

Ready for action

Whatever you're planning, we're there for you.



Compact and exceptional variable

Terex® Demag AC 100/4: most powerful four-axle, 100 tonne crane, with a vehicle width of only 2.55 m.

What makes the Terex® Demag AC100/4 so valuable for you:

- It is the first and only crane in its class with a vehicle width of only 2.55 m, even with large size 16.00R25 tires.
- Newly designed 50 m main boom with only four internal sections, providing excellent lifting capacity and fastest telescoping times.
- It is the only 100 t crane with the dimensions of a 70 t four axle crane.
- Unique in its class - four different outrigger bases as standard.



Terex-Demag GmbH & Co. KG · Zweibruecken, Germany · 00 49 (0) 63 32 / 830 · www.terex-demag.com · info@terex-demag.com

© Terex Corporation 2007 · Terex is a registered trademark of Terex Corporation in the United States of America and many other countries

On the cover:

The world's largest lattice boomed crawler crane that can move with a load - the 3,200 tonne capacity Terex Demag CC8800-1 Twin.



C & a contents

17 Crawler Cranes



27 Articulated rough terrain booms



41 Outrigger mats



SUBSCRIPTIONS: Cranes & Access is published eight times a year and is available on payment of an annual subscription of £40.00. If you wish to subscribe, please send a crossed cheque made payable to The Vertical Press Ltd to: Subscriptions, The Vertical Press, PO Box 6998, Brackley, Northants NN13 5WY. Address changes should also be sent to this address. Please include the address label from a recent issue with all correspondence and allow 3 months for changes to be effective.

SUBSCRIBE ONLINE AT:
www.vertikal.net/en/journal_subscription.php

BULK DISCOUNTS: These are available to companies wishing to take out multiple subscriptions. Please contact the subscriptions manager for more details.

Tel: +44 (0)8707 740436 Fax: +44 (0)1295 768223
E-mail: info@vertikal.net

Kran & Bühne: The Vertical Press also publishes a German magazine which deals with the same issues as Cranes & Access, but is written for German users and buyers. Details available on request.

While every effort is made to ensure the accuracy of information published in Cranes & Access, the Editor and Publisher can accept no responsibility for inaccuracies or omissions. Views expressed in articles are those of the authors and do not necessarily reflect those of the Editor or Publisher. Material published in Cranes & Access is protected under international copyright law and may not be reproduced without prior permission from the publishers.

Comment 5 News 6

MBO at Ainscough, APS - IPS to form joint venture, AFI takes North East, world's highest aerial lift, Demag launch two cranes, Tanfield on the up, four charged over platform accident, Cranes&Access Russia, Vikings land in Dublin, Instant name change, new Manitou Privilège telehandlers, Palfinger Indian venture, new MEC booms, Hiab merges, new Liebherr crawler.



VertikalNET
RUSSIA

Crawler cranes 17

This month we look at the growth of the telescopic crawler crane market as well as the latest products available in the lattice boom sector, including the 3,200 tonne capacity twin boomed CC8800-1 from Terex Demag - the world's largest lattice boomed crawler.



SAIE 23

Italy's premier annual construction show is once again upon us bigger than ever before. Here we take a look at the new products and innovations that might be at the show.

SAIE07
BOLOGNA: 24 - 28 OCTOBER

Articulated Rough Terrain booms 27

The new Merlo road-going platform may be something completely different but is it going to transform the rough terrain articulated platform market? Leigh Sparrow carries out an in-depth investigation into the unusual new machine and we take a look at the latest developments in this sector.

Vertikal Days 37

The first Vertikal Days event at Haydock Park near Manchester was a great success. We publish a review of the highlights.

Outrigger mats 41

Better global communications means that we are now seeing how commonplace accidents from poor outrigger set up really are. We look at how these accidents can be prevented.

Face to face 48

The celebrations connected with Manitowoc's recent opening of its new facility in Baltar, Portugal brought together many of the company's top brass.



An ideal opportunity then for Mark Darwin to chat with Eric Etchart, promoted to president of the Manitowoc Crane Group in May this year.

Ladders 58

There are times when a ladder is the best or most practical piece of access equipment for the job. Here we outline how to select the right ladder and to use it safely.

regulars

Books & Models 45

PASMA focus 47

ALLMI focus 51

IPAF focus 53

Innovations 55

Training 57

Your Letters 59

On-Line directory 60

What's on 62

Recruitment 63

In the next C&A

In the next issue we look at the large truck mounted platforms; a review of SAIE and the loader crane market; road going cranes and the annual rental rate guide.

Your powered access expertise



IPAF membership



Greater market opportunity

IPAF membership can bring you major benefits, whatever your involvement with the powered access industry.

First of all, it tells your customers a lot about you. It lets them know you have the highest professional standards – and reassures them that you are on top of today's health and safety standards.

Because of our lobbying at national and international levels, you have a stronger voice in all those issues that affect your business – from health and safety legislation to the

introduction of worldwide standards and how they are implemented country by country.

- Our advice line, publications and bulletins help keep you in touch with everything that is going on – and make sure you know how to respond to technical, practical, commercial and legal developments.
- Our operator training is second to none – and recognised by the MCG. Only IPAF members can offer this market leading training – now becoming essential for the use of powered access equipment.



Our IPAF Rental+ award is only available to IPAF rental company members. This ensures that your customers can identify you as a specialist in powered access rental – and that you have been independently audited to meet high service standards.

PAL
POWERED ACCESS LICENCE
TIM WATERSTONE

OP/0115084

ASSESSED
09/01/04

EXPIRY DATE
31/01/09

TYPES
SL SPB TP



IPAF

IPAF is the world authority in powered access. Find out how membership can give you the same authority in the eyes of your customers.

Tel: +44 (0)15395 62444

Fax: +44 (0)15395 64686

Email: info@ipaf.org

Or visit: www.ipaf.org

IPAF Ltd, Bridge End Business Park, Milnthorpe LA7 7RH, UK
Also in France, Germany, Italy, Netherlands, Spain, Switzerland and USA



www.ipaf.org

cranes & access

The Vertikal Press

PO box 6998 Brackley NN13 5WY, UK
Tel: +44(0)8707 740436 Fax: +44(0)1295 768223
email: info@vertikal.net
web: www.vertikal.net

In Germany:

Vertikal Verlag

Sundgaualle 15, D-79114,
Freiburg, Germany

Tel: 0761 8978660 Fax: 0761 8866814
email: info.vertikal@t-online.de
web: www.vertikal.net

Germany, Scandinavia,
Austria and Switzerland

Karlheinz Kopp, Vertikal Verlag,
Sundgaualle 15, D-79114, Freiburg, Germany
Tel: +49 (0)761 89786615
Fax: +49 (0)761 8866814
email: khk@vertikal.net

Italy

Fabio Potestà, Mediapoint,
Corte Lambruschini,
Corso Buenos Aires 8, V Plano-Interno 7,
I-16129 Genova, Italy
Tel: 010 570 4948 Fax: 010 553 0088
email: mediapointsrl.it

The Netherlands

Hans Aarse

39 Seringenstraat, 3295 RN,
S-Gravendeel, The Netherlands
Tel: +31-78 673 4007 Mobile: +31(0) 630421042
email: ha@vertikal.net

UK and all other areas

Pam Penny

PO box 6998 Brackley NN13 5WY, UK
Tel: +44(0)8707 740436
email: pp@vertikal.net

Design & Artwork by:

bp design Ltd.

Tel: 01707 642141 Fax: 01707 646806
email: studio@bpdesign.info

ISSN: 1467-0852

© Copyright The Vertikal Press Limited 2007

The Vertikal Press also publishes:



For users & buyers of lifting equipment

October 2007 Vol. 9 issue 7

Editors:

Leigh Sparrow
Mark Darwin

Associate Editors:

Ian Boughton
Rüdiger Kopf
Alexander Ochs

Sales & customer support:

Pam Penny
Karlheinz Kopp

Production:

Nicole Engesser

Publisher:

Leigh Sparrow

Vertikal
Press

The Vertikal Press Ltd.
MEMBERS OF



Letters, emails, faxes and
phone calls are welcome and
should be sent to:

The Editor,
cranes & access,
PO Box 6998, Brackley
NN13 5WY, UK

Tel: +44(0)8707 740436
Fax: +44(0)1295 768223
email: editor@vertikal.net

c&a comment



No Smoking

Until the total smoking ban in public places was introduced during the summer, many pubs and restaurants that tried to cater for both smokers and non smokers had a problem.

While the people could be separated, smoke did not recognise or keep to the same boundaries!

The latest ruse by the Greater London Authority is very similar. It wants construction equipment working on certain high profile sites in the capital (such as the Olympic sites) to be fitted with diesel particulate filters.

For cranes and telehandlers the particulate filter issue is particularly crazy in that they are exempt from requiring these filters on the roads and other 'low profile' sites within the London Emission Zone, but not on these particular sites.

This raises several serious issues, but unfortunately the whole reasoning for requiring the filters at certain sites in the first place is half-cocked (see smoking/non smoking above!). And if allowed to be implemented, it will be without regard to the massive impracticalities and associated costs.

One of the issues raised by the CPA is that retrofitting filters voids engine manufacturers warranties. Filter manufacturers must therefore obtain certification approving the installation/modification for each model type, and this involves extensive testing and costs, particularly bearing in mind the uncertainty of the market size and longevity.

But perhaps this mad cap idea will backfire on the GLA. The CPA is sensibly telling its members that they may be better off boycotting these 'high profile' sites. After all most, if not all, hire companies are probably as busy as they have ever been and will have more than enough work on 'normal' sites using unmodified equipment.

Ultimately, these special sites will have to pay a lot more for their equipment and depending how many decide to fit the filters, could see delays in equipment supply. For those that do modify equipment there is obviously an opportunity to charge inflated rates for equipment that maybe highly utilised due to its rarity value.

But surely the main issue here is why we allow such crazy ideas in the first place. We have more chance of diesel particulates keeping within the 'special' site boundaries than a politician admitting they made a mistake! Like most issues, let's hope common sense prevails. If not, it won't be the rental companies that loose out.

Mark Darwin

Please mail, email or fax any comments you may have, to the editor, stating if we may publish them or not.

Vertikal
.net