

cranes & access

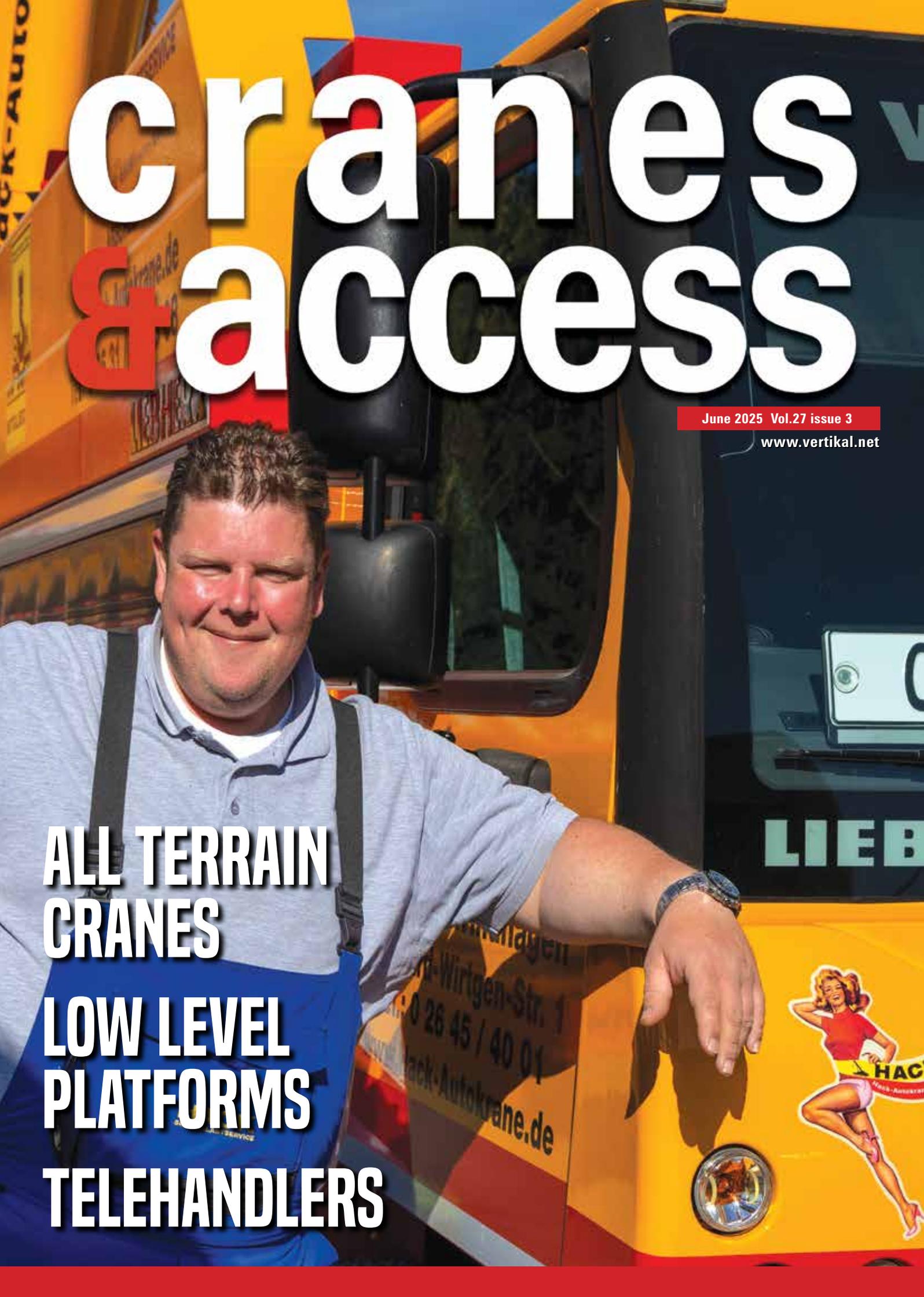
June 2025 Vol.27 issue 3

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**ALL TERRAIN
CRANES**

**LOW LEVEL
PLATFORMS**

TELEHANDLERS



Comprehensive Upgrade Fourteen Benefits

PERFORMANCE+

- 1 **Industry Leading Platform Capacity**
Maximum increase up to 45% compared to the original model
- 2 **Side and Rear Forklift Pockets**
Multiple choices for transport efficiency
- 3 **Lithium-Ion Battery with Long Duty Cycle and Fast Recharging**
High-density battery pack with five-year warranty
- 4 **High Strength Wear Resistant Tyres Compound**
Double the life compared to conventional tyres

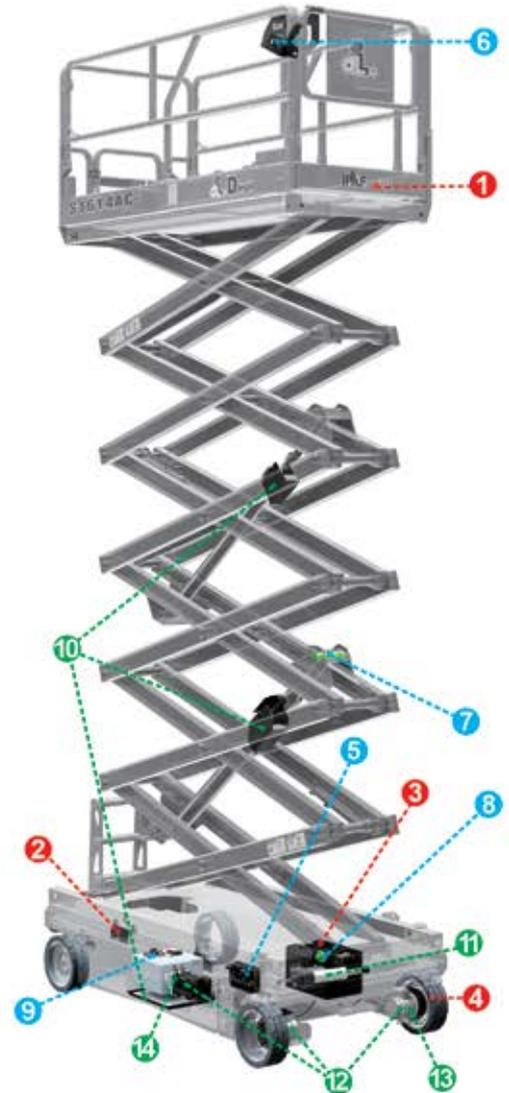


RELIABILITY+

- 5 **Integrated Four-in-One Motor Controller**
40% reduction in connections and harnesses
- 6 **New Platform Control Box**
The durability of the touch pad is greatly improved, the new surface cleans easily, and the display is three times larger
- 7 **Reliable Load Sensing System**
Less affected by temperature and friction
- 8 **Scissor Angle Sensor Reliability Improvement**
Limit switches are reduced by 60%
- 9 **Hydraulic Oil Heater (Optional)**
Applicable for cold environment

ENVIRONMENT+

- 10 **Hydraulic Oil Leak Containment**
For applications with zero leak tolerance
- 11 **Electric Actuator Steering System**
No hydraulic oil, faster steering speed and 66% reduction in energy consumption
- 12 **Gravity Down Energy Recovery System**
Battery charge regeneration during platform descent
- 13 **Highest Efficiency Electric Drive System**
15% decrease in energy consumption and higher power density
- 14 **Highest Efficiency Electric Lift Pump System**
20% decrease in energy consumption and higher power density



AC+

	272kg	408kg	272kg	450kg	408kg	408kg	363kg	363kg
Working Height	8m	8m	10m	10m	12m	14m	16m	16m
Overall Width	0.7m	0.8m	0.8m	1.2m	1.2m	1.2m	1.2m	1.4m

AC+ Series Scissor Aerial Work Platform

ZHEJIANG DINGLI MACHINERY CO.,LTD.
 ADD:188 Qihang Road, Leidian Town, Deqing, Zhejiang, P.R.C
 TEL:+86-572-8681688
 Phone:+86-13806523131 Susan Huang
 E-Mail:export@cndingli.com
 Https://en.cndingli.com





6



17



25



35



47

CONTENTS

COMMENT 5

NEWS 6

JMG's hydrogen hybrid lifting machine, Moog's new generation underbridge platforms, Sany releases 200 tonne electric crawler crane, MEC's first 66-RJ telescopic booms, Anti-dumping crane investigation in US, JLG adds to Micro lineup, Nifty marks 40 years with Gen 3 HR12s, First Klaas K2500, UK crane embargo guidance update, Easy Lift RA21, BG patents new features, Australia's highest platform, financials round-up and News Highlights.

LOW LEVEL LIFTS 17

The limited uptake of low level work platforms in all but a few markets such as the UK, Netherlands, one or two Nordic countries and parts of the Middle East, might explain why more of the larger manufacturers have not entered the market. We take a look at their development history and the latest products available.

ALL TERRAIN CRANES 25

Bauma was a bit of a disappointment for new All Terrain crane introductions, with nothing truly radical or different. However, there is still plenty going on in the market and much to talk about...

TELEHANDLERS 35

For whatever the reason, a large number of equipment manufacturers seem to think that telehandlers are going to be the 'next big thing' when it comes to construction products. We take a look at the new manufacturers and their offerings, in what is a very busy sector.

TECHNOLOGY AND SOFTWARE 47

The buzz technology words at the moment are AI and Digitalisation which seem to be mentioned in every new model introduction as well as in product support services. We take a look at some of the latest developments...

COMPANY PROFILE - PALAZZANI INDUSTRIE 53

Vertikal's Imogen Campion visited spider lift manufacturer Palazzani in Brescia, northern Italy as the company celebrated its 90th anniversary, to learn about its history and recent developments.

HIRE25 AND HRIA/EWPA/TSHA 56

The Hire & Rental Association of Australia, the Elevating Work Platform Association and the Telescopic Handler Association of Australia - HRIA/EWPA/TSHA for short - held their annual conference 'Hire25' trade show and awards dinner in Melbourne in June. Cranes & Access/Vertikal.net was there to cover the events.

REGULARS

IN THE NEXT ISSUE	55
TRAINING	59
CPA FOCUS	61
ALLMI FOCUS	63
IPAF FOCUS	65
BOOKS & MODELS	67
LETTERS AND OBITUARIES	69
WHAT'S ON	75
ONLINE DIRECTORY	80

ON THE COVER

Crane operator Gerhard Mees with his new 700 tonne Liebherr LTM 1650-8.1, the new flagship in the Hack Schwerlastservice fleet, just before its first job, in Wetzlar North of Frankfurt, removing a 50 metre by four metre wide 27.5 tonne bridge over the River Lahn.



IN THE NEXT ISSUE Scheduled for publication in late July, the next issue of Cranes & Access will include features on Tower cranes, Scissor lifts, Glass handling and the Vertikal Days 2025 preview. If you have any contributions or suggestions to make or are interested in advertising in this issue, please contact our editorial or sales teams.



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Editorial

Mark Darwin - Editor
Imogen Campion - Assistant Editor
Leigh Sparrow
editor@vertikal.net

Associate Editors

Rüdiger Kopf (Freiburg)
Alexander Ochs (Freiburg)

Feature Editors

Nick Johnson
Saul Chernos

Sales & Customer Support

Clare Engelke
Pam Penny
Karlheinz Kopp

Production/Administration

Nicole Engesser

Editorial Data Specialist

Poppy Horne ph@vertikal.net

Subscriptions

Lee Sparrow

Publisher

Leigh Sparrow

Advertising Sales

UK based

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

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

Hofackerstr. 95
D-79110 Freiburg
Germany
Tel: +49 (0)761 897 8660
Fax: +49 (0)761 897 86614
E-mail: info@vertikal.net



COMMENT

1980s' GAME CHANGER

There are periods in history when an invention, new technology, materials or a manufacturing process has led to a major change in the way something is done. Examples include the printing press, spinning-jenny, steam engine, internal combustion engine, farm tractor, bicycle, light bulb, wireless telegraphy, aeroplane, personal computer and the internet... to name but a few. All have led to massive changes in the way things are done, but not always immediately.

Around 80 years ago several new companies entered the mobile crane market, spurred on by the need to rebuild after the devastation of World War II. But what happened 40 years ago? It was the mid-1980s and something caused a series of entrepreneurs to start designing and building self-propelled aerial work platforms or spider lifts.

We see it now with all the 40 year anniversary celebrations including Niftylift, Skyjack, Haulotte and for spider lifts Platform Basket and Palazzani to name a few, while IPAF - the International Powered Access Federation - celebrated its 40th anniversary a couple of years back.

Rather than one major event, I think it was a combination of factors. At the beginning of the 1980s, the construction industry was still very conservative, using methods passed down over the generations. However, a mood for change was in the air following the recessions of 1975 and 1982. The entrepreneurial juices were activated leading to a surge in new company startups.

I remember working as a site engineer on a multi-storey building in London in 1983 and being given the first laser level in the company - a relatively minor development but a massive game changer in terms of speed and efficiency, requiring just one person instead of two to set the levels for the other trades. The first telehandlers were also beginning to appear changing the way materials were moved around on site - the pallet had arrived!

Although self-propelled boom lifts date back to the late 1950s, initially to pick apples in Canada and cherries in California - hence the nickname 'cherry picker' - the lifts struggled to generate any interest among European contractors, thanks to a strong scaffolding sector and a resistance to 'new fangled technology'. The 1980s however, saw a younger generation entering the sector with new ideas, able to spot the benefits of using powered access equipment for certain applications, and the market began to take off. Word began to spread of 'new' machines able to work at height that saved time and money and, although not as important then as it is now, they offered a safer way of working.

The growth of the aerial work platform was down to a willingness to change, and rental companies starting to invest and believe in the concept - without which, aerial lifts would simply not have taken off.

Congratulations to all those celebrating their 40th anniversaries, and perhaps we might spare a thought for the many that failed along the way.

Mark Darwin

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