

# cranes & access

www.vertical.net

June 2020 Vol.22 issue 4

**Slab electric  
scissor lifts**

**Loader  
cranes**

**Heavy lift  
applications**

**Telematics**

...New road/rail tracked platform...Bobcat's new telehandlers...All electric truck crane...

# ELECTRIFY YOUR FLEET!



Experience the benefits of the new-generation Sinoboom GTZZ16EJ, an electric model with CE certification, designed for multiple indoor operations. A narrow body of 1.9m (6.2ft) with an almost zero tail sweep makes it highly suitable for narrow conditions. Quiet operation with zero emissions, the long battery life is sure to meet your needs on the jobsite.



[www.sinoboom.com](http://www.sinoboom.com)  
[sales@sinoboom.com](mailto:sales@sinoboom.com)

## On the cover:

A 33ft Snorkel S3370 scissor lift used by street artist Gent 48 to create a Covid-19 themed mural in Birmingham, UK to raise funds for art4charity.



# C&A contents

## Articulated loader cranes 37



In all the years we have covered the loader crane market, we have never profiled Dutch company Hyva. We remedy that in this issue and find it something of a dark horse with global sales putting it among the top four producers. Transport specialist Mark Carrington takes a look at the pros and cons of mounting loader cranes on articulated trucks.

## Telematics update 49



10 years ago we predicted that telematics would sweep through and revolutionise the crane and access sector. We look at why the prediction has yet come to pass and speak to some rental companies that are already exploiting the technology. We also take a look at what manufacturers are doing and debate the data ownership challenges.

## Successful debt collecting 57



In the second of our Top Service articles we look at the challenges of collecting debts and how to avoid or reduce losses from bad debts as well as a few selective tips.

## regulars

CPA 61

ALLMI Focus 63

IPAF Focus 65

PASMA Focus 67

Training 69

Models 71

Letters and obituaries 72

What's on 74

Online directory 78

## Comment 5 News 6



Bobcat Stage V telehandlers, New Platform Basket road/rail crawler boom, Sany ships 4,000 tonne crawler, All electric Zoomlion truck crane, New 16t Wolff luffing jib tower crane, New 46ft Almac Jibbi 1670 Evo tracked self-propelled/self-levelling boom lift, 4,000 MAN trucks with Hiab hook loaders, Bronto Skylift Shield divider, Narrow jacking CTE truck mounts, Haulotte telehandlers for Algerian Ministry of Defence, New president for Genie, CICA accident statistics report, Liebherr approved for ECOL courses.

## Heavy lift 17

We report on several interesting heavy lift applications from around the world, including jobs on land, lifting with ease, lifting with crawler cranes and with mega lifters. Also we report on the first outing for Liebherr's new LR 11000 with V-Frame variable suspended counterweight.



## Slab electric scissor lifts 25



Choosing a 19ft electric scissor lift used to be a relatively simple job, given that the specifications were all pretty similar leaving the decision to availability, preferred brand, finance, price or relationships. That has all changed as manufacturers switch to their new global brands and all those different solutions and compromises to meet the new standards, while some hedge their bets with several different models to choose from. Our feature aims to help make the decision a little simpler.

17

Heavy lift



25

Scissor lifts



37

Loader cranes



**SUBSCRIPTIONS:** Cranes & Access is published nine 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 5VY. 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.vertical.net/en/journal\\_subscription.php](http://www.vertical.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)8448 155900 Fax: +44 (0)1295 768223

E-mail: [info@vertical.net](mailto:info@vertical.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.

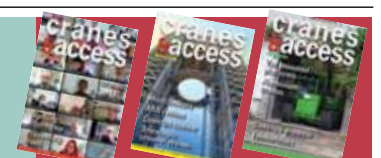
While every effort is made to ensure the accuracy of information published in Cranes & Access, the Editor and Publisher can accept no responsibility for inaccuracies or omissions. Views expressed in articles are those of the authors and do not necessarily reflect those of the Editor or Publisher. Material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

## In the next C&A

The next issue of Cranes & Access - scheduled for late July - will feature an all-new version of our annual Dealer & Source guide, Pick & Carry cranes, Low level & industrial access equipment including mast booms and Used equipment. If you have any contributions or suggestions to make or are interested in advertising in this issue, please contact our editorial or sales teams.

**cranes  
& access**

**SUBSCRIBE TODAY** - the only way to  
guarantee your copy  
[WWW.VERTICAL.NET/EN/SUBSCRIPTIONS](http://WWW.VERTICAL.NET/EN/SUBSCRIPTIONS)





**Certified IPAF PAL Card is proof of platform operator training to the highest standard.**

✓ Annually updated course content based on feedback from instructors and trainees

✓ Global database of all valid PAL Card holders

✓ Complies with legal requirements



✓ Training delivered by highly qualified instructors

✓ Focus on safety & efficiency

✓ Online verification of PAL Cards:  
[www.ipaf.org/checkpal](http://www.ipaf.org/checkpal)

✓ Over 30 years of industry experience

✓ Smart technology & fraud protected

✓ Comprehensive range of training courses

✓ Now able to carry the CSCS logo in the UK

✓ Courses available in multiple languages

✓ Used by manufacturers of equipment worldwide

✓ Reassurance: A valid PAL Card proves the holder has passed an approved and audited IPAF theory and practical test within the past five years

✓ Optimal instructor-to-candidate ratio

✓ Operator theory module can be taken remotely via eLearning

✓ **Safe.** ✓ **Audited.** ✓ **Internationally recognised.**

The IPAF Powered Access Licence or PAL Card is recognised worldwide across industries as proof of platform operator training to the highest standard. It is issued by the International Powered Access Federation (IPAF) to platform operators who successfully complete a training course and pass a test at an IPAF-approved training centre. Ask for the PAL Card as proof of operator training!

Find your nearest IPAF approved training centre at [www.ipaf.org](http://www.ipaf.org)

Certified by TÜV  
as conforming to  
ISO 18878



## Editorial team

Ed Darwin - Editor  
editor@vertikal.net

## Associate editors

Rüdiger Kopf (Freiburg)  
Alexander Ochs (Freiburg)  
Leigh Sparrow

## Consultant editor

Mark Darwin

## Sales & customer support

Pam Penny  
Clare Engelke  
Karlheinz Kopp

## Production/Administration

Nicole Engesser

## Subscriptions

Lee Sparrow

## Publisher

Leigh Sparrow

## Advertising sales

### UK-based

Pam Penny pp@vertikal.net  
Tel: +44 (0)7917 155657  
Clare Engelke ce@vertikal.net  
Tel: +44 (0)7989 970862

### Germany-based

Karlheinz Kopp khk@vertikal.net  
Tel: +49 (0)761 89786615

## The Vertikal Press

PO box 6998 Brackley NN13 5WY, UK  
Tel: +44(0)8448 155900  
Fax: +44(0)1295 768223  
email: info@vertikal.net  
web: www.vertikal.net

## Vertikal Verlag

Sundgaullee 15, D-79114,  
Freiburg, Germany  
Tel: 0761 8978660 Fax: 0761 8866814  
email: info@vertikal.net  
web: www.vertikal.net

# Vertikal Press

MEMBERS OF:



ISSN: 1467-0852

© Copyright The Vertikal Press Limited 2020



## 'If it looks right .....

The old adage 'If something looks right, it probably is' is often applied to a new piece of equipment, but it can also be applied to many other areas such as lifting loads and working at height. And in both these sectors almost the opposite applies - 'If it doesn't look right, don't do it'.

In the news section this month we report on the Victoria/Tasmania

branch of CICA - the Crane Industry Council of Australia - which has been working with Worksafe Victoria to collect raw data involving crane incidents in the state which has a population of 6.4 million. In 2019 there were a total of 84 reported crane incidents and 42 near misses. Almost two thirds of the incidents involved being struck, pinned or crushed by a load (25%), falling objects (24%) or crane impact during operation (19%). The latter two categories generated few injuries, however unsurprisingly 95 percent of incidents in the first category resulted in injuries. In conclusion CICA restated the importance of remaining vigilant, adding 'and remember the golden rule: If something doesn't look right, don't lift it'.

This rule also applies to working at height, which if carried out correctly should make the safe and successful completion of the job inevitable. But we all know that things can go wrong. When they do the repercussions vary enormously depending mainly on where you are in the world.

Two falls from height are highlighted in our Training page - one in the USA which was fatal and the other in the UK which inflicted life changing injuries. In the US, a total fine of \$126,000 was imposed on the two companies involved, while in the UK a single company received a £1.1 million fine. What is more surprising is that the US incident involved a man falling five storeys, while the fall in the UK involved a slip from a ladder three metres high. Yet the UK fine was 11 times that in America, even though one of the US companies was fined for two similar violations in the previous year!

There are, of course, countries where there would not even have been an investigation, let alone fines following such incidents. In my eyes something 'doesn't look right' in the comparative levels of these two fines. It reminds me of another old saying: 'better they die than have permanent injures!' Surely the penalties should fit the crime, no matter the outcome or jurisdiction? It seems odd that such a huge variation should exist, especially between two of the five richest countries in the world.

Mark Darwin

Comment and feedback is most welcome via post, email, fax or phone  
stating if we may publish them or not: editor@vertikal.net