranes of all sizes and makes
- Thorough inspection and repair/maintenance
- Can also be provided with guarantee on request
- International delivery service
- Wide selection of used equipment to choose from at www.liebherr.com



Liebherr-Werk Ehingen GmbH
Postfach 1361, D-89582 Ehingen
Tel.: +49 7391 502-3333
E-Mail: gebrauchtkrane.lwe@liebherr.com
www.liebherr.com

LIEBHERR

The Group



HOMAR B.V.

Import-export hydraulic and lattice boom cranes
 Homar B.V.
 Marconweg 15
 8071 RB Nunspeet
 The Netherlands
 Tel.: +31-341-253982
 Fax: +31-341-254207
 E-mail: info@homar.nl
 Internet: www.homar.nl

STOCKLIST

TELESCOPIC AT-CRANES

capacity	manufacturer	type	year	drive/steering	boom/jib (m)	delivery
100 t	Grove	GMK 4100 L	2007	8 x 8 x 8	60 / 17	direct
100 t	Grove	GMK 5100	2001	10 x 6 x 10	51 / 18	direct
80 t	Grove	GMK 4080	1997	8 x 6 x 8	43 / 13	direct
65 t	Grove	AT 865	1990	6 x 6 x 6	35 / 14,5	direct
60 t	Liebherr	LTM 1060/2	2000	8 x 6 x 8	42 / 17	direct
60 t	Faun	ATF 60-4	1998	8 x 6 x 8	40 / 16	direct
55 t	Grove	GMK 3055	2005	6 x 6 x 6	43 / 15	direct
55 t	Grove	GMK 3055	2004	6 x 6 x 6	43 / 15	direct
55 t	Demag	AC 55 City	2005	6 x 6 x 6	40 / 14	direct
55 t	Krupp	KMK 4055	1989	8 x 6 x 8	35,1 / 16	direct
50 t	Liebherr	LTM 1050/1	2001	6 x 6 x 6	40 / 16	direct
50 t	Liebherr	LTM 1050/1	1999	6 x 4 x 6	40 / 16	direct
50 t	Liebherr	LTM 1050/1	1998	6 x 6 x 6	40 / 16	direct
50 t	Grove	GMK 3050	1999	6 x 4 x 6	38 / 9	direct
50 t	Liebherr	LTM 1050/1	1997	6 x 4 x 6	40 / 16	direct
40 t	Liebherr	LTM 1040/1	1999	6 x 6 x 6	30 / 14,5	direct
40 t	Liebherr	LTM 1040/1	1999	6 x 4 x 6	30 / 14,5	direct
40 t	Demag	AC 40-1 City	2000	6 x 4 x 6	31,2 / 13	direct
40 t	Faun	RTF 40-3	1993	6 x 6 x 6	30 / 14,5	direct
35 t	Grove	GMK 2035	1998	4 x 4 x 4	29 / 15	direct
35 t	PPM	ATT 400	1998	4 x 4 x 4	30,4 / 15	direct
35 t	Liebherr	LTM 1035-2	1988	4 x 4 x 4	26 / 8	direct
30 t	Liebherr	LTM 1030/2	2001	4 x 4 x 4	30 / 15	direct
30 t	PPM	ATT 335	1997	4 x 4 x 4	27,4 / 15	direct
30 t	Luna	AT 30/27	1989	4 x 4 x 4	27	direct
25 t	Liebherr	LTM 1025	1992	4 x 4 x 4	26 / 8,2	direct
20 t	Krupp	KMK 2020	1994	4 x 4 x 4	20,5 / 3,8	direct
20 t	Grove	AT 422 E	1991	4 x 4 x 4	21,4 / 7,6	direct

ROUGH TERRAIN CRANES

capacity	manufacturer	type	year	drive/steering	boom/jib (m)	delivery
25 t	Kato	KR 250	1997	4 x 4 x 4	26,7 / 8	direct

TOWER CRANES

capacity	manufacturer	type	year	drive/steering	boom/jib (m)	delivery
8 t/10 m	Liebherr	MK 80	2001	8 x 6 x 8	28 / 42	direct

CARRIERS

3 Terex/PPM carriers, capacity 60 ton, YOM 2001, 8 x 4 x 8, direct delivery

SPARE PARTS

* Krupp KMK 6160, Krupp KMK 4070, Liebherr LTM 1070, Faun ATF 70
 * gearboxes, drop boxes, jacks, beams, slewing rings, engines, booms
 * many more spare parts available

More machines, crane details and photos on: www.homar.nl



Borcherts Equipment Trading b.v.

Crawler cranes from stock



SCX900 90T 2008



SCX800 80T 2009

1 x Sumitomo LS238	100t	1992
1 x Hitachi-Sumitomo SCX900-2	90t	2007
1 x Hitachi-Sumitomo SCX900-2	90t	2008
2 x Hitachi-Sumitomo SCX800-2HD	80t	2009
1 x Hitachi-Sumitomo SCX700-2	70t	2008
1 x Kobelco CKE700	70t	2006

Check out our website for more details:

www.borcherts.com

or contact us at: heiko.koop@borcherts.com

Tel: +31 - 653 652 522 • Fax: +31 - 514 569 186



EISELE

AG

CRANE & ENGINEERING GROUP

- CRANES FROM 30 t - 1200 t
- WORKING PLATFORM LEASING
- HEAVY DUTY TRANSPORTS
- SALE & LONG-TERM LEASING



60 t Liebherr, LTM 1060/2, Y. 2003/4
(two units)



300 t Liebherr, LR 1300, Y. 2009 with
derrick and luffing jib



110 tm Liebherr, MK 110, Y. 2005



100 t Terex-Demag, AC 100, Y. 2009



220 t Tadano-Faun, ATF 220, Y. 2009



120 t Terex-Demag, AC 120, Y. 2009

Eisele AG
 Crane & Engineering Group
 Gutenbergstraße 5
 63477 Maintal · GERMANY
 ☎ 0049 (6109) · 7641-23
 FAX 0049 (6109) · 7641-43
 MOBILE 0049 (176) · 176 41000
 ✉ clauseisele@eisele.ag
 🌐 www.eisele.ag

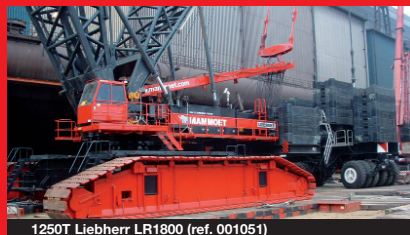


AC 350/6, Y. 2011 (unused, fully equipped)

MAMMOET

Used equipment

CRANES FROM 10-3.200T



1250T Liebherr LR1800 (ref. 001051)



1250T Manitowoc M21000 (ref. 000674)



CC4800 (ref. 430)



600T Terex-Demag CC2800-1 (ref. 000978)



400T Liebherr LR1400-2 (ref. 000590)



400T Liebherr LR1400-2 (ref. 000794)



350T Liebherr LR1350-1 (ref. 000784)



300T Demag CC1400 (ref. 000687)



180T Sennebogen 5500 (ref. 000728)



500T Terex Demag AC500-2 (ref. 001700)



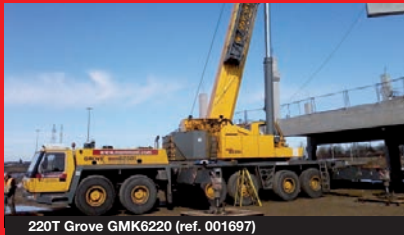
450T Grove GMK7450 (ref. 001693)



350T Terex Demag AC350 (ref. 001720)



300T Liebherr LTM1300 (ref. 001719)



220T Grove GMK6220 (ref. 001697)



130T Grove GMK5130-1 (ref. 001209)



100T Terex Demag AC100 (ref. 001047)



80T Liebherr LTM1080-1 (ref. 000805)



35T Tadano RT350XL (ref. 001091)



Goldhofer PST/SL (ref. 300769)



SPMT (317479)

www.mammoet.com

MAMMOET

Mammoet Equipment B.V.
Van Deventerlaan 30-40
3528 AE Utrecht
The Netherlands
☎ +31 (0)88 650 2309
mammoetusedequipment@mammoet.com
www.mammoet.com



LUXcranes ...e.g. MTT 180-10

- modern and easy operated
- transport and erection friendly
- exceptionally economic in operation
- service 24/7
- 100% made in Germany

MTI-LUX S.A.
Machine Trading International

 Tel. 00352 26 72 94 46 | www.mti-lux.com
Fax 00352 26 74 54 83 | info@mti-lux.com

Please contact us also for used tower cranes of all brands and sizes!

KENKIWORLD.com 

WANTED TO
SALE - BUY - RENT
About Construction Machineries/Spare Parts?



MACHINERY SPARE PARTS TRANSPORTATION

Your Gateway Direct To Buyer & Seller
Only At www.kenkiworld.com
Join Today For FREE

CRANE HIRE COMPANY FOR SALE

EOI over \$12,000,000

AUSTRALIA – SOLID GROWTH – BUOYANT ECONOMY

Well established and successfully built up over the past 25 years, this exciting and progressive mobile crane hire business services a wide range of clientele in South East Australia.

With an extensive asset base of very late model cranes and associated equipment, all regularly serviced and in excellent condition, this business provides the very best lifting service.

Secure contracts and a large portfolio of loyal customers in the power, water, shipping and general infrastructure industries form the platform for this incredibly successful business.

The organisational structure and the stable workforce provides substantial management and operational support to the shareholders.

With strategic metropolitan and major regional yards the business is well positioned to service its existing and targeted customer base.

This is an excellent opportunity to purchase a long established and very profitable business that has huge potential for further expansion.

All genuine enquiries will be answered.

Please email enquiries in the first instance to:

info@lawlerpartners.com.au

mckay
Asset Valuers & Auctioneers

On the Instructions of the Receiver & Manager
Mr Declan Taite,
RSM Farrell Grant Sparks

Michael McNamara & Co. (In Receivership)

**LIEBHERR 154 EC H6 LITRONIC,
6 TON TOWER CRANE
(60M JIB, 40.7M HUH)**

Year: 2005
Serial No. 32644224

Location: Wexford Town, Co. Wexford, Ireland

****SHORT REMOVAL DATE, BY 21 MAY 2012****

TENDER CLOSING:

By 12 Noon GMT, Wed 16 MAY 2012
Viewing: By Appointment ONLY

McKay, 4 Blackbourne Square, Rathfarnham Gate,
Dublin 14, Ireland
t. 003531 490 3130 f. 003531 490 3512 e. info@mckay.ie

View Photos, Video & Download Full Catalogue From
Our Website

www.mckay.ie

SHORT NOTICE TENDER SALE

USED CRANES FOR SALE

Hellmich



Allkran Hellmich GmbH

over 30 years crane experience

Please contact Mr. Hellmich / Mrs. Petri / Mr. Heinrich

Am Schwarzbach a. d. B 44

64560 Riedstadt-Erfelden / Germany

Tel: +49-6158-188413 · Fax: +49-6158-6929

E-Mail: info@allcrane.de

Ask for our sales-list by mail or see on:

www.allcrane.de

www.allkran-hellmich.de

**Vision is
our mission**

www.orlaco.com

**EYES IN
THE SKY**



ORLACO
Specialised Camera Solutions

Europe HQ
☎ +31 342 404 555
info@orlaco.com

North American HQ
☎ 1-705-248-3434 toll free: 1-877-378-3434
a.mills@orlaco.com / f.hill@orlaco.com

Mini & Mobile Cranes Körner



used mobile cranes for sale

25 t PPM 280 ATT, year 1991 23,7 + 7,3 m, 4 x 4, DEUTZ engine	90 t LIEBHERR LTM 1090, year 1990 45 + 20 m, 10 x 8 x 8, 2 x MB engines
25 t KATO KR 250, year 1992 26,7 + 7,0 m, 4 x 4, engine Mitsubishi	90 t LIEBHERR LTM 1090/2, year 1999 52 + 19 m, 8x6x8, 2 x LIEBHERR engines
30 t KATO KA 300 E, year 1990 26,4 + 7,3 m, 4 x 4, Mitsubishi engine	90 t LIEBHERR LTM 1090-4.1 year 2007 50 + 19 m, 8x8x8, 2x LIEBHERR engines
40 t FAUN RTF 40-3, year 1989 30,0 + 11,4 m, 6 x 4 x 6, MB engine	120 t LIEBHERR LTM 1120/1, year 1997 56+ 21 m, 10x8x8, 2x LIEBHERR engines

Mini & Mobile Cranes Körner GmbH
Alle Kaserne 23, 47249 Duisburg, Germany
www.unic-mobilecranes.de

Tel: 0049(0) 203- 713 68 76- 0
Fax: 0049(0) 203-713 68 76-19
info@unic-mobilecranes.de

VAN DER HILST INTERNATIONAL b.v.

INTERNATIONAL CRANE AND EQUIPMENT DEALERS, SPARE PARTS

Looking for equipment parts?

Try us!

We deliver anywhere in the World for more than 30 years!



Van der Hilst International b.v. Tel. + 31-38-3762856
Amperestraat 21 Fax + 31-38-3764665
8091 XX WEZEP E-mail info@hilstinter.com
The Netherlands www.vanderhilstinternational.com

Grove, Manitowoc, Demag, Volvo, Liebherr, Krupp, P&H, Potain, Cummins, Deutz, Allison, Clark

SLEW RINGS



NEW
RECONDITIONING
EXCHANGE

ELST - THE NETHERLANDS

Tel: + 31 481 374784

Fax: + 31 481 376665

e-mail: info@vmanen.com

Web: www.vmanen.com



Morrow Equipment

exclusive distributor of Liebherr tower cranes

...your tower crane source
for the US, Canada, Mexico
Australia and New Zealand.

Sales
Rental
Service
Parts
Engineering
Training

P O Box 3306 Salem Oregon 97302 USA www.morrow.com
+1 503 585 5721 Fax +1 503 368 1172 info@morrow.com

NOOTEBOOM GLOBAL TRAILER CENTER



NOOTEBOOM
3-AXLE SEMI LOW-LOADER
1999, hydraulic steering, max. load floor length
15.1m, max. load capacity 32.9T
Ref. V002505



NOOTEBOOM
5-AXLE SEMI LOW-LOADER
2007, automatic lubrication, max. payload
69.1T, override steering, raise - lower
Ref. V002410



WWW.NOOTEBOOM.COM - TEL +31 24 6488830

Nieuwegeweg 190, P.O. Box 155, 6600 AD Wijchen - Netherlands - used@nooteboom.com



Keeping the Wind Industry Turning

Use HMR Supplies self-loading equipment to move heavy material to a wide range of destinations within your operation.

Your cranes can be lifting – not moving.

hmrsupplies.com | 641-585-3630

LIFT-N-LOCK

Lifting Off Worldwide



Tel: +1 (262) 363-9660
Fax: +1 (262) 363-9620

LIFT - N - LOCK

Lift and move heavy loads safely and conveniently with J&R Engineering hydraulic boom gantries as detailed in this brochure. The exclusive **LIFT-N-LOCK**® feature holds up the load in the event the lift cylinder loses pressure. Other exclusive patented safety features include Stabilizer bars, Octagon booms, Load sensing, Digital height indicating system and Oscillating header plates. Field proven models up to 1800 ton capacity and lift heights up to 100 feet. Crawler mounted gantries up to 700 ton capacity and other specialized lifting and transportation equipment available.

E-mail: info@jrengco.com
Web Site: www.jrengco.com

HINEMAN CRANE SALES LIMITED

DEMAG AC500-2	ALLTERRAIN	500T	2009
LIEBHERR LTM 1500	ALLTERRAIN	500T	1999
DEMAG AC80-2	ALLTERRAIN	80T	2010
FAUN ATF60-4	ALLTERRAIN	60T	2000
LIEBHERR LTM1055	ALLTERRAIN	55T	2009
GROVE GMK3050	ALLTERRAIN	50T	1998
PPM ATT 600-2	ALLTERRAIN	50T	2001
DEMAG AC95	ALLTERRAIN	40T	1998
GROVE TMS 635BE	TRUCKCRANE	30T	1995
PPM ATT350	ALLTERRAIN	30T	1999
KATO NK250EV	TRUCKCRANE	25T	2000
JCB 533-105	TELEHANDLER	3.3T	2005

For further information on the above machines, contact: John McCulloch
TEL: +44 (0) 1794 322777 • FAX: +44 (0) 1794 322070
MOBILE: 0044 (0) 7785 291922 • E-mail: sales@hinemancranes.com

WWW.HINEMANCRANES.COM

You will be seeing more of us...

VanSchaftenCranes

Also your reliable partner
for **used cranes** and rental
without operator

At Van Schaften Cranes, we operate in the same way as at Van Schaften Trucks. With the same professional team, we advise and assist you in finding the right crane. Please check our website and find out more about our offer at www.usedcranes.eu



- ▶ Crane rental
- ▶ Buying and selling of used cranes
- ▶ Imports and exports to and from over 140 countries
- ▶ Fully independent

Please call **+31(0)10 415 74 88** or check our website at www.usedcranes.eu



www.schaftentrucks.nl



www.schaftenleasing.nl



Polderweg 74 • 3125 KE Schiedam • info@schaftentrucks.nl

KOBELCO

Go Green - GO KOBELCO!

INTRODUCING NEW G-SERIES

CKE BME
G series G series

Perfect cranes for modern times!

Reducing operating cost, increasing operating ratio, instant access to smooth and efficient transport, increasing resale value, providing operators with even greater operating comfort, while saving the environment by consuming up to 25% less fuel and by lowering emissions, with up to 25% less CO₂, 50% less NO_x and 90% less particle emissions.

- Up to 25% reduction in fuel consumption
- Euro Stage IIIB compliant Power Plant
- G-mode, 3 new Energy Saving Systems from KOBELCO: G-Engine, G-Winch and Auto-Idle-Stop
- Ergonomic, luxurious, spacious cab with Joysticks
- Dual pump flow for clamshell, bucket or material handling*
- Tractor-type crawlers with large variety in shoes*
- Large, colour monitor with pictograms provides outstanding visibility and immediate comprehension of essential operating data
- Innovative upper frame and body within 3m transport width
- Over-swing preventative device*
- Machine inclination sensor*
- Counterweight detect system*

* optional items

Also including all advantages KOBELCO cranes are already famous for:

- Unrivalled smooth operating comfort
- High precision in positioning loads
- Fast assembly and disassembly
- Efficient transport
- Wet-type disk brakes for powerful, stable braking
- Low maintenance
- Wide, large-capacity winches improve spooling and extend wire rope life
- Excellent reliability
- Worldwide service

Operators from around the world appreciate and enjoy these benefits every day during the long life-time of KOBELCO cranes.



www.kobelco-cranes.com/europe/