

The IPAF logo is located in the top left corner. It consists of the letters 'IPAF' in a bold, yellow, sans-serif font. The letter 'A' is stylized with a diagonal line through it, suggesting a ladder or a climbing structure. The background of the entire page is a photograph of a mobile elevated work platform (MEWP) with a spreader plate, positioned on a paved surface. The sky is blue with some clouds, and there are trees in the background.

**IPAF**

2012  
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**POWERED  
ACCESS**

**SPOTLIGHT**

# Management training

Managers need to know about  
regulations and safe use p48

**ARE YOU WORKING ON**

# Solid ground?

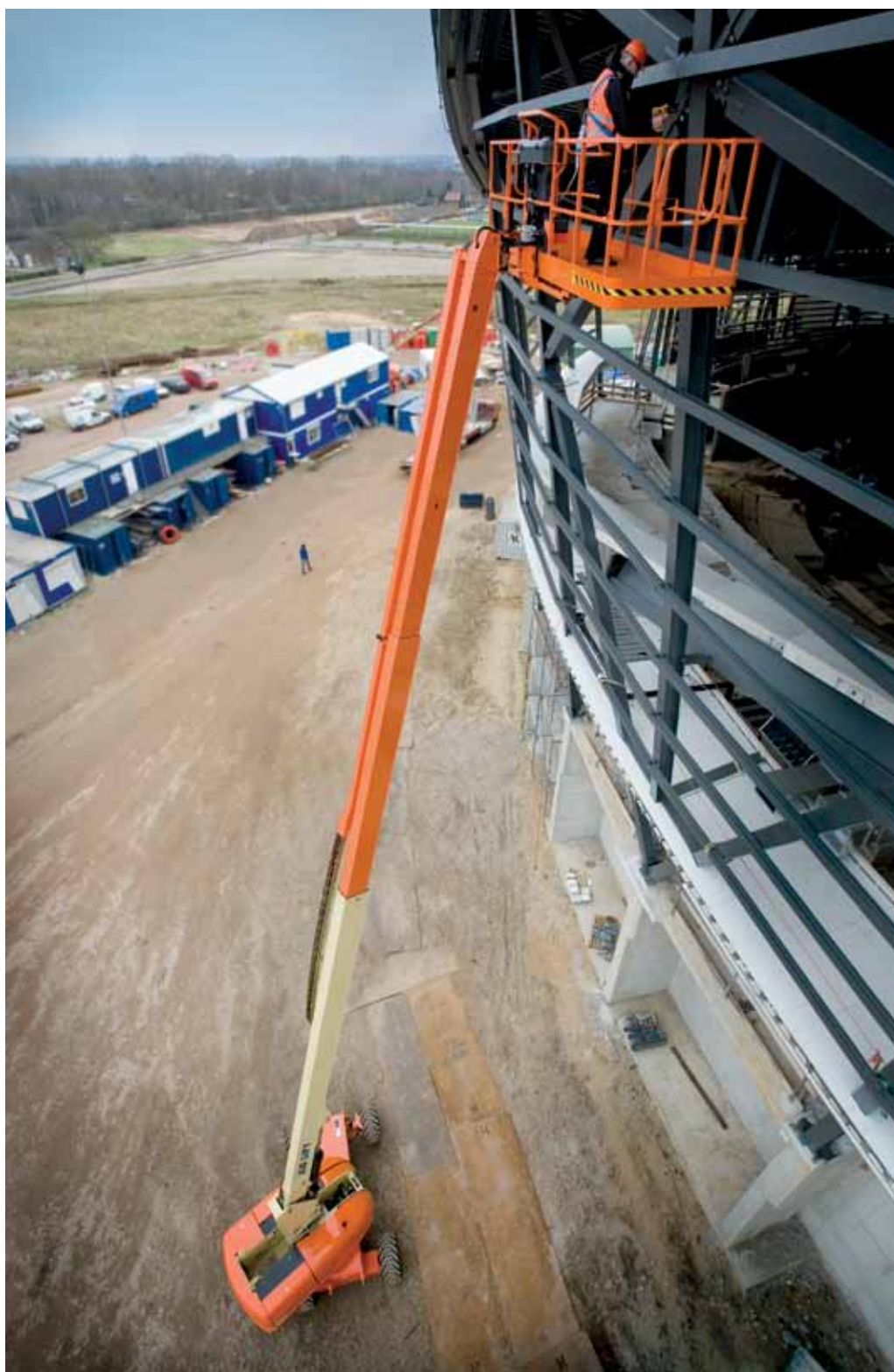
**A PANEL OF EXPERTS DISCUSSES THE BENEFITS  
OF USING SPREADER PLATES WITH MEWPS P14**

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# FOREWORD

**S**houldn't you be using spreader plates under those outriggers? That's the question we want you to ask whenever you see a MEWP being operated on outriggers.

By working together, we can change the industry in the same way we did with harnesses. Four years ago, nobody stopped you for not wearing a harness on a boom-type platform. But now the industry has changed and everybody asks – and that's the same effect we want to have with the Spread the Load! campaign. IPAF's members – the users and makers of MEWPs – want it to be standard practice always to use spreader plates under outriggers. For this reason, our highly experienced experts have prepared stickers, posters and a host of information that can be found at [www.ipaf.org/spreaders](http://www.ipaf.org/spreaders).

Please visit the site and understand what you can do to make MEWPs even safer. We want to change custom and practice to prevent unnecessary accidents.

On page 14 you can find a no-holds-barred debate about the pros and cons of using spreader plates. The expert panel has drawn on its knowledge and experience to give you practical advice on how to keep MEWPs safe.

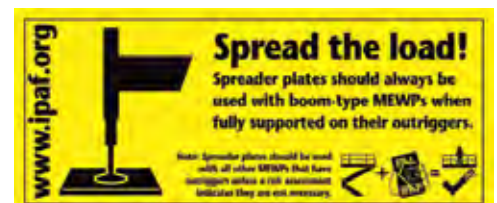
If you would like some free stickers, leaflets or posters, just call 015395 66700 or email [info@ipaf.org](mailto:info@ipaf.org). We'll be happy to send you this material.

Our members are dedicated to keeping this business safe. Let's all get the safety message out there.

Tim Whiteman  
Managing Director & CEO  
International Powered Access Federation  
[www.ipaf.org](http://www.ipaf.org)



OUR HIGHLY EXPERIENCED EXPERTS HAVE PREPARED FREE STICKERS, POSTERS AND A HOST OF INFORMATION THAT CAN BE FOUND ON THE FEDERATION'S WEBSITE

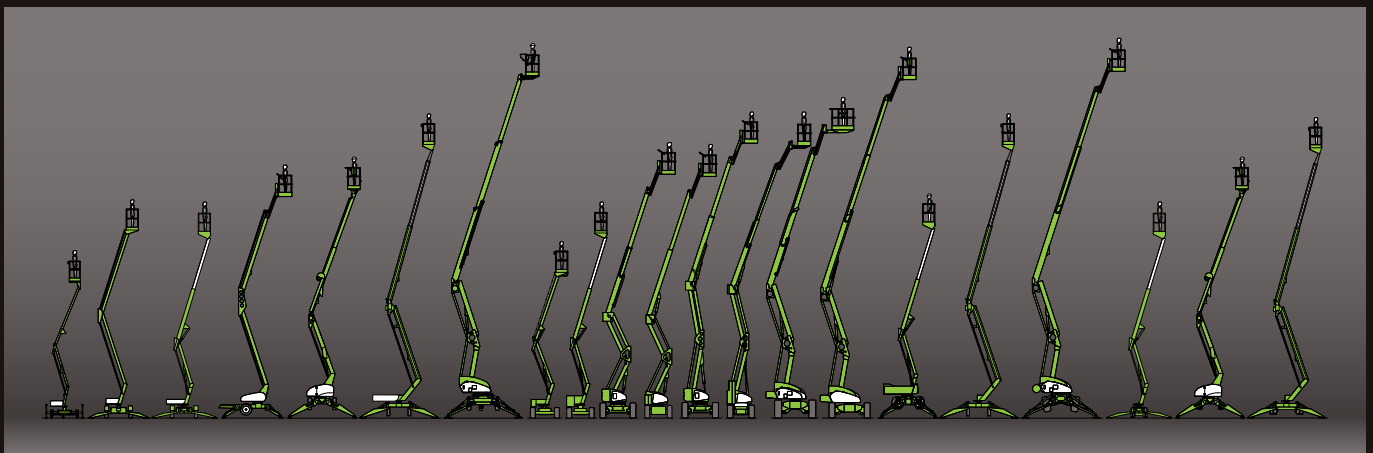


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# IPAF news



## Familiarisation is vital

Your operators have been trained, but have they also been familiarised to use specific MEWPs on site?

Operators who intend to use any machine differing significantly from the machine they have been trained on should receive a familiarisation to cover the differences.

Machine-specific familiarisation should follow on from basic training and cover

manufacturer's instructions and warnings, features of the specific model, control functions, safety devices and emergency lowering procedures. IPAF-approved training centres offer a demonstrator course aimed at giving candidates the competence to deliver familiarisation.

See technical guidance note F1 in the Publications section of [www.ipaf.org](http://www.ipaf.org).

## IPAF Summit SAVE THE DATE

The 2012 IPAF Summit and International Awards for Powered Access (IAPAs) will be presented on March 29 in Rome, Italy. Enter for an award or book your dinner ticket at [www.iapa-summit.info](http://www.iapa-summit.info).



## Don't use cranes to lift people!

The FEM Product Group for Cranes and Lifting Equipment has issued a position paper stating that cranes should not be used for lifting people other than in exceptional circumstances where safety requirements are met and undertaken at the user's specific responsibility.

FEM (Fédération Européenne de la Manutention) is the European manufacturers' association for material handling equipment. In its position paper FEM CLE MC N 0284, the FEM Product Group for Cranes and Lifting Equipment stipulates: "Mobile cranes shall never be used for entertainment purposes, for example lifting persons for shows, bungee jumping, dinner-in-the-sky or lifting of other structures with people on the structure or underneath (for instance, lifting of tents).

"Mobile cranes are not intended to lift persons. They may be used to suspend personnel in man baskets only in unique work situations when it is the least hazardous way to do the job."

Several crane manufacturers' operator manuals clearly prohibit the use of their equipment for lifting people to great heights for recreational purposes.

Welcoming FEM's clarification, IPAF chief executive Tim Whiteman said: "Purpose-built powered access equipment is an infinitely safer and more precise method of providing access to carry out temporary work at height. Compare this with a basket suspended from a single crane rope, which may well blow around in the wind. Cranes should be used for lifting loads, not people."

# Expert Safety Training

Nationwide Platforms is the UK market leader for IPAF training. With the largest national network of IPAF approved training centres, we are perfectly placed to deliver your training.

We offer a range of IPAF courses, from operator training on every type of Mobile Elevated Work Platform (MEWP) to courses specifically designed for supervisors and managers overseeing powered access use and co-ordination.

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## SPECIALIST ACCESS FLEETS CALL FOR BETTER RISK MANAGEMENT POLICIES

"Sound risk management policies and procedures must be in place when adding large or specialist machines to a standard fleet of booms and scissors," said IPAF technical officer Chris Wraith at September's Europlatform access rental conference in Maastricht.

He cited a case where men were working over a roof when the arm of their cherry picker touched the side of the building, activating safety devices that immobilised the machine. Engineers were unable to override the system and the fire and rescue service had to rescue the men.

"Specialist access means increased potential hazards," said Wraith, "which calls for better management input throughout the cycle of use, from engineering, maintenance and inspections, through to sales, transportation and operator competence."

The next Europlatform conference is on September 20, 2012 in Edinburgh, Scotland.

## How to avoid trapping and crushing hazards

Guidance is available on how to prevent rare but dangerous trapping or crushing accidents when MEWPs are used in confined overhead spaces.

The Strategic Forum for Construction Plant Safety Group, of which IPAF is a part, has published Best Practice Guidance that provides clarity about the safe use of MEWPs, including planning, equipment selection, training, provision of information, familiarisation, safe use, supervision and rescue procedures, together with monitoring and management of the work. It is available free at the Publications section of [www.ipaf.org](http://www.ipaf.org).



## Is your spider safe?

New posters and leaflets are available from IPAF that illustrate key safety points to observe when moving and using tracked spider-type platforms, also known as atrium lifts. These machines tend to be narrow and could become unstable if proper attention is not given to the extension or retraction of the outriggers when travelling.

In short, IPAF's advice is:

- When moving the machine using tracks, on level ground, and/or in the vicinity of walls or other vertical obstacles, use outriggers extended to within 10cm of their full deployment whenever possible.
- Outriggers must always be used in this way when travelling at an angle to an incline.
- Small obstructions such as kerbs or abrupt level changes must never be negotiated without using a ramp or other device to smooth out the step change.
- Use track mats or similar material to prevent damage to susceptible surfaces including grassed areas.
- Spreader plates must always be used under the outriggers when the platform is in use.

Email [info@ipaf.org](mailto:info@ipaf.org) to obtain free copies of this poster.





## Delving into the history of access

A unique insight into the history and development of the powered access industry has been captured in Denis Ashworth's recently published book *Going up in the World*.

The book is an unusual combination of autobiography and history, tracing the background of Simon Engineering Dudley, one of the pioneer companies in the access business.

Ashworth combines personal anecdotes from his

engineering career with well-documented overviews of each stage of new product development and the commercial and technical challenges that came with them.

The book includes rare photos of the earliest MEWPs: a find for modern-day engineers researching how the challenges of the past were met. It can be ordered from the publishers, Vertikal Press, by emailing [info@vertikal.net](mailto:info@vertikal.net).

## Safety alert: GOOD HOUSEKEEPING

Two incidents of boom-type MEWPs catching fire have been reported to IPAF. No other such cases are known to IPAF's technical officer Chris Wraith, who has been researching the matter. However, any MEWP users aware of other incidents are asked to send details to [chris.wraith@ipaf.org](mailto:chris.wraith@ipaf.org).

"Fires and other hazards when using MEWPs can be prevented through best practice and good housekeeping," says Wraith.

"Operators should maintain a clean area of work on and around the platform and base, keeping it clear of debris. They should do the pre-start inspections and daily checks. This would help identify any debris, leaks, spills, damaged cables and wiring, or other fire hazards, and allow preventive action to be taken."

## VERIFY PAL CARDS ONLINE

Site and safety managers can use the PAL Card online verification tool at [www.ipaf.org](http://www.ipaf.org) to check if a card is valid and find out which machine categories the operator has been trained to use. A valid PAL (Powered Access Licence) Card issued by IPAF is proof that the cardholder has been trained to operate powered access equipment safely and effectively.

The yellow plastic PAL Card already contains several security features. The front carries the cardholder's name and photograph, as well as showing the card's expiry date and the machine categories the cardholder has been trained to operate. PAL Cards are valid for five years.

The reverse side features an IPAF logo, printed as a hologram to minimise counterfeiting risks, and the holder's signature. The online verification tool offers another quick and easy way to check if a card presented to site managers is valid.







Wear a full body harness with a short lanyard in boom type platforms



# Aerial platforms



# IPAF trained operators



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# OUR INDUSTRY WILL RECOVER

*Operators are seeking expansion in new sectors and territories, and that means fresh opportunities for IPAF, president Wayne Lawson believes*

**I**PAF president Wayne Lawson, JLG's vice president and managing director for EAME, is in a relatively upbeat mood, despite the economic uncertainty and lack of confidence in some markets. Elected in April, he's looking forward to further membership growth, both geographically and into increasingly diverse industry sectors.

"I'm an optimist," he says. "Economic recovery is fragile and we're likely to have issues to sort out for some years, but I think the overall trend is going to be positive for the next few years. The adoption of powered access in particular is continuing to grow."

Despite the current period of consolidation in some established markets, particularly in rental, there is a huge potential for growth in developing territories. Powered access is also expanding into a broader spread of industry sectors, which IPAF is keen to support. The downturn has forced many rental companies to look at new areas of activity.

"Some of the big Spanish companies have been looking outside Spain to developing markets for expansion," says Lawson. "We've seen the same thing with the construction downturn, as rental companies are far more interested in industrial markets now. This presents a real opportunity for IPAF to spread the word and reach those industrial sectors. We are looking at how IPAF can help these markets and I believe we can integrate very well, in industries from petrochemical to facilities management."

North America offers big opportunities for IPAF, and the US market is showing greater interest in the Federation, at every level.

"We are gaining momentum in every part of the US market," says Lawson, "and we

access training, safety and powered access best practice, from a wide range of rapidly expanding territories.

"In Latin America and Brazil in particular there is a lot of interest in IPAF," he says. "We are regularly getting membership applications from Latin America. You have some extremely professional organisations in that part of the world that are very interested in training and safety. They are keen to adopt best practice.

"We are seeing the same thing in eastern Europe, where there is also a lot of interest in IPAF. However, China and India are still slightly behind the curve on that and will take longer to develop that interest."

Lawson notes that there is a growing move towards adopting proven methods and techniques, including health and safety, in all of these developing markets – particularly those with ties to more developed countries.

"Western contractors will adopt a European philosophy in terms of training and safety wherever they are working," he says. "But in many developing markets it is also driven by local contractors and hire companies."

IPAF remains highly active around the world, attending seminars, conferences and trade shows to push the message about safe use of powered access. With more than 85,600 PAL Cards (Powered Access Licence) issued last year alone, and 500,000-plus in use at present worldwide, it seems the message is well received.

Discussions are ongoing about additional training for those markets that are totally new to the PAL Card concept, to bring operatives up to a certain level prior to attending the PAL course. IPAF will also provide training centres that are all independent companies, with the time to become established within their individual markets.

"It is vitally important that the PAL Card remains the same globally," says Lawson, "but the card might be augmented for some

**RENTAL COMPANIES ARE FAR MORE INTERESTED IN INDUSTRIAL MARKETS NOW. THIS PRESENTS A REAL OPPORTUNITY FOR IPAF TO SPREAD THE WORD AND REACH THOSE SECTORS**

need to gain traction with all interested parties, like manufacturers, contractors and the unions.

"For a European it's not a bad idea to approach North America like you would the whole of Europe, because legislation and best practice are not always the same in different states."

It is not just developed markets that offer an opportunity for the Federation. There is

often a misconception that developing markets grow quickly at the expense of health and safety, along with operator training.

Nevertheless, Lawson is pleased to report strong interest in powered

markets, and that is being discussed within the Federation. Developing markets need to be allowed to grow."

The powered access market is a mature sector in many countries, and yet is expanding and developing. Lawson is determined to see IPAF continue to play a key role in that growth, promoting safe use, operator training and best practice around the world. He remains confident that the industry is strong enough to recover.

"It's amazing how robust businesses are in weathering the downturn. We saw consolidation in North America some years ago, but it continues an evolution of professionalism. Each cycle we go through, the industry grows in professionalism," the IPAF president concludes. ■





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In the new Spread the Load campaign, IPAF is recommending that spreader plates should always be used with boom-type elevating work platforms when fully supported on their outriggers. How should this guidance be implemented on sites? We ask a panel of industry experts for their views

# Spreading *the word*

**S**preeder plates are, as their name suggests, a way of reducing the load imposed by an outrigger or stabiliser leg, by spreading the ground bearing force as the outrigger supports the weight of the machine.

A typical 18m boom can weigh more than 10 tonnes and can generate a ground-bearing pressure exceeding 14.06kg/cm<sup>2</sup>. That is more than 12 times the pressure of a human foot, so digging a heel into the surface to see if has sufficient strength to support the weight is hardly good enough.

By spreading that load through a larger area you reduce the point load on the ground, cutting the risk of the outrigger sinking into the material below and the machine becoming unstable. Because of the way in which force is calculated, even if the spreader plate is just twice the size of the outrigger foot, it will reduce the ground pressure by a factor of four.



This is not just about working on soft soils, though. Many materials such as paving and asphalt may look strong enough to cope, but outriggers can sink into any surface without sufficient foundations and there is always the question of what services are hidden beneath the surface.

For this reason, the campaign is not simply suggesting that spreader plates should be used, but that operators and managers should also consider which type and size of spreader to use.

Incorrect selection can lead to instability, so those planning the use of access equipment should consider how to identify poor ground conditions, how to assess the load bearing pressure of the ground and how to calculate the correct size of spreader for the situation.

There has been no specific legislation relating to the use of spreader plates with access equipment, although it is partially covered under a number of other regulations.

“It comes under the Work at Height regulations really, and the risk assessment planning side of those regs which lead to all of these installations being fully planned,” explains the HSE’s Paul Thomas.

“And then there is the Provision of Use of Work Equipment Regulations [PUWER], but again there is no specific

regulation relating to spreader plates.”

Peter Walker, from the BCSA adds: “CDM [Construction Design and Management regulations] also talks about planning and design of construction work.”

Planning is perhaps the most important factor in any work at height operation, and that planning or risk assessment must take account of ground conditions and of potential risks below the ground.

Walker reports that BCSA members consistently ask the question of the main contractor concerning the ground conditions and preparation before arriving on site to install steelwork. “It’s always an issue for us,”

### “I’D RATHER SEE THE MAIN CONTRACTOR DOING HIS JOB PROPERLY AND PROVIDING SUITABLE GROUND FOR THE JOB”

he says, “and it’s always about a service that we didn’t know about on site. Contractors must tell our members where the drains are and where the previous works have been.

“I’d rather see the main contractor doing his job properly and providing suitable ground for the job.”

Assessing ground conditions is not easy, because the solidity of material can change with the weather. A number of measurement devices are available, but they are expensive

and not viable for use on every site with powered access.

“On a construction site a structural engineer should assess the conditions,” says Leicester. “But it is not really the construction sites that are the problem. For a utility company a local authority should take responsibility.”

IPAF is preparing a guidance document that shows the relative strength of different materials. Even here any guidance must be easily understood by operators on site and clearly identified on the machines in a consistent manner.

There is a good guide available to lorry

loader operators, for instance, but it is 68 pages long and few operators on site are going to spend the time working through something like that.

It is important that companies include guidance in their everyday operation, in daily toolbox talks on site. By getting a clear message across, reinforcing the idea that spreader plates should be used every time, it is hoped that it will become the normal method of operation.





- » “The operator has to be taken through the process in a toolbox talk to show how the operation has to be done,” says Thomas. “The Olympics was a great example of a site that had good toolbox talks to build safety awareness,” Walker notes. Most contractors now would expect a crane operator to work with spreader plates or timbers when they arrive on site, but the

spreader plates for smaller equipment is a bit like PPE and should be supplied to suit the site by the contractor.”

Spreader plates are covered briefly in the PAL Card training course, particularly if the applicant is taking the 1b category. There is a use of spreaders section in the Operator’s Safety Guide. As for deciding how and where spreader plates should be used, Facelift’s

### MOST CONTRACTORS NOW EXPECT A CRANE OPERATOR TO WORK WITH SPREADER PLATES OR TIMBERS WHEN THEY ARRIVE ON SITE, BUT THE SAME IS NOT ALWAYS TRUE OF ACCESS EQUIPMENT

same is not always true of access equipment, particularly when supplied without an operator for use by existing site personnel. And the delivery driver cannot be expected to explain the use of spreader plates when deliveries are often made out of general working hours.

Manufacturers supply many larger truck-mounted platforms with spreader plates for outrigger legs, but often this is not the case with smaller, lighter machinery. Sometimes there is not even anywhere on the machine to carry spreader plates when not in use. It is difficult for a hire company to supply the correct spreader plates for a smaller machine, without having seen the job site or the ground on which it will be operated.

“A large majority of hire firms do already supply them. Certainly conscientious hirers will supply plates with boom machines, but not with scissor lifts,” says Leicester.

“All truck-mounted MEWPs will have spreaders, but 7.5 tonne and below they are not supplied. There is an argument that

Gordon Leicester says: “The operator certainly has to take some responsibility for this. Our operators, who have been trained by us, will all use them all the time. But I know that others sometimes don’t. I would strongly recommend that hire companies have it in their terms of employment.”

Panellists acknowledged that the problem with any form of training is that personnel on site do not always follow the methods and lessons they have been taught – partly through time constraints and through poor management on site.

By providing clear messages on the use of spreader plates, through posters, stickers on machines, the internet and toolbox talks, IPAF hopes to reinforce the messages taught in its training courses.

Indeed Wraith says IPAF is considering proposals for more advanced operator training. There seems little doubt that any additional training opportunities would also be used to reinforce the practical messages and awareness of the potential loads being imposed by MEWP outriggers



and how choosing the correct spreader plates can reduce those loads on the ground. “But the whole chain should take responsibility, from the directors down to the operator,” adds Thomas. “We need to raise awareness from the top, senior management and work down.”

IPAF knows the campaign to increase the use of spreader plates is going to take time to get the message through. It will require a general raising of awareness that must be regularly refreshed.

“The HSE’s position is that you should use them unless you can show otherwise,” says Thomas. “There is guidance out there, it’s just a case of getting people to use it.”

After taking on board the advice that operators should use spreader plates at all times, the next question is who should provide the spreader plates, and who decides on the size and material required?

The plates can be simply sturdy timber, »



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**BY INCREASING AWARENESS OF THE ISSUE AND OFFERING GUIDANCE AND INFORMATION, IPAF IS DETERMINED TO MAKE THE USE OF SPREADER PLATES A STANDARD METHOD OF OPERATION**

and by offering a range of guidance and information on its website, IPAF is determined to make the use of spreader plates a standard method of operation.

“I can’t see anybody putting forward a reasonable argument against the use of spreader plates,” says Walker.

To make the initiative work at site level will involve everyone associated with the job – from senior management to the operator on the ground. It will also require commitment from the hire companies, the contractors and the manufacturers.

In particular it is important that manufacturers agree to start using the same units of downforce that their machines impose on the ground, instead of the many different units of measurement currently in use in operator manuals and on machine stickers, which can be confusing for operatives on site.

“It’s vital that we get manufacturers on board,” says Wraith, “and that manufacturers continue to lead by example when they demonstrate their equipment and show it in their publicity material.”

IPAF is confident that with increased exposure and by providing the right information to all levels, it will be possible to spread the word on spreader plates, allowing operators of mobile elevating work platforms to ‘spread the load’ on site. ■

» although they should never be scaffold boards, or they can be specifically designed and manufactured from aluminium or various plastics and resins.

In each case, the provider of the spreader plate has to take into account the manual handling aspect of their use.

Can one person safely lift the plate on to the machine? Do they have handles?

For machines where the outriggers go out diagonally, is there a shoe design to prevent the outrigger foot sliding off the plate as the machine is lifted?

Ground conditions also vary. Even the same site can have differing materials, making it hard to specify a one size fits all approach to spreader plates.

By increasing awareness of the issue

**Our panel**



**Chris Wraith**  
IPAF technical officer



**Peter Walker**  
Health, safety and training manager for the British Constructional Steelwork Association



**Gordon Leicester**  
Managing director of Facelift Access Hire



**Paul Thomas**  
Specialist inspector for the Health & Safety Executive (HSE)



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# ALWAYS USE SPREADER PLATES WITH OUTRIGGERS

**S**preader plates should always be used with boom-type mobile elevating work platforms (MEWPs) when fully supported on their outriggers.

That's the vital message behind IPAF's new Spread the Load! safety campaign. Spreader plates should be used with all other MEWPs that have outriggers unless a risk assessment indicates they are not necessary.

"MEWPs are very safe and stable, but incorrect set-up can cause instability and lead to overturning," says IPAF chief executive Tim Whiteman.

"This is often the result of inadequate ground assessment, poor selection of spreader plates, or incorrect positioning of outriggers. The Spread the Load! campaign sets out to give clear and practical guidance on when and how to use spreader plates."

The campaign started as an initiative of a group of members who regularly use access equipment. Campaign tools, available in different languages, have been developed to carry the message, including leaflets, posters, stickers and a video. These resources are available to view and download at [www.ipaf.org/spreaders](http://www.ipaf.org/spreaders)

A typical 18m boom can weigh up to 10,205kg and generate a bearing pressure of more than 14.06kg/cm<sup>2</sup> – which is 12 times higher than the footprint of a walking adult. The loads imposed may cause

inadequate support surfaces to sink or collapse, and that could result in a machine overturn.

Where MEWPs with outriggers are used, spreader plates are normally required to reduce the pressure from the outrigger to an acceptable level. Even if the spreader plate is only twice the size of the outrigger foot, it will reduce the pressure imposed onto the ground by a factor of four.

Spreader plates must be made from appropriate material and have sufficient size, stiffness and strength to spread the load over the required area. They should be:

- » large enough to reduce significantly the load-bearing pressure and to provide a stable footing for the MEWP to be able to operate safely;
- » stiff enough to prevent them distorting and creating high pressure points that could cause them to sink;
- » large enough to spread any load and prevent the spreader plate sinking into the ground when in use;
- » strong enough to prevent them breaking up in use.

The size and weight of spreader plates and the prevailing weather conditions will need to be considered to determine whether assistance may be required when handling them. Where the spreaders are intended to



be manually placed under outriggers, they should have handles fitted to assist with carrying and positioning.

If the ground is particularly poor – for example, if it has loose soil or is simply unprepared – it is likely that you will need to consider using larger mats or timbers such as tracking (temporary roadway) or stacked timbers to reduce the ground pressures to acceptable levels. ■

## INCORRECT MEWP SET-UP CAN CAUSE INSTABILITY AND LEAD TO OVERTURNING



## Some things to look out for

**Uncompacted fill** Soil or other fill material might be piled along the line of a backfilled trench without being compacted. Cracked ground along the line of the trench is an indication of uncompacted fill.

**Proximity to excavations** MEWPs should not be positioned near the edge of trenches and other excavations, as these are likely to collapse without warning. If the machine needs to be used close to the edge of a slope or excavation, with the outriggers or wheels in the 'danger area', an engineering

assessment must be completed by a competent geotechnical engineer before the MEWP is set up and operated.

**Floors, cellars and basements** Many floors, cellars and basements are incapable of bearing the weight of a MEWP and could collapse without warning. The strength of floors and the location of cellars and basements must be taken into account when siting MEWPs.

**Paved areas** Paved areas can look deceptively strong but might have been laid on weak ground. Footpaths should be regarded as suspect, because there could be weaker material or shallow services under the surfacing. If a road is used

regularly by heavy commercial vehicles and does not show any signs of distress, it is of less concern than a lightly trafficked car park or estate road.

**Underground services** Sewers, drains, manholes and gas and water mains might be damaged by the weight of an MEWP or could collapse, causing it to become unstable or overturn.

**Weather conditions** Heavy or prolonged rain can alter ground conditions, resulting in sinking of outriggers, packing mats and so on. Regular checks should be carried out when frozen ground is thawing, because frozen ground can appear to be much firmer than it actually is.



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servicing to document storage and invoicing, to ensure an exceptional customer experience.

A number of companies are already feeling the benefit of integrating Syrinx® into their business. Rose Access Solutions has an extensive range of specialist narrow tracked access platforms. The company's Managing Director, Gary Rose, has found the software a flexible, easy to use and comprehensive package that has delivered tangible efficiency, operational and marketing benefits.

These sentiments have been echoed by other lifting equipment specialists including Horizon Platforms, Kimberly Access Group, Lifterz, and 1Up Access who have all seen a significant return on investment with the installation of Syrinx®.

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Katy Williams, Sales and Marketing Director at Higher Concept Software says, "While high quality machinery continues to play an important role in the success of any lifting equipment specialist, customer service can help them stand out from the rest. I'd ask anyone who wants to take their business to the next level to contact us to talk about how we can help and see the innovative Syrinx® solution in action."



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*"After a disastrous 3 months with our initial supplier we switched to Syrinx and within 1 day we were up and running with all our plant information on the system. I would recommend Syrinx again and again, it's easy to use and the reporting is excellent. I can't thank Higher Concept Software enough, they pulled out all the stops when we really needed them."* **Ben James**



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# *It's your passport to safety*

The PAL Card is universally recognised as evidence that an individual has been trained to a high standard in operating powered access equipment

**Y**ou would not let someone without a driving licence go for a spin in your car. Likewise it is essential to ensure that anyone who intends to operate powered access equipment is properly trained and accredited. All access machinery is built to be inherently safe, but abuse or improper use can result in accidents, injury and even death.

Under the Work at Height Regulations 2005, the Health and Safety at Work Act, and the Provision and Use of Work Equipment Regulations 1998 (PUWER), it is the responsibility of employers to ensure that employees are given adequate training.

The most common form of training for access equipment operators is provided by IPAF-accredited training centres, resulting in the award of a Powered Access Licence (PAL) Card.

Each year more than 80,000 people undergo IPAF training and the PAL Card is now recognised by construction and industrial organisations worldwide as proof of high-quality assessed training for platform operators.

Many powered access operators, unlike their plant or machinery counterparts, may not be driving the machine as their main job. They might be roofing contractors, electricians, painters and decorators, cleaners or from many other trades for whom access to work at height is merely a part of their daily employment.

PAL Card training therefore covers







a wide range of powered access equipment, divided into categories including 1a (static verticals), 1b (static booms), 3a (mobile verticals) and 3b (mobile booms). There are also 2a and 2b classes for specialist equipment, such as under-bridge inspection platforms and aircraft de-icing machinery.

Most climbing work platforms are handled separately, as are insulated aerial devices for work on overhead electrical lines.

A candidate can do multiple categories in a single training day, provided they comply with the stipulated candidate-to-instructor-to-machine ratio. The course tends to start with an initial 30 question multiple-choice theory test. It is mostly basic health and safety stuff, but there are a few tricky questions in there that demand concentration.

The instructor then talks through basic health and safety, and access platform best practice before all applicants retake the theory test, to ensure that they have been listening and that they have taken in the necessary information to gain the PAL Card. The applicant must score at least 24 out of 30 to proceed to the practical session.

It would be virtually impossible, and certainly impractical, for a trainer to run through the exact controls of every machine that the operator might come across on site. A trained demonstrator can provide the operator that level of familiarisation when required.

Instead, the course gets potential operators to assess the work that is to be done, look at what access platform might be required, at what the ground conditions are like and work through matters such as lifting capacity requirements. It goes into some detail concerning the use of safety features, such as electrical isolators and emergency lowering systems.

Also covered is safe use of the platform, taking into account a ground assessment, safe methods of working and the need to establish a rescue plan before you use the



## THE TRAINING TAKES INTO ACCOUNT THE FACT THAT MANY OF THE OPERATORS MAY NOT BE DRIVING THE MACHINE AS THEIR MAIN JOB

machine. It's too late once you are in trouble.

After a second theory test, the course moves to practical assessments of each type of machine that is being covered. In the case of mobile equipment, the examiner will set out a prescribed physical test using cones and other marking systems.

The operator is required to navigate the machine through the course, elevating and lowering the platform safely at the set points in the route. While the assessment can show machine control, it is equally valuable to

demonstrate that an operator has spatial awareness and that they are following a pre-planned, safe method of operation.

With the training successfully completed, the operator receives a safety guide, a log book, a certificate and the PAL Card. Site and safety managers can check its validity with a verification tool at [www.ipaf.org](http://www.ipaf.org).

The card indicates the type of access platforms that the card holder is qualified to operate, and there are three levels of card: operator, demonstrator and instructor. 'Demonstrator' is required for individuals such as access delivery drivers who are called upon to conduct machine familiarisation handovers to customers.

A PAL Card is valid for five years, but a refresher course must be taken before the card runs out. Holders have to maintain a logbook throughout the five years, signed off by a colleague, showing the type of machinery used and the work completed.

With more than 450 approved training centres worldwide, operators should be able to find one close to their location. Use the training centre locator at [www.ipaf.org](http://www.ipaf.org). ■







# PLAY A WINNER

*The prototype Smart PAL Card is designed to stop untrained workers using MEWPs*

**I**PAF is testing and developing a Smart PAL Card (Powered Access Licence) that could make the industry safer by controlling access to MEWPs and preventing untrained workers from using them on site.

Imagine a system where a MEWP will only start if a trained operator is at the controls, where site managers can designate authorised operators to use specific MEWPs, and where they can track who has used which machine and for how long. These are just some of the possibilities opened up by IPAF's prototype Smart PAL Card that can be used to control machine access and improve site safety.

The system has two parts: the card and the reader. The prototype card's unique identifier lets hirers and users access operator training details held at a remote, secure database. The card works with systems that meet the security requirements defined by IPAF.

"How the technology is used will depend on specific requirements of contractors and rental companies," explains IPAF director of operations Giles Councill.

Guy Ritch of project partner Furness Internet says: "A card reported lost can be disabled at the database. If someone picks up the card and tries to use it, the reader identifies the attempted unauthorised use, the MEWP can be blocked from starting up and the incident can be tracked."

Card readers that are mounted on MEWPs complement the Smart PAL Card. It will not

be called up in line with client-specific needs."

The prototype card is being tested at locations including venues for the London Olympics and a number of rental companies are planning to trial it on live sites.

"The system is fantastic because it can be set so that no one else can use your MEWP," says Andrew Baulch of SJP Contracts. "It's not unusual when you are working on a site with other companies for someone else to use your MEWP when you're not there."

SJP contracts director Mark Pniewski adds: "When you are hiring plant, you don't want someone from another company using your machine and diesel, possibly damaging it and risking injury to themselves and other people because they have not had the appropriate training. This system will prevent that."

In the long term, the Smart PAL Card could also be used, in conjunction with the IPAF training database, to track machine familiarisation and to act as an electronic logbook of operator experience.

"There's lots of potential in the system," says Sean Rath, integrated management systems adviser at Carillion, which is using up to 250 MEWPs in the construction of the media hub and catering village at the Olympic site.

"If a MEWP operator goes from one site to another, we could use the system to check with the database that he has had the training

## SITE MANAGERS CAN DESIGNATE AUTHORISED OPERATORS FOR A MEWP AND TRACK WHO HAS IT AND FOR HOW LONG

be compulsory to use card readers, as the PAL Card will continue to have the relevant data printed on it. Readers can be programmed to prevent unauthorised use according to individual site requirements. For instance, an MEWP can be set to start only after an operator has been verified as trained to use that category of MEWP.

"The health and safety benefits are immense because site managers can ensure that the right people operate MEWPs," says Mike Dibley, business development director at site access control systems provider Infobric. "Information in the database can

and familiarisation for the MEWPs he would be operating on the next site. We can also keep a log of all the work and familiarisation he's completed on a site."

Councill stresses that this is a system that needs to be thoroughly tested, which takes time. "Our priority is to have no safety issues," he says. "There will be further testing and development, keeping systems as open as possible and designing access requirements around them, as more IPAF members are keen to trial it. The Smart PAL Card is an enabler with the potential to improve site safety and security." ■

Audits ensure that training is delivered to a consistent, high quality

## TIP TOP

### *An audit system is the backbone of IPAF's training programme*

**T**he MEWP operator training programme offered by IPAF training centres is not just certified as conforming to ISO 18878. It is also backed by auditing and quality management systems which ensure that standards are met.

"Without its rigorous system of internal and external audits, IPAF's MEWP operator training programme would just be another training scheme," says Giles Councill, director of operations at IPAF.

"Auditing is more than a checkbox exercise. It is about defining processes and procedures on how training should be delivered, and having checks and controls in place to ensure that the standard of training delivered is at the level required."

All active IPAF-approved training centres are subject to quality audits and expected to meet stringent quality procedures. There are three types of audits: initial audits of facilities, annual surveillance audits and unannounced audits.

Active training centres receive a surveillance visit each year. This involves a review of the training facilities and identification of any corrective action needed. The auditor also examines the training paperwork and instructors' records to verify compliance with training centre requirements.

"Auditing has two main functions," Councill explains. "First, ensuring that requirements are met and second, providing support to training centres as part of a process of continual improvement. IPAF auditors are expected to follow our rules and systems to the letter."

Most non-conformities are minor, such as errors in paperwork or training centres not sending out the correct information to their customers. These are usually rectified promptly and the auditors see a pattern of continual improvement in their subsequent visits.

Unannounced visits are selected at random by the auditing team. The auditor assesses



the day's training session, observing both the theory and the practical parts.

"Unannounced visits are a useful measure of the instructor's ability, knowledge, expertise and delivery of the course," says Amanda Wild, branch manager of Generation Training Services, which received an unannounced visit recently. "Clients demand high quality training from providers and the audits provide valuable feedback as to the quality of training we are delivering."

IPAF auditors operate internationally and phone surveys of individual customers trained at IPAF-approved training centres are also used as part of the ongoing customer satisfaction monitoring required.

"On rare occasions, we have had to remove instructor or training centre licences," Councill recalls.

"This would be for serious breaches such as running courses that fall short of the minimum hours, or running courses with more than the stipulated maximum number of candidates. Such cases are rare, as instructors and training centres take their job seriously and are very aware of the negative impact this could have on their career. Knowing that you could be caught during an unannounced audit does keep you on your toes and up to the mark." ■

### Standards met: ISO 18878 and ISO 9001

IPAF complies with ISO 18878:2004 Mobile elevating work platforms – Operator (driver) training. This was affirmed through an on-site audit in July 2011 at IPAF-approved training centre HSS in Solihull, UK.

An auditor from the international certification organisation TÜV observed an operator course for the MEWP categories 3a and 3b conducted by an IPAF-certified instructor on that day. No non-conformities were found.

IPAF also meets the ISO 9001:2008 Quality management systems standard, having passed the annual surveillance and re-certification audit by ISOQAR. The audit covered the provision of services, support, assistance and general guidance to IPAF members and the powered access industry as a whole.

ISO 9001 relates to quality systems within businesses and IPAF has been independently audited against this standard since 2003. ISO 18878 relates specifically to MEWP operator training.





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# WHY CONTRACTORS SHOULD ASK FOR IPAF RENTAL+

*There are hundreds of rental companies, so how does a contractor choose from the multitude of powered access equipment suppliers to be sure they adhere to specific audited standards? We spoke to some IPAF Rental+ companies to find out how this quality mark differentiates them from the competition*

**W**e constantly measure customer satisfaction levels and for us the IPAF Rental+ award was the icing on the cake," says Janine Marriott of Access Plus in Scotland.

"It was concrete proof that what we say, we do for the customer. It's easy to market your company and claim you are bigger and better,

and many companies may look good on the outside. The difficulty is actually being able to live up to your promises – and, unfortunately for many contractors, by the time they find out that their expectations are not being met, the hire is well under way."

Marriott adds: "Contractors should ask for IPAF Rental+ companies to be confident that

they will be looked after to the highest level on all aspects of their hire, and that the staff they are interacting with have been trained to the highest level.

"All our customers receive personal attention. We genuinely care how every hire goes for each customer and work constantly to ensure that we deliver total peace of mind with each and every hire."

"IPAF Rental+ companies guarantee that their customers will receive the highest level of service and equipment supplied," says Gordon Leicester, managing director of Facelift Access Hire, based in Sussex.

"This means that contractors can focus on the job at hand and not have to worry about the suitability of the equipment for the task, its condition, whether it will turn up on time, or, in the case of an operated hire, the





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» competence of the operator supplied by the rental company.

"The IPAF Rental+ accreditation is one that we are proud to hold and it helps ensure that we are driven by excellence from the initial enquiry through to the completion of the hire," says Leicester.

"We are fortunate to have a loyal customer base that gives us reliable and honest feedback and praise for the service we deliver. We focus on the entire customer experience and always look for ways to do better."

Dave Williams of Wakefield-based Horizon Platforms says: "With IPAF Rental+, every part of the hire process is improved and regularly audited, from the initial enquiry, through to the driver being adequately trained to deliver and hand over the machine to the hirer.

on, "and we are committed to impeccable service, ensuring that customers get what they want, when they want it, every time. We aim to answer the telephones within three rings and always try to accommodate any special customer requests."

Malcolm Bowers, director of Lifterz in West Yorkshire, says: "Quality-assured standards mean very little when they are not measured against any benchmark.

"ISO standards do not necessarily measure within the industry as a whole and companies have their own internal standards. With IPAF Rental+, companies are accredited against standards that have been set by others.

Bowers points out Lifterz is concentrating its investment in the market for tall, drivable-at-height electric scissor lifts. The company

## IPAF RENTAL+ GIVES CONTRACTORS THE OPPORTUNITY TO SOURCE THE CORRECT MACHINE FOR THEIR PARTICULAR SITES, ENSURING THAT CONTRACTS ARE CARRIED OUT IN A SAFE, EFFICIENT WAY

"Poor-quality machines or poor handovers cost time and money on sites. The strict, structured processes involved in IPAF Rental+ give contractors the opportunity to source the correct machine for their particular sites, ensuring that contracts are carried out in a safe, efficient way."

Williams notes that Horizon has only ever bought brand new platforms from the best manufacturers and invested in state-of-the-art delivery vehicles.

"We have never been the cheapest rental company and our IPAF Rental+ accreditation gives us the opportunity to sell our benefits to customers. It offers peace of mind not only to our end-user customers, but to other rental companies who rehire our machines.

"Our people are the cornerstone," he goes

has nearly 50 such units, including ones supplied by Holland Lift, PB Lift and Iteco.

"Contractors who use IPAF Rental+ companies can be assured that their supplier will have procedures in place that will bring benefits to them. Even at the initial request for equipment, the process is designed to ensure that the right piece of kit is ordered to help the customer fulfil his obligations under the Work at Height Regulations.

"This is a far cry from dealing with a scripted and inexperienced person in a call centre," says Bowers. "From the original enquiry onwards, the pre-delivery inspection, delivery and invoicing, the whole procedure, is assessed and monitored to ensure that standards are met." See the full list of IPAF Rental+ companies at [www.ipaf.org](http://www.ipaf.org). ■

### What is IPAF Rental+?

IPAF Rental+ is an independent quality mark awarded by IPAF to member access rental companies independently audited as meeting defined standards in customer service, safety, staff training, contract terms and machine inspection.

The standards are set by a committee of experienced individuals in the powered access rental business. Each audited company gets a return visit from the auditors every year.

The IPAF Rental+ sign distinguishes reliable suppliers of access equipment that go that extra bit further to provide customers with top-quality service from knowledgeable hire desk staff whose training and competency are checked by the IPAF Rental+ auditor.

Procedures ensure the right questions are asked to ascertain the best machine for the job, and if the customer is uncertain, to offer to conduct a site survey. Auditor-checked staff's knowledge of safety legislation and equipment will help contractors operate safely and legally.

All IPAF Rental+ companies use delivery drivers trained to demonstrator level. They can explain and demonstrate features of the machine, including manufacturer's instructions and warnings, control functions, safety devices and emergency lowering procedures.

When a machine is handed over to a customer, there must be an offer of a familiarisation demonstration. There must be proof that this question has been asked and a system in place for when such familiarisation is not possible. IPAF Rental+ companies can provide trained operators with machines hired out.

These companies have qualified staff, from full service and maintenance engineers to pre-delivery inspection (PDI) inspectors. All appropriate PDI and maintenance paperwork and records must be kept. In the UK, access equipment used to lift people must be thoroughly examined by a competent person every six months. Machines on hire must carry a current valid certificate of thorough examination.

IPAF Rental+ companies are required always to know where their machines are, making it easier to provide support and back-up when needed. The IPAF Rental+ audit also verifies that the company has processes and policies for dealing with issues such as customer satisfaction, insurance, and health and safety.





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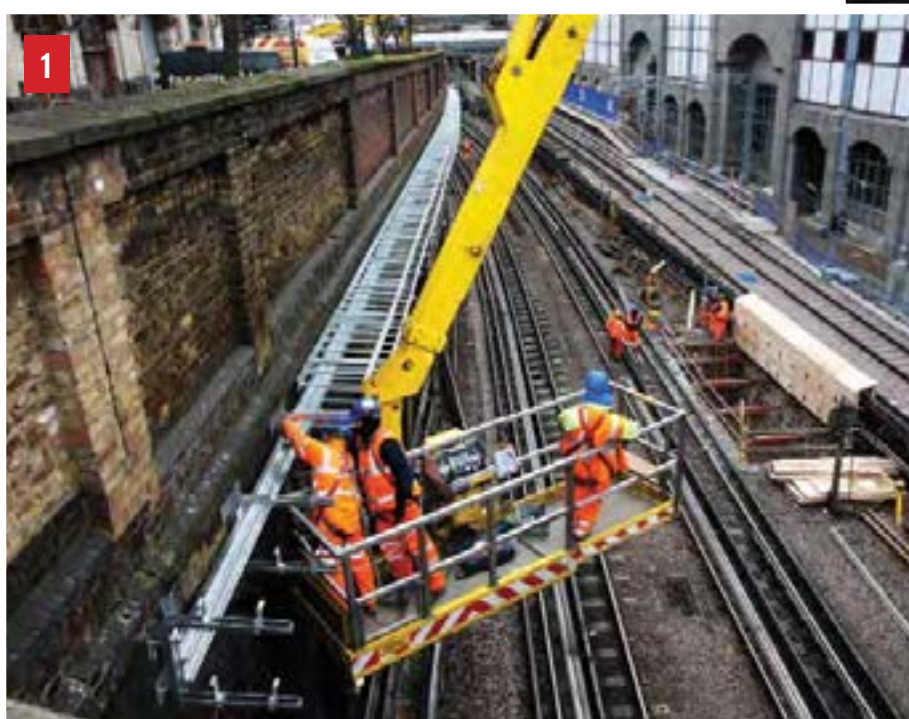


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# Time to extend your reach?

We look at some leading platforms that assist construction and maintenance workers' access in a variety of challenging projects. Is there one that could make your task easier?



**1** Facelift has put a 46m Bronto access platform to good use on a contract at Farringdon Station in London.

The project is upgrading the power supply at the station in readiness for the London Crossrail project.

The Bronto platform was used with a down reach of almost 5m, to allow operatives to work safely above the track. This provided the client with a stable working platform from which to install the cable containment and the high-voltage cables.

**2** CTE recently added the ZED 20CSH to its model line-up, with the S model offering a 50kg higher lift capacity than the standard ZED 20CH.

The articulated boom machine provides working heights of up to 20m with the power to lift a 250kg load.

As with the company's ZED 26JH boom, the ZED 20CSH features single-movement outriggers, and these make it possible to work closer to pavements and other obstacles.

**3** Extreme Access Hire, which specialises in access for wind turbines, has developed a specialised cleaning attachment that can be attached to its 70m truck-mounted access platforms. This combined service and access platform provides operatives with everything they need to service a wind turbine blade *in situ*.

The platform incorporates a water storage system, generator, water heating system and twin brushes. The brush-to-blade pressure is closely monitored using laser sensors, which also ensure the brushes follow every contour of the blades.





» **4** Harsco Infrastructure has provided a complete range of services and products to a project at Utrecht University in the Netherlands. Construction of the new Faculty of Science building called for comprehensive formwork, shoring, encapsulation, mast climbing, suspended and powered access, scaffolding, and staircase and edge protection.

Harsco also provided one of the largest rolling roof structures ever used in Holland. The company worked with main contractor Hurks van der Linden and roofing system provider Haki to create the Hakitec 750

rolling roof to shield the project from the weather. It was designed to be opened and closed by the on-site scaffolding team during construction work to allow materials to be craned into the building.

"Although the rolling roof played a central role in Harsco's contribution, our ability to act as a single-source supplier brought significant benefits to this project," says sales manager Arie van Dijk.

"By providing a fully integrated solution we were able to ensure that each aspect was managed as efficiently as possible and also helped to maintain the highest safety standards on site."

**5** Visitors to the Russian city of St Petersburg have long been attracted to the Alexander Nevsky bridge over the river Neva. Built in the 1960s, to commemorate the national hero who in 1200 defeated the Swedish army, the bridge is romantically underlit with a modern lighting system.

Lensvet, the company that has maintained the city's street lighting since 1934, recently purchased two Merlo Roto 40.25 MCSS telescopic handlers equipped with Space 11 platforms. These machines allow engineers to work below the bridge, ensuring that the lighting remains in working order.





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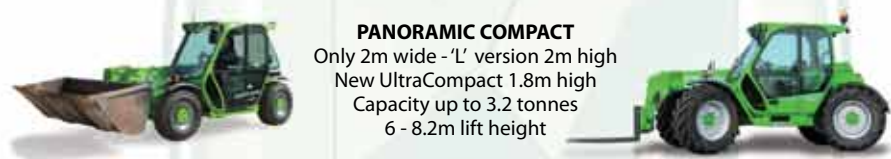


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**>> 6** The Maslenica Bridge, which partly spans the Adriatic Sea in Croatia, has a length of 378m, a height of 75m and a radian measure of 200m. Owing to the design's geometry, standard underbridge inspection is not possible, so WEMO-tec has come up with a solution using a second telescopic platform and a hoist-winch generator.

In addition to the operator, the system allows two inspectors to inspect the arch on a 1.6m-wide platform, while two other inspectors can inspect parts of the superstructure on the base platform. The bridge pillars can also be inspected using the platform.

**7** Maber produces a range of goods and passenger hoists, with capacities of 350-3,000kg and 800-2,000kg respectively. The platforms can be used with single and twin masts and, when tied into façades, they offer working heights of up to 150m. Working decks can be 7-30m long.

**8** Contractors in Milton Keynes, UK, have managed an unusual satellite receiver installation with the use of a Nifty HR15 4x4 platform from Niftylift. After hiring a larger machine, the contractors found they could not get close enough to safely reach the job. However, they had seen the HR15 working on another part of the site, so approached the operators and carried out a risk assessment.

The machine's 180° rotation and cage size, along with 9.6m of outreach, allowed the operator to position the base on the nearby asphalt while reaching up and over the muddy ground in between.





**9** One of specialist access hire company Lifterz's tallest scissor lifts provides instant access for internal building maintenance. The IPAF Rental+ company, which offers scissors and booms from a number of manufacturers, has provided an access solution that is both faster and more adaptable than a fixed scaffold, allowing workers to reach the vaulted atrium glazing from the lower floor without costly and time-consuming set-up and dismantling.



**10** Access specialist Ramirent helped a renovation project in Oulunsalo, northern Finland, by delivering workers and materials to the circular water tank façade at heights of 40-50m. No mast anchors could be mounted below the tank, so the first anchor had to be installed at 45m.

Two SC5000 mast climbing work platforms had two Maxianchors per mast. The first anchor was set at 45m, the second at 48m. Both machines had 13.7m-long platforms, with the circular shape of the work platform formed from regular telescopic extensions, with a maximum length of 2.5m.

**11** Italian access platform manufacturer Bluelift has a growing range of crawler-mounted spider platforms, offering up to 21m of working height. The machines are equipped with a self-stabilising system and come with load limit and moment-limiting devices to ensure safe operation. Maximum capacity on all models, from 12-21m, is 200kg.





# MCWP MARKET CAN STILL GROW

*In the current tough economic climate, contractors are more likely than ever to look for low-cost solutions, but IPAF is playing its part in raising international awareness of mast climbing work platforms*

**A**t a time of economic downturn, many contractors naturally turn to tried and tested methods of work, with an eye on reducing costs wherever possible. In terms of access, for many that means a reliance on scaffolding, as a relatively low-cost solution, despite the time and cost benefits of alternative powered access methods such as mast climbing work platforms (MCWPs).

"The MCWP market has not been as over-capacity as scissors and booms, which means there is a big opportunity for growth. But adoption is still relatively slow in some markets," says Cameron Reid, European business development director for Harsco and IPAF's committee chairman for mast climbing work platforms (UK & Ireland).

"The big issue has been oversupply against market contraction. This has led to limited capital being available for reinvestment."

MCWPs are a mature access solution,

particularly in European countries such as Holland, Sweden and Italy. Overall, however, MCWPs account for less than five per cent of the total access market, so there is plenty of room for increased adoption. Markets such as Latin America, North America, the Far and Middle East are all expanding well, according to Reid, though developing territories such as China and India are only recently starting to accept the use of MCWPs.

The flood of supply of other types of access, particularly scaffolding, is having an effect on the growth in popularity of the MCWP. This is despite the fact that MCWPs can in particular circumstances, reduce the duration of an access installation by up to



50 per cent, when compared to conventional access methods, with installation costs and time drastically reduced.

"With oversupply prices drop, rates drop and access becomes a lot more affordable," says Reid.

"The problem now is that manufacturers are suffering from not being able to produce and sell enough machinery – and this is leading to very little development in the product itself. The market needs to be there to fund that development."

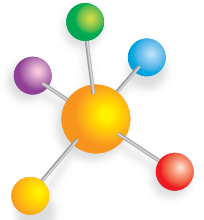
Such new model development as there is tends to be based in electronics and control systems, with manufacturers offering increased efficiency and features such as

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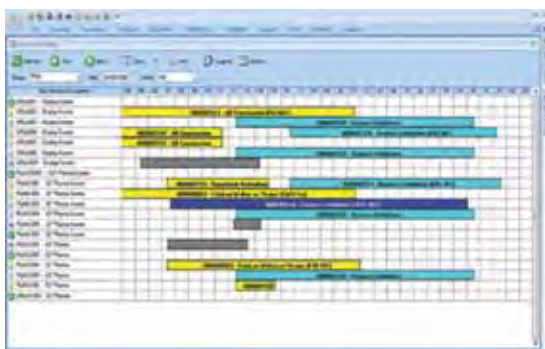
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- Full suite of management reports
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➤ slow start and stop, to smooth out travel on the platform.

The good news for hire companies and contractors that run MCWPs is that they are a long-life machine. This means that the return on investment for hire companies can be spread over many years.

“Maintenance is key and if you maintain it well, the machinery will last longer,” says Reid.

However, this means there is less good used machinery for manufacturers to use to develop new markets.

Another factor that restricts growth of the MCWP market, particularly in developing areas, is the fact that a company cannot simply move into this type of machinery overnight. Where a general plant hirer might purchase a few scissor lifts or booms, to complement existing equipment, MCWPs are relatively specialist machines, requiring expertise and knowledge to install, operate, maintain and to market.

IPAF has been at the forefront of increasing awareness of MCWPs for some years. The Federation has developed a dedicated website section for the MCWP sector at [www.ipaf.org/mcwp](http://www.ipaf.org/mcwp), outlining the advantages of their use and reference documents to assist customers and hire companies. It also demonstrates that, as with many forms of powered access, the MCWP is not only a construction industry machine.

“Recently Harsco has been looking at many non-construction applications, everything from power line maintenance to sewer inspection,” says Reid.

“We find that people’s knowledge of MCWPs in some areas is still very limited.”

Reid is confident that the market will continue to recover and grow, in existing markets and in new territories. Companies are looking for efficient, productive equipment, and the mast climbing work platform offers many benefits that scaffolding and other forms of powered access simply cannot compete with.

“As things continue to pick up, we can see that there will definitely be further development,” says Reid. ■



IPAF HAS DEVELOPED A DEDICATED SECTION OF ITS WEBSITE OUTLINING THE ADVANTAGES OF MCWPS AND PROVIDING REFERENCE DOCUMENTS TO ASSIST CUSTOMERS AND HIRE COMPANIES

### Training is widely available

IPAF-accredited training centres provide a range of training courses for the MCWP market, leading to the award of PAL Cards (Powered Access Licences) for mobile operators, demonstrators, installers and advanced installers.

Installation qualifications are different than for other forms of powered access, because the MCWP is fixed on the project, often for long periods, rather than being a mobile machine moving about the site.

The demonstrator category is for operatives who are responsible for inducting users and ensuring that the equipment is used safely. Demonstrators need to understand model-specific engineering and servicing requirements and be conversant with risk assessment guidance along with all relevant legislative requirements.

Installers, as the name suggests, will actually install the platforms on site. They, too, must have specific detailed understanding of the erection and

dismantling procedures for the machinery with which they are working.

The advanced installer category is for managers and supervisors, who must demonstrate the ability to plan and carry out risk assessments, compile method statements and be able to configure special arrangements including relevant anchor and tie specifications.

IPAF training provides a universal level of expertise and knowledge that is essential to ensure safe use of MCWPs.





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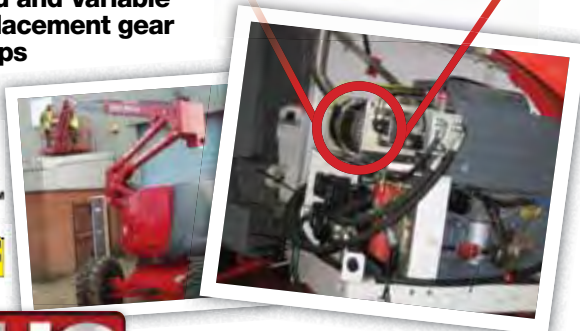
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Only those platform rental companies offering the very highest standards of safety, customer support and service are allowed to display the IPAF Rental+ sign. Their standards have been independently checked and they know they will be regularly inspected to ensure that you always get exceptional levels of service and support.

IPAF Rental+ covers staff training, platform selection, hire contract terms, safety, legislative compliance – and much, much more.

- +** First of all, you'll find experience you can rely upon to help select exactly the right machine to get your job done effectively and on time
- +** What's more, the IPAF endorsement means you can be sure of the highest possible standards of safety
- +** IPAF's advice on safety legislation, safety equipment and operator training are all available as part of the service
- +** Comprehensive pre-delivery inspection and condition monitoring gives you the confidence that the machine delivered will be both reliable and safe on site
- +** Up-to-date knowledge of the industry's changing safety legislation is available to you so you can be sure you keep on the right side of the law
- +** With terms of hire conforming to strict standards, you can be sure of a fair contract
- +** Location tracking of machines in the hire fleet ensures equipment will be available as required and delivered on time
- +** You can be assured that the hire company's operators will be fully trained to the highest of standards; they will carry the IPAF PAL Card
- +** Handover procedures and the associated documentation are provided by fully qualified IPAF demonstrators
- +** IPAF Rental+ means benchmarked top quality service and support. It also includes ongoing customer satisfaction monitoring aimed at continual improvement. So the best will always be getting even better!

**10/10** *Ten out of ten! You'll find IPAF Rental+ leaves you to get on with your contract, confident that you are working at height both productively and safely.*



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# YOU'RE WORTH IT!

*You are not alone. Companies in the industry have banded together to form an influential and supportive federation to look out for your interests*

## IPAF membership: a key to services that give value for money

The International Powered Access Federation is a not-for-profit organisation owned by its members, who include manufacturers, rental companies, contractors and end-users of equipment. Members become part of an industry focused on safety and best practice, and benefit from a wide range of services.

Being a member of IPAF is about supporting an association that promotes the safe and effective use of powered access. Your IPAF membership number and company name are your key to many benefits that will save time and money, some of which are highlighted below.

## Tax refunds for PAL Card holders

Rift, which specialises in tax refunds for UK construction workers, is making good on its pledge to bring financial benefits to IPAF PAL Card holders in these challenging times. Rift has teamed up with IPAF members, including Lavendon Access Services, to share the benefits of this incentive scheme.

"I first heard about Rift at an IPAF training course run by Lavendon," says Andrew James, from Swansea. "My instructor explained that

Rift helped construction workers claim tax refunds – I didn't even know you could do that. All I had to do was complete an easy form with my contact and employment details and they would do the rest.

"The next thing I knew, a really helpful person from Rift called and guided me through every step of the claim. I received £1,745 and would recommend Rift to anyone. Thank you, IPAF, for making this service available to PAL Card holders."

## Inspired rentals

InspHire is a simple-to-use hire software package, tailored to meet the specific needs of the powered access rental market. IPAF members get a discount on the system and users include GT Access, Aerial Platforms, Facelift, Rapid Platforms, AFI-Uplift and Higher Access.

"InspHire met all our requirements. We chose it because we felt it was the best offering around," says Paul Hyde, director at Higher Access. "InspHire allows us to have an immediate handle on what is happening within the business in an easy-to-access format and it has had a very positive effect on our business. We are in a much better position

to know what equipment we have available for hire, where it is, what state of readiness it's in and how the machines are being utilised.

"We are now ready to implement inspHire Mobile Working. This will give us the ability to work on site by being able to send over GSM real-time updates and reduce the volume of paper documents taken to site. It will also allow us to update our fitters and drivers immediately by sending these straight to their PDAs, ready to be signed off on site."

## Smart CRM solutions

Ever wondered how your company could work from one central database that unites functions such as accounts, production, sales and marketing? SuperOffice is giving a significant discount off its customer relationship management (CRM) software that does exactly that.

A 10-user system, including specific configuration for rental businesses, costs £6,864 to IPAF members (usual price £10,158). The offer is currently available in the UK, Ireland, France, Italy, Spain, Portugal, Asia, Australasia and Africa. SuperOffice is available internationally in 15 languages and is used by IPAF staff.

## Discounted courier deliveries

Do you use a courier service to send parcels or documents around the UK or internationally? Do you struggle to get cost-effective pricing because the volume of items is low?

IPAF members in the UK can now tie in to the introductory 50 per cent discount rate offered to IPAF by courier company TNT. This rate is guaranteed for six months, after which the rate will depend on the volume of deliveries made by IPAF and its members. The more members that use the service, the better the chance that all will continue to benefit from the 50 per cent discount. ■

**Andrew James,**  
who reclaimed  
tax thanks to Rift  
and IPAF



## Details on IPAF member benefits and how to join are at the Services section of [www.ipaf.org](http://www.ipaf.org)

- » Lobbying and representation
- » Monitoring regulations and developments
- » IPAF experts
- » Technical hotline
- » Business information
- » Insurance
- » Business-related training
- » Credit reports
- » Annual publications and events
- » Web conferencing
- » Translation
- » IPAF rental reports
- » Hire terms and conditions
- » Market overview guides
- » Members only area
- » Legal consulting service

# International news

## How to perform pre-start inspections

To comply with ANSI standards in the US, operators of aerial work platforms (AWPs) must perform pre-start inspections of machines before use each day or at the beginning of each shift.

AWPT (American Work Platform Training), the North

American subsidiary of IPAF, has released a safety video that demonstrates how daily pre-start inspections should be performed. It can be viewed and downloaded at the Publications/Film section of [www.awpt.org](http://www.awpt.org).

There are two versions of the

video: one for scissor lifts and one for boom lifts.

Each version is about 13 minutes long. Both are targeted primarily at audiences in the US and Canada, but they offer good general guidelines for safety and best practice.



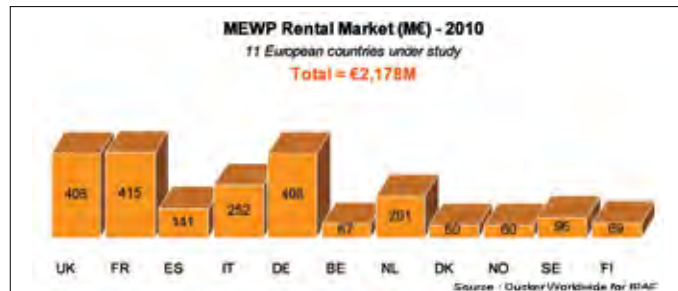
### Lift Safety Zone highlights ground support requirements



IPAF highlighted its new Look Down Before Going Up safety initiative at CONEXPO-CON/AGG in Las Vegas. It aims to make aerial work platform users aware of the dangers of inadequate assessment of ground conditions before use.

Visitors were asked to guess the weight of a typical 18m boom. Most guesses were 50 per cent below the actual weight.

The message is simple: the machine may be much heavier than you imagine and loads may be concentrated on one wheel, so always check ground conditions.



### Growth expected in European powered access market: IPAF Rental Reports

Mobile elevating work platform (MEWP) rental revenues are expected to grow steadily in European markets over the next two years, according to the IPAF European Powered Access Rental Report 2011.

MEWP rental revenues in the 11 European countries surveyed remained stable during 2010, with an estimated value of €2.2 billion euros. This figure represents 85 per cent of the total European market (defined as 27 countries plus Norway), resulting in a total market value approaching €2.6 billion.

"Europe is a diversified market for MEWP rentals and 2010 was a year of sharp contrasts," said IPAF's CEO, Tim Whiteman.

"It is a market driven by

specialists, such as in Germany, Benelux and Italy, which have been less affected by the crisis and resumed faster growth."

Growth is expected to remain gradual, at around five per cent per year, throughout 2011 and 2012.

The reports can be purchased at [www.ipaf.org/reports](http://www.ipaf.org/reports) and they are presented in an easy-to-read format, highlighting key facts and figures for senior management, such as fleet size, utilisation rate and retention period.

New for this year is an analysis of fleet mix, comparing the proportion of scissors and booms in Europe. Booms currently represent around 46 per cent compared to scissors at 49 per cent of the fleet.

### Petrobras safety officers get trained

Several safety officers from Petrobras, the Brazilian multinational energy and oil production company, have completed the IPAF operator training course for the first time at a Rio de Janeiro plant.

The course was delivered by IPAF-approved training centre Mills Rental.

Petrobras intends to establish high training standards for platform operators in all its plants across Brazil. It is one of the largest companies in Latin America, in terms of market capitalisation and revenue.

IPAF's Latin American office is based in Chile and the IPAF Brazilian Country Council is participating in the ongoing review of the Brazilian regulations concerning MEWPs.

### First Singaporean IPAF training centre gains government recognition

IPAF-approved training centre BS Technology, based in Singapore, has become the Ministry of Manpower's first Accredited Training Provider for MEWPs.

Its IPAF scissor lift and boom lift operator courses have been recognised as meeting the criteria defined by the Singapore Workplace Safety and Health Council in its Curriculum Development Advisory document.

## GAM AND LAVENDON CHIEFS EARN THEIR PAL CARDS

Access business CEOs are taking the lead with prioritising safety.

Carlos Fernández Aroz, chief operating officer of GAM, one of Spain's largest equipment rental companies, and Kevin Appleton, then chief executive of the UK-based Lavendon Group, are now proud holders of IPAF's PAL Card (Powered Access Licence).

Aroz and Appleton were



trained at Lavendon-owned Nationwide Platforms in machine categories 3a (mobile vertical, scissor lift) and 3b (mobile boom, self-propelled boom).

The full-day course included a theory session followed by a written test to gauge knowledge, and a practical session ending with a practical assessment of operating skill and ability.



  
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# HERE'S A REAL PRIORITY

*We shouldn't pay mere lip service to sustainable working methods because they are in everyone's best interests*



**S**ustainability has become an increasingly important consideration for the way companies work – in maintaining their presence in the marketplace and recognising how their operations affect the world around them.

Clients are calling on contractors and their suppliers to show environmental, economic and social responsibility. This, in turn, is being passed down through subcontractors to hire companies and other supply chain members.

"It's something that's very much being led by contractors and also, in the UK, by Government," says IPAF financial controller Barry Lewis, who sits on the ERA Sustainability Committee.

Suppliers are being asked to demonstrate how they are working to reduce their carbon footprint, manage waste, measure environmental impact and raise awareness of environmentally responsible behaviour.

"All the blue-chip companies have their requirements," says Austin Baker, health,

safety, environment and quality director at access provider AFI-Uplift.

"We see 60-page questionnaires and it's not just paying lip service: you have to put down targets and then show how you are going to achieve them. The larger the organisation, the more in-depth the questions, and they come annually."

## EXAMINING METHODS CAN LEAD TO FINDING MORE EFFICIENT WAYS TO RUN A BUSINESS, REDUCING ENERGY CONSUMPTION AND COSTS

This requires resource within the supplying company, but examining work methods can lead to finding more efficient ways to run the business, reducing energy consumption and in many cases saving money.

"Companies go in thinking 'How much is this going to cost?' but they should be asking how much it will save them," says Lewis.

Training and developing staff, putting good working practice in place and looking at how a company can operate more efficiently – there are savings to be made, both financially and in terms of productivity gains.

"It was extremely hard at first, but implementing requirements has put in place a quality system in our company that makes it a better place to work and provides us with a better understanding of the business," says

Baker. "I think it's absolutely critical. You can only look at saving the planet if it is saving the company money. We will certainly be looking at additional standards in the future."

There has been a secondary benefit to meeting client and contractors requirements for quality, environmental responsibility and sustainability, Baker believes. "If you've got a

company taking the time to look at the environment, if they've taken the time to put the infrastructure in place, then hopefully they are a better organisation to deal with, and they will look after your machinery better."

While some sectors of industry are only now moving towards multiple fuel options and hybrid technology as ways of reducing emissions and fuel use, the access industry has been working this way for years.

"We have been running a vast amount of electric and hybrid machinery," says Baker, "but as an industry we haven't been shouting about it."

"We were years ahead of other industries. We were one of the first industry sectors to run bi-fuel machinery, but we didn't know that we were making history. We are putting together larger machinery now using less resources. Twenty years ago a 30ft machine used a massive amount of steel, now a 70ft model could use the same resources."

Powered access can be used in many industry sectors and it is this broadening of appeal that will lead to a sustainable future for access rental companies.

"As an industry, it would be great if we could be a leader in corporate social responsibility," says Lewis. ■





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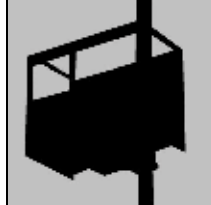
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# MANAGERS NEED TO BE IN THE PICTURE

*Ignorance of machinery, legislation or regulations is no excuse in the eyes of the law if something goes wrong on site. That's why IPAF has introduced a course for managers*

**J**ust as it is essential for mobile elevating work platform (MEWP) operators to attend a training course and hold a valid PAL Card (Powered Access Licence), managers and supervisors should also have the knowledge and expertise to plan and oversee the use of MEWPs – even if they do not personally operate the machines.

Understanding the full range of powered access solutions available and being able to choose the right machine for a specific task ensures the correct platform is hired. Knowing how to plan and supervise its use will also result in safe and efficient operation, reducing the risk of accidents and injury, while improving productivity.

There is a seemingly never-ending list of regulations and legislation governing the use of powered access, much of which is universal.

However, there are also some regulations that relate to specific industry sectors. All managers should be familiar with current legislation and standards that affect their business, such as the Provision and Use of Equipment at Work Regulations (PUWER), the Lifting Operations and Lifting Equipment Regulations (LOLER) and the Work at Height Regulations, to name but three.

Managers should also be aware that lack of knowledge is no excuse in the eyes of the law, and in many cases the buck will stop very firmly at their desk if something goes wrong.

IPAF has developed a comprehensive one-day course for managers and supervisors. MEWPs for Managers can be run on a trainee's own site or at one of the many IPAF-approved training centres around the country. The programme covers all of the relevant legislation and standards, as well as teaching best practice for managers involved with work at height.

Powered access is not only a construction-related sector, and MEWPs for Managers is suitable for managers and supervisors in a wide range of industries, from facilities management and retail to industrial cleaning and tree surgery. The course does not teach managers to operate MEWPs, but provides vital knowledge about operator training and familiarisation requirements. Managers also gain greater understanding of factors involved



in hiring in access equipment, with or without skilled operators.

The course outlines a company's and an employee's responsibilities once the machinery is on site, from daily maintenance to pre-use inspection and checks.

Managers also gain an appreciation of planning and the operation of MEWPs, including the need for ground investigation and risk assessments, and effective accident prevention and rescue strategies. Also covered are PPE requirements such as harness types and use.

"Managers go away knowing what the legislation is, the different types of MEWPs and why it is important to select the right one – and what protection equipment is required," says IPAF instructor Andrew Woodrow.

"MEWPs are inherently a very safe and efficient means of working at height, far safer than many alternatives. But using the right machine and operating in a safe, planned manner are essential requirements for successful working practice." Use the training centre locator at [www.ipaf.org](http://www.ipaf.org) to find one that offers MEWPs for Managers courses. ■

**THE COURSE IS SUITABLE FOR MANAGERS ACROSS A WIDE RANGE OF INDUSTRIES**



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# CHECKS ARE VITAL

*What are thorough examinations and who is competent to carry them out? We look at the legal basis, common practice and the IPAF CAP Card (Competent Assessed Person) programme*



**R**egular thorough examinations of all lifting equipment are a legal requirement in the UK under the Lifting Operations and Lifting Equipment Regulations (LOLER) 1998. The Work at Height Regulations (WAHR) 2005 add to this requirement with reference to working platforms.

In the UK, lifting equipment used to lift people – and this includes mobile elevating work platforms (MEWP) or mast climbing work platforms (MCWP), telehandlers with baskets and cranes with personnel baskets – must have a competent person carry out a thorough examination every six months.

It is against the law for any person or company to use, or to allow to be used,

maintenance inspection. It involves visual inspection, functional testing and measurement as necessary, to assess the condition of the MEWP or MCWP.

Thorough examinations are intended to establish whether or not the MEWP or MCWP can continue to be used safely. This includes assessing the correct function of all safety devices and identifying defects or weaknesses that could compromise the safe use of the equipment.

Under the legislation, all users are responsible for ensuring that no access equipment is used that does not have a current examination report. They are also responsible for arranging for examinations to be carried out by a competent person who is responsible

## IT IS AGAINST UK LAW FOR ANYONE TO USE, OR ALLOW TO BE USED, POWERED ACCESS EQUIPMENT WITHOUT DOCUMENTED EVIDENCE OF A SIX-MONTHLY THOROUGH EXAMINATION BY A COMPETENT PERSON

powered access equipment that does not have documented evidence of such an examination. The only exception is when an MEWP or MCWP is less than six months old from the date when it was first put into service – in which case the machine is covered by its Declaration of Conformity to the Machinery Directive.

A thorough examination is not the same as a regular daily check, a weekly inspection or a

for the examinations and for advising the authorities if there is imminent risk of serious personal injury.

Competent persons in the UK can be second parties (usually the manufacturer's, hirer's or owner's engineers) or third parties. They should have appropriate experience and knowledge to make judgements on safe condition and remedial actions, necessary qualifications and training to carry out

inspections, and demonstrate impartiality, integrity and independence from other related functions such as maintenance.

The competent person may use an examination scheme if appropriate. In addition, a thorough examination must be performed following exceptional circumstances that may jeopardise the safety of the equipment: for instance, following damage that may result in major repair or modification, after installation at a new site and before being put into service.

A report is required by law as an official record of thorough examination. This report should be kept for two years for MEWPs. For MCWPs the report should be kept until the equipment ceases to be used in that particular location.

IPAF's Competent Assessed Person (CAP) programme assesses and certifies the competence level of people conducting thorough examinations of access platforms. CAP assesses candidates to establish their theoretical and practical competence, providing candidates with up-to-date guidance on how to plan, implement and record thorough examinations.

CAP candidates are usually experienced service and maintenance engineers. A CAP assessment takes one day. The assessor covers all aspects of thorough examinations, including requirements and formulation of thorough examinations, performance of thorough examinations, thorough examination records and defect reporting.

Candidates take two written tests and complete a practical exercise, concluding with an individual interview/assessment.

If successful, they are awarded the CAP Card, valid for five years. This certifies that the holder has been independently assessed as a competent person with the knowledge and ability to plan, manage and carry out thorough examinations of access platforms. ■



**More information on the CAP programme can be found at [www.ipaf.org/cap](http://www.ipaf.org/cap)**



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# Website

## It's a mine of information

If you are looking for an access rental company that provides excellent service and goes above and beyond the call of duty, check out the list of IPAF Rental+ audited companies.

IPAF Rental+ is an independent quality mark that is awarded to member rental companies that have been audited to meet defined standards in customer service, safety, staff training, contract terms and machine inspection.

There is also a full membership directory on the website, where you can search for reliable business partners who abide by the IPAF Code of Conduct. Members range from equipment manufacturers and dealers and distributors to contractors and service companies.

If you want to network with colleagues from across the industry, check out our events page for listings of events that IPAF organises or attends.

The members-only area is accessible exclusively to IPAF members logging on with their membership number. They can access a range of services. For example, they can download logos, keep up-to-date through reading minutes of committee meetings, view the latest IPAF presentations and comment on documents for open consultation.

By the way, if you want to tell us what you think of our website, there is an online survey you can fill in. We would like to hear from you!



## www.ipaf.org

### YOUR POWERED ACCESS RESOURCE

Whether you are new to the world of powered access or are an experienced manager or operator, the IPAF website [www.ipaf.org](http://www.ipaf.org) has something for you.

A wealth of technical guidance material and resources is available on the website, including technical guidance notes and practical advice on using powered access equipment safely and effectively.

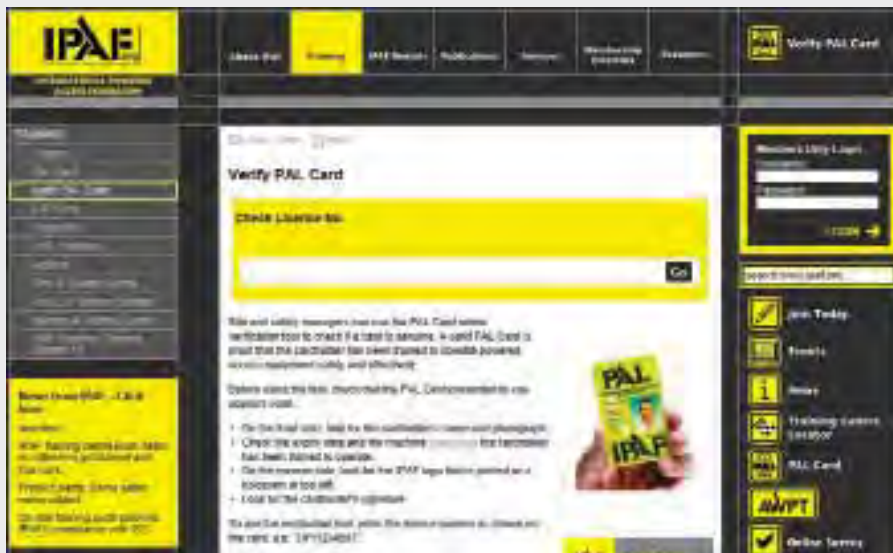
Topics range from using harnesses to familiarisation and assessing ground conditions. You can also find straightforward guidance on how to prevent rare but dangerous trapping or crushing accidents that could happen when aerial work platforms

are used in confined overhead spaces.

Elsewhere on the website is a range of reference guides providing information on subjects such as loading and unloading, risk assessment, and machine weights, loads and permissible loads.

Visit the Film section to learn about the correct use of equipment and view the award-winning *Spot the Mistake* video. The 20-minute programme features six separate scenarios and each scene contains one deliberate mistake, which the audience has the chance to identify before the correct procedure is shown.

Also, you can watch the dramatic video *Only Dummies Don't Wear Harnesses on Booms*, which presents a vivid illustration of the dangers of not wearing a full-body harness on a boom-type platform and the catapult effect when the boom goes over a low-lying obstacle.



## PROMOTING SAFETY

Support IPAF's safety campaigns, such as Clunk Click for harnesses on booms and the more recent Spread the Load!, calling for proper assessment of ground conditions and correct use of outriggers and spreader plates.

An emergency descent decal can be used to signpost emergency descent controls on machines. Stickers are available as artwork downloads or to order.

As for training, IPAF's programme for platform operators is certified by TÜV as conforming to ISO 18878. The locator will show your nearest training centre.

The PAL (Powered Access Licence) Card is proof of successful training, and site and safety managers can check its validity with an online verification tool.



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# Training centre locator

*IPAF training is provided by a network of approved training centres that operate independently. This directory helps you find your nearest training centre in the UK and around the world. All active IPAF training centres are subject to audits and expected to meet stringent quality procedures. New centres are being added every month. To see the most up-to-date list, visit [www.ipaf.org](http://www.ipaf.org)*

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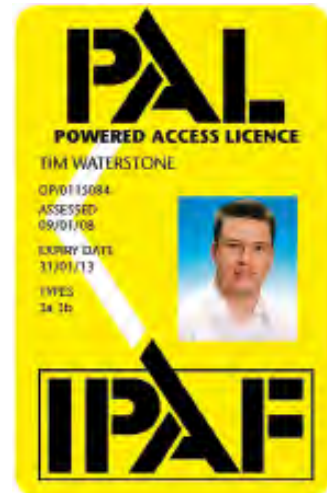
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Gateshead  
Tyne & Wear  
T 0191 493 2600  
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derek@pyeroy.co.uk  
[www.pyeroy.co.uk](http://www.pyeroy.co.uk)

**RS Industrial Services Ltd**

Billingham  
Stockton on Tees  
T 01642 674250  
F 01642 673368  
info@rsis.co.uk  
[www.rsis.co.uk](http://www.rsis.co.uk)

**Taylor Training Services (UK)**

Jarrow  
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T 0161 7759840  
F 0161 7759840  
ataylortraining@aol.com

**TDB Training Specialists Ltd**

Ashington  
Northumberland  
T 01670 851244  
F 01670 851234  
tracyblades@tdbtraining.co.uk  
[www.tdbtraining.co.uk](http://www.tdbtraining.co.uk)

**Tyne & Wear Access**

Washington  
Tyne & Wear  
T 0191 416 7192  
k.lewins@ntlworld.com  
[www.tyneandwearaccess.co.uk](http://www.tyneandwearaccess.co.uk)

**Warren Access**

Newcastle upon Tyne  
T 0191 2367120  
F 0191 2367109  
graeme@warrenaccess.co.uk  
[www.warrenaccess.co.uk](http://www.warrenaccess.co.uk)

**NORTH WEST**

**Ace Training Solutions Ltd**

Oldham  
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T 01706 0882645  
F 01613 0677361  
info@acetrainingsolutions.co.uk  
[www.acetrainingsolutions.co.uk](http://www.acetrainingsolutions.co.uk)



#### Adapt (UK) Training Services

Liverpool  
T 0151 5490549  
F 0870 8555646  
info@adapt-training.co.uk  
www.adapt-training.co.uk

#### Adept Training Services Ltd

Chester  
Cheshire  
T 01244 351809  
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adept.training@live.co.uk

#### Aerial Platforms Ltd

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T 0800 00853709  
F 01942 601738  
jseddon@aerialplatformsltd.co.uk  
www.aerialplatformsltd.co.uk

#### AFI-Uplift Ltd

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F 01332 696932  
training@afi-uplift.co.uk  
www.afi-uplift.co.uk



#### AFI-Uplift Ltd

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T 08707 871 511  
F 0870 066 4155  
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#### Alliance Learning Ltd

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F 01204 699619  
info@alliancelearning.com  
www.alliancelearning.com



#### Ashtead Plant Hire Co Ltd

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F 0129 3517321  
accessstrainingcentre@aplant.co.uk  
www.aplant.com

#### Astley Hire Ltd

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T 01942 608822  
F 01942 675060  
tbyron@astleyhire.co.uk  
www.astleyhire.co.uk/training/

#### CJ Access Services

Runcorn  
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F 0844 800 9304  
jimarnold@cjaccess.co.uk  
www.cjaccess.co.uk

#### Easi Uplifts (Safety Training)

Manchester  
T 0845 6001550  
F 01 691 4054  
training@easiuplifts.com  
www.easiuplifts.com

#### EMCOR Engineering Services

Stockport  
T 0845 200 2513  
F 0161 4925601  
sean.black@emcoruk.com  
www.emcoruk.com

#### Facelift Access Hire

Liverpool  
T 01444 881166  
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jlawrence@facelift.co.uk  
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#### G H Training Ltd

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T 07806 559688  
F 01942 202132  
ghtraining@blueyonder.co.uk

#### Hewden

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accessstraining@hewden.co.uk  
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#### Heyrod Construction Ltd

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info@heyrod.org  
www.heyrod.co.uk

#### Higher Access

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#### Highland Access Ltd

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Judy Cohen judy@highlandgroup.co.uk  
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#### HSS Hire Service Group Ltd

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#### HSS Hire Service Group Ltd

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#### JLG Industries (UK) Ltd

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#### Nationwide Platforms Ltd

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#### Nationwide Platforms Ltd

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#### Omega Access North Ltd

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info@omegaaccessnorth.co.uk  
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#### SIM Training Services Ltd

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ianmasseycts@hotmail.com

#### Speedy Support Services Ltd

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T 01744 2770000  
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#### System Training

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F 01228 574011  
admin@system-group.com  
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#### Taylor Training Services (UK)

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T 0161 7759840  
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ataylortraining@aol.com

#### Taylor Training Services (UK) Ltd

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taylortraining@btconnect.com

#### Trainrite Ltd

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F 01900 68045  
trainrite@btconnect.com  
www.trainriteuk.co.uk

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#### Belfast Skills Development Ltd

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F 028 9263 9510  
info@bsdtraining.com

#### Highway Plant Co Ltd

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T 028 9030 1133  
F 028 9062 5764  
julie.smyth@highwayplant.com  
www.highwayplant.com

#### HSS Hire Service Group Ltd

Newton Abbey  
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training@hss.co.uk  
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access@mentortraining.co.uk  
www.mentortraining.co.uk



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#### 1st Platform Rentals Ltd

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F 01698 733700  
truckmounts@tiscali.co.uk  
www.1staccessrentals.co.uk

#### Access Platforms Aberdeen Ltd

Aberdeen  
T 01224 899 0000  
F 01224 713 177  
rob@accessaberdeen.com  
www.accessaberdeen.com

#### Access Plus (Scotland) Ltd

Stevenston  
Ayrshire  
T 0800 3288178  
F 01294 466633  
sales@access-plus.co.uk  
www.access-plus.co.uk

#### Access Plus (Scotland) Ltd

Kintore  
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T 0800 3288178  
F 01294 466633  
sales@access-plus.co.uk  
www.access-plus.co.uk

#### Access Plus (Scotland) Ltd

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T 0800 3288178  
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**Active Access Ltd**

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andrew.mccusker@activeaccess.co.uk  
[www.activerentals.co.uk](http://www.activerentals.co.uk)

**Award Training Services Ltd**

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F 01862 894729  
ajward67@aol.com  
[www.awardtraining.co.uk](http://www.awardtraining.co.uk)

**Central Training Services Ltd**

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F 01506 829 884  
info@central-training.co.uk  
[www.central-training.co.uk](http://www.central-training.co.uk)

**Easi UpLifts (Safety Training)**

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F 01 691 4054  
training@easiuplifts.com  
[www.easiuplifts.com](http://www.easiuplifts.com)

**FES Ltd**

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hq@fes.ltd.uk  
[www.fes.ltd.uk](http://www.fes.ltd.uk)

**Fife Council Development Services**

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T 01592 583603  
F 01592 583675  
ross.hugh@fife.gov.uk  
[www.fifedirect.org.uk/hscourses](http://www.fifedirect.org.uk/hscourses)

**Generation (UK) Ltd**

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F 01924 377530  
amanda.wild@generationuk.co.uk  
[www.generationhireandsale.co.uk](http://www.generationhireandsale.co.uk)



**Hewden**

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F 01955 602316  
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[www.hughsimpson.co.uk](http://www.hughsimpson.co.uk)

**Industrial Access Systems Ltd**

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ind.access@hotmail.co.uk  
[www.deskspan.co.uk](http://www.deskspan.co.uk)

**J & D Pierce (Contracts) Ltd**

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jdpierce@jdpierce.co.uk  
[www.jdpierce.co.uk](http://www.jdpierce.co.uk)

**J G Martin Plant Hire Ltd**

Motherwell  
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F 0844 472 9599  
admin@martinplanthire.co.uk  
[www.martinplanthire.co.uk](http://www.martinplanthire.co.uk)

**M.B. Plant**

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nicohla@mbplant.co.uk  
[www.mbplant.co.uk](http://www.mbplant.co.uk)

**Mentor FLT Training Limited**

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[www.mentortraining.co.uk](http://www.mentortraining.co.uk)



**MG Scotland Ltd**

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ijmcghe@yahoo.co.uk  
[www.mgs-training.co.uk](http://www.mgs-training.co.uk)

**National Construction College**

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ron.mcnell@citb.co.uk  
[www.nationalconstructioncolleg](http://www.nationalconstructioncolleg)

**Nationwide Platforms Ltd**

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F 01908 646687  
training@lavendongroup.com  
[www.nationwideaccess.com](http://www.nationwideaccess.com)



**Outreach Ltd**

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T 01324 889000  
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mailbox@outreachltd.co.uk  
[www.outreachltd.co.uk](http://www.outreachltd.co.uk)

**Plantfinder (Scotland) Ltd**

Kilmarnock  
Ayrshire  
T 01563 850060  
F 01563 850936  
training@plantfinderlimited.co.uk  
[www.plantfinderlimited.co.uk](http://www.plantfinderlimited.co.uk)

**Ritchies HGV Training Centre Ltd**

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T 01415 572212  
F 0141 558 8252  
donald@ritchiestraining.co.uk  
[www.ritchiestraining.co.uk](http://www.ritchiestraining.co.uk)

**Scottish Access Services**

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Lanarkshire  
T 01236 435942  
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gerry.leckie@scotaccess.wanadoo.co.uk  
[www.scotaccess.co.uk](http://www.scotaccess.co.uk)

**Sibbald Ltd**

West Lothian  
T 01501 750900  
F 01501 733235  
enquires@sibbaldtraining.com  
[www.sibbaldtraining.com](http://www.sibbaldtraining.com)

**Turner Access Ltd**

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F 0141 309 5436  
enquiries@turner-access.co.uk  
[www.turner-access.co.uk](http://www.turner-access.co.uk)

**SOUTH EAST**

**AJ Access Platforms Ltd**

Southampton  
T 01291 421155  
F 01291 423236  
SWilson@accessplatforms.com  
[www.accessplatforms.com](http://www.accessplatforms.com)

**ALS Safety Limited**

Middlesex  
T 0843 2894713  
F 020 83287662  
info@als-safety.co.uk  
[www.als-safety.co.uk](http://www.als-safety.co.uk)

**Ashtead Plant Hire Co Ltd**

Essex  
T 0845 6008573  
F 0129 3517321  
accesstrainingcentre@aplant.com  
[www.aplant.com](http://www.aplant.com)

**Ashtead Plant Hire Co Ltd**

Fareham  
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T 0845 6008573  
F 0115 950 3182  
accesstrainingcentre@aplant.com  
[www.aplant.com](http://www.aplant.com)

**Charles Wilson Engineers Ltd**

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T 0208 756 6310  
F 0208 848 4064  
training@cwplant.co.uk  
[www.cwplant.co.uk](http://www.cwplant.co.uk)



**Facelift Access Hire**

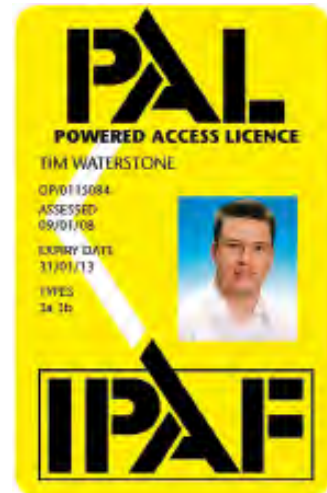
Hickstead  
West Sussex  
T 01444 881166  
F 01444 882522  
hiredesk@facelift.co.uk  
[www.facelift.co.uk](http://www.facelift.co.uk)

**Facelift Access Hire**

Southampton  
T 01444 881166  
F 01444 882522  
jlawrence@facelift.co.uk  
[www.facelift.co.uk](http://www.facelift.co.uk)

**Fenton Plant Hire**

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Berkshire  
T 01189 303066  
F 01189 303411  
administration@fentonplant.co.uk  
[www.fentonplant.co.uk](http://www.fentonplant.co.uk)



**Gamble Training Services Ltd**

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F 0870 7051344  
philip@gambletraining.co.uk  
[www.gamble.f9.co.uk](http://www.gamble.f9.co.uk)

**Gatwick Group Training**

Horley  
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F 0845 8382198  
paulhumphrey4@hotmail.com  
[www.gatwickgrouptraining.co.uk](http://www.gatwickgrouptraining.co.uk)

**Hampshire Plant & Access Ltd**

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F 01962 840 077  
neilgellender@btconnect.com  
[www.hampshireplantandaccess.co.uk](http://www.hampshireplantandaccess.co.uk)

**Harsco Infrastructure (MCWP only)**

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F 01372 381370  
info@harsco-i.co.uk  
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**Highland Access Ltd**

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Judy Cohen <judy@highlandgroup  
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**HSS Hire Service Group Ltd**

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**Kingfisher Access**  
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www.kingfisheraccess.co.uk

**Kingfisher Access**  
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F 0870 3503602  
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**Mark One Hire Ltd**  
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F 01702 546372  
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mtfm.training@mtie.com  
www.parkersell.com

**National Construction College**  
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**Operator Training Services Ltd**  
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**Operator Training Services Ltd**  
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orionaccess@email.com

**Placing Leaders Training Ltd**  
Buckingham  
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F 01280 821012  
Jim@placingleaders.co.uk  
www.pltraining.co.uk

**Rapid Platforms Ltd**  
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**Smart Platform Rental Ltd**  
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sales@smartplatforms.co.uk  
www.smartplatforms.co.uk

**South East Powerline Services Ltd**  
Heathfield  
East Sussex  
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F 01435 861241  
mick.chapman@seps.uk.com  
www.brockwellsforestry.co.uk

**Southern Cranes & Access Ltd**  
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training@southerncranes.co.uk  
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**A1 Hire & Sales Ltd**  
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Dorset  
T 01202 718777  
F 01202 732726  
training@a1hire.co.uk  
www.a1hire.co.uk

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**Astra Access Safety Training Ltd**  
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mandy@astratraining.co.uk  
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**C & G Services (Europe) Ltd**  
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F 01453 792123  
info@cgserv.com  
www.gettrained.co.uk

**Ermin Plant (Hire & Services) Ltd**  
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training@hss.co.uk  
www.hss.co.uk

**Light Hire Ltd**  
Marsh Barton  
Exeter  
T 01392 255211  
F 01392 253377  
info@lighthire.com  
www.lighthire.com

**LTC Training Services**  
(a division of LTC Group87 Ltd)  
Redruth  
Cornwall  
T 01752 485303  
F 01752 480490  
katie.chinn@ltctrainingservice.com  
www.ltctrainingservices.co.uk

**LTC Training Services**  
Plymouth  
Devon  
T 01752 485303  
F 01752 485308  
katie.chinn@ltctrainingservices.co.uk  
www.ltctrainingservices.co.uk

**Mentor FLT Training Ltd**  
T 01246 555222  
F 01246 234184  
access@mentortraining.co.uk  
www.mentortraining.co.uk



**Nationwide Platforms Ltd**  
Bristol  
T 0845 6011032  
F 01908 646687  
training@lavendongroup.com  
www.nationwideaccess.com

**Are you trained to use this equipment? If not, you should be!**

Ask your rental company about IPAF training. [www.ipaf.org](http://www.ipaf.org)



## On The Job Training

Newent  
Gloucester  
T 0845 5432129  
F 01531 821161  
training@onthejob.co  
[www.onthejob.co](http://www.onthejob.co)

## Panther Platform Rentals Ltd

Bristol  
T 01845 574222  
F 01845 574333  
training@panther.uk.com  
[www.platform-rentals.co.uk](http://www.platform-rentals.co.uk)

## Panther Platform Rentals Ltd

Wimborne  
Dorset  
T 01823 351251  
F 01823 351352  
training@panther.uk.com  
[www.platform-rentals.co.uk](http://www.platform-rentals.co.uk)

## Panther Platform Rentals Ltd

Liskeard  
Cornwall  
T 01823 351251  
F 01823 351352  
training@panther.uk.com  
[www.platform-rentals.co.uk](http://www.platform-rentals.co.uk)

## Prolift Access Ltd

Wellington  
Somerset  
T 01823 665902  
F 01823 664603  
andy@proliftaccess.co.uk  
[www.proliftaccess.co.uk](http://www.proliftaccess.co.uk)

## Stage Electrics

Avonmouth  
Bristol  
T 0117 937 9503  
F 0117 916 2825  
customertraining@stage-electrics.co.uk  
[www.stage-electrics.co.uk](http://www.stage-electrics.co.uk)

## The Health & Safety People Ltd

Bristol  
T 08456 122 144  
F 08456 122 166  
training@thsp.co.uk  
[www.thsp.co.uk](http://www.thsp.co.uk)

## WALES

## AJ Access Platforms Ltd

Caldicot  
Monmouthshire  
T 01291 421155  
F 01291 423236  
info@accessplatforms.com  
[www.accessplatforms.com](http://www.accessplatforms.com)

## AJ Access Platforms Ltd

Fforest Fach  
Swansea  
T 01291 421155  
F 01291 423236  
SWilson@accessplatforms.com  
[www.accessplatforms.com](http://www.accessplatforms.com)

## Ashtead Plant Hire Co Ltd

Bridend  
Mid Glamorgan  
T 0845 6008573  
F 0129 3517321  
accesstrainingcentre@aplant.co  
[www.aplant.com](http://www.aplant.com)

## Hewden

Cardiff  
T 0161 7722303  
F 0161 872 4068  
accesstraining@hewden.co.uk  
[www.hewden.co.uk](http://www.hewden.co.uk)

## HSS Hire Service Group Ltd

Cardiff  
T 0845 7667799  
F 0208 687 5014  
training@hss.co.uk  
[www.hss.co.uk](http://www.hss.co.uk)

## Mentor FLT Training Limited

T 01246 555222  
F 01246 234184  
access@mentortraining.co.uk  
[www.mentortraining.co.uk](http://www.mentortraining.co.uk)



## Nationwide Platforms Ltd

Cardiff  
T 0845 6011032  
F 01908 646687  
training@lavendongroup.com  
[www.nationwideaccess.com](http://www.nationwideaccess.com)



## Training-4-Safety

St Asaph  
Denbighshire  
T 01745 730734  
F 01745 730734  
barry@training-4-safety.co.uk  
[www.training-4-safety.co.uk](http://www.training-4-safety.co.uk)

## WEST MIDLANDS

## Access Training Solutions

Tipton  
T 07725 134284  
F 0121 5306763  
michael@accesstrainingsolutions.com  
[www.accesstrainingsolutions.com](http://www.accesstrainingsolutions.com)

## Adastra Access Ltd (MCWP only)

Aldridge  
Walsall  
T 01922 745125  
F 01922 453953  
kevin.hayes@adastra-access.co.uk  
[www.adastra-access.co.uk](http://www.adastra-access.co.uk)

## Ashtead Plant Hire Co Ltd

Birmingham  
T 0845 6008573  
F 0129 3517321  
accesstrainingcentre@aplant.co  
[www.aplant.com](http://www.aplant.com)

## Easi UpLifts (Safety Training)

Warwickshire  
T 0845 6001550  
F 01 691 4054  
training@easiuplifts.com  
[www.easiuplifts.com](http://www.easiuplifts.com)

## Facelift Access Hire

West Bromwich  
T 01444 881166  
F 01444 882522  
jlawrence@facelift.co.uk  
[www.facelift.co.uk](http://www.facelift.co.uk)

## Forcegroup Training Services Ltd

Stoke on Trent  
Staffordshire  
T 01782 208723  
F 01782 212785  
admin@forcegrouptraining.co.uk  
[www.forcegrouptraining.co.uk](http://www.forcegrouptraining.co.uk)

## Generation (UK) Ltd

Oldbury  
T 0800 05875224  
F 01924 377530  
training@generationuk.co.uk  
[www.generationhireandsale.co.uk](http://www.generationhireandsale.co.uk)



## Harsco Infrastructure (MCWP only)

Tamworth  
Staffordshire  
T 0844 3358860  
F 01827 266110  
training@harsco-i.co.uk  
[www.harsco-i.com](http://www.harsco-i.com)



## Hewden

Willenhall  
T 0161 7722303  
F 0161 872 4068  
accesstraining@hewden.co.uk  
[www.hewden.co.uk](http://www.hewden.co.uk)

## Hewden

Trafford Park  
Manchester  
T 0161 7722303  
F 0161 872 4068  
accesstraining@hewden.co.uk  
[www.hewden.co.uk](http://www.hewden.co.uk)

## HSS Hire Service Group Ltd

Solihull  
T 0845 7667799  
F 0208 687 5014  
training@hss.co.uk  
[www.hss.co.uk](http://www.hss.co.uk)

## Instant Training Ltd

Newport  
Shropshire  
T 01952 815750  
F 01952 815758  
hdillon@instant-training.com  
[www.instant-training.com](http://www.instant-training.com)

## Interserve Industrial Services Ltd

West Bromwich  
T 0121 524 7771  
F 0121 525 7768  
colin.simpson@interserve.co.uk  
[www.interserve.com](http://www.interserve.com)

## ISS Damage Control

Rugeley  
Staffordshire  
T 01889 570777  
F 01889 572657  
steve.field@uk.issworld.com  
[www.iss-damagecontrol.co.uk](http://www.iss-damagecontrol.co.uk)

## Kimberly Access Ltd

Standish  
Nr Wigan  
T 01423 816080  
F 01423 874890  
training@kimberlyaccess.co.uk  
[www.kimberlyaccess.co.uk](http://www.kimberlyaccess.co.uk)



## Kingfisher Access

Telford  
T 0870 350 3601  
F 0870 3503602  
samm@kingfisheraccess.co.uk  
[www.kingfisheraccess.co.uk](http://www.kingfisheraccess.co.uk)

## Kingscote Ltd t/a Webbs Training Services

Birmingham  
T 0121 213 5000  
F 0121 213 5001  
markwebb@webbs-site.co.uk  
[www.webbs-training.com](http://www.webbs-training.com)



## National Construction College

Kings Norton  
Birmingham  
T 0121 4594262  
F 0121 4598330  
gary.derrick@citb.co.uk  
[www.nationalconstructioncolleg](http://www.nationalconstructioncolleg)

## Nationwide Platforms Ltd

Leicestershire  
T 0845 6011032  
F 01455 556 759  
training@lavendongroup.com  
[www.nationwideaccess.com](http://www.nationwideaccess.com)



## S.A.T. Services

Stourbridge  
T 0777 3766539  
F 0845 5192 733  
info@satservices.org  
[www.satservices.org](http://www.satservices.org)

## Safe Access Training

Halesowen  
T 0771 983 4490  
F 0121 421 5002  
safeaccess@blueyonder.co.uk  
[www.safeaccesstraining.com](http://www.safeaccesstraining.com)

## Shropshire County Trainers Ltd

Telford  
T 01952 605009  
F 01952 605739  
joe.flowers@sctcentre.com  
[www.sctcentre.com](http://www.sctcentre.com)

## The E.ON UK Energy Academy

Tipton  
T 0121 530 7504  
paul.minter@central-networks.co.uk

## UK Platforms Ltd

Wednesbury  
T 0845 4501662  
F 01293 614478  
training@ukplatforms.co.uk  
[www.ukplatforms.co.uk](http://www.ukplatforms.co.uk)



## YORKSHIRE

### AFI-Uplift Ltd

Wakefield  
West Yorkshire  
T 08707 871 511  
F 0870 066 4155  
training@afi-uplift.co.uk  
[www.afi-uplift.co.uk](http://www.afi-uplift.co.uk)



### Astra Access Safety Training Ltd

Wakefield  
West Yorkshire  
T 01924 364147  
F 01924 363568  
info@astratraining.co.uk  
[www.astratraining.co.uk](http://www.astratraining.co.uk)

### Boss Training Ltd

Halifax  
West Yorkshire  
T 0845 6800495  
F 0845 6800496  
andrew@bosstraining.co.uk  
[www.bosstraining.co.uk](http://www.bosstraining.co.uk)

### Boss Training Ltd

T 0845 6800495  
F 0845 6800496  
andrew@bosstraining.co.uk  
[www.bosstraining.co.uk](http://www.bosstraining.co.uk)

### Eagle Platforms Ltd

Sheffield  
South Yorkshire  
T 0114 269 5909  
F 0114 269 9147  
jimhaigh@eagleplatforms.com  
[www.eagleplatforms.com](http://www.eagleplatforms.com)

### Engineering Construction Training

Bolton  
T 01204 699999  
F 01204 675218  
john.dodd@watsonsteel.co.uk

### Gardner Denver Ltd

Tong, Bradford  
West Yorkshire  
T 01274 683131  
F 01274 651006  
paul.pearson@gardnerdenver.com  
[www.gdpoweredaccess.com](http://www.gdpoweredaccess.com)

### Generation (UK) Ltd

Wakefield  
West Yorkshire  
T 01924 370640  
F 01924 377530  
amanda.wild@generationuk.co.uk  
[www.generationhireandsale.co.uk](http://www.generationhireandsale.co.uk)



### Hewden

Immingham  
South Yorkshire  
T 0161 7722303  
F 0161 872 4068  
accesstraining@hewden.co.uk  
[www.hewden.co.uk](http://www.hewden.co.uk)

### Hewden

Castleford  
West Yorkshire  
T 0161 7722303  
F 0161 872 4068  
accesstraining@hewden.co.uk  
[www.hewden.co.uk](http://www.hewden.co.uk)

### Holbrook Fork Lift Training Services

Hull  
East Yorkshire  
T 01482 323709  
F 01482 215829  
nick@holbrookforklift.karoo.co.uk  
[www.holbrookftcentre.co.uk](http://www.holbrookftcentre.co.uk)

### Horizon Platforms Ltd

Wakefield  
West Yorkshire  
T 01924 270383  
F 01924 264761  
training@horizonplatforms.co.uk  
[www.ipaftrainingcourses.co.uk](http://www.ipaftrainingcourses.co.uk)

### HSS Hire Service Group Ltd

Leeds  
West Yorkshire  
T 0845 7667799  
F 0161 8779074  
training@hss.co.uk  
[www.hss.co.uk](http://www.hss.co.uk)

### Lifterz Ltd

Osssett  
West Yorkshire  
T 01924 266662  
F 01924 266682  
elaine.reynolds@lifterz.co.uk  
[www.lifterz.co.uk](http://www.lifterz.co.uk)

### MECsafe Ltd

Doncaster  
South Yorkshire  
T 01302 775900  
F 01302 775902  
training@mecsafe.co.uk  
[www.mecsafe.co.uk](http://www.mecsafe.co.uk)

### Mentor FLT Training Ltd

T 01246 555222  
F 01246 234184  
access@mentortraining.co.uk  
[www.mentortraining.co.uk](http://www.mentortraining.co.uk)



### Nationwide Platforms Ltd

Normanton  
West Yorkshire  
T 0845 6011032  
F 01908 646687  
training@lavendongroup.com  
[www.nationwideaccess.com](http://www.nationwideaccess.com)



### Panther Platform Rentals Ltd

Thirsk  
North Yorkshire  
T 01845 574222  
F 01845 574333  
training@panther.uk.com  
[www.platform-rentals.co.uk](http://www.platform-rentals.co.uk)

### Peter Hird & Sons Ltd

Hull, East Yorkshire  
T 01482 227333  
F 01482 587710  
training@peter-hird.co.uk  
[www.peter-hird.co.uk](http://www.peter-hird.co.uk)

### Peter Hird & Sons Ltd

Doncaster  
South Yorkshire  
T 01482 481965  
F 01482 587710  
training@peter-hird.co.uk  
[www.peter-hird.co.uk](http://www.peter-hird.co.uk)

### The Safety Maintenance Company Ltd

Leeds  
West Yorkshire  
T 0113 385 4498  
info@thesmcl.co.uk  
[www.safetymaintenancecompany.co.uk](http://www.safetymaintenancecompany.co.uk)

### UK Platforms Ltd

Barnsley  
South Yorkshire  
T 0845 4501662  
F 01293 614478  
training@ukplatforms.co.uk  
[www.ukplatforms.co.uk](http://www.ukplatforms.co.uk)

## AUSTRIA

### Felbermayr Transport- und Hebeteknik GmbH & CoKG

Wels  
[www.felbermayr.cc](http://www.felbermayr.cc)

### Kögl GmbH

Eisenstadt  
[www.koegl.at](http://www.koegl.at)

### Lift-Manager GmbH, Jäkel & Rot

Graz  
[www.lift-manager.de](http://www.lift-manager.de)

## BELGIUM

### Allift Michielsens NV

Deurne (Antwerp)  
[www.allift.com](http://www.allift.com)

### BT Opleidingen

Molenstede/Diest  
[www.BT-opleidingen.eu](http://www.BT-opleidingen.eu)

### Omnitalent Benelux BV

Antwerp  
[www.omnitalent.info](http://www.omnitalent.info)

### Omnitalent Benelux BV

Brussels  
[www.omnitalent.info](http://www.omnitalent.info)

### Omnitalent Benelux BV

Ghent  
[www.omnitalent.info](http://www.omnitalent.info)

### Omnitalent Benelux BV

Hasselt  
[www.omnitalent.info](http://www.omnitalent.info)

### Omnitalent Benelux BV

Lüttich  
[www.omnitalent.info](http://www.omnitalent.info)

### Vangaever NV

Markegem  
[www.vangaever.be](http://www.vangaever.be)

## BRAZIL

### Mills Rental

Osasco-SP  
[www.Mills.com.br](http://www.Mills.com.br)

### Mills Rental

Porto Alegre  
[www.Mills.com.br](http://www.Mills.com.br)

### Mills Rental

Curitiba  
[www.Mills.com.br](http://www.Mills.com.br)

### Mills Rental

Serra - ES  
[www.Mills.com.br](http://www.Mills.com.br)

### Mills Rental

Simões Filho  
[www.Mills.com.br](http://www.Mills.com.br)

### Mills Rental

Belo Horizonte  
[www.Mills.com.br](http://www.Mills.com.br)

### Mills Rental

Rio de Janeiro  
[www.Mills.com.br](http://www.Mills.com.br)

### RIWAL do Brasil Locações De Equipamentos Ltda

Parana

### Solaris Equipamentos e Serviços Ltda

Osasco - SP  
[www.solarisbrasil.com.br](http://www.solarisbrasil.com.br)

## CANADA

### Skyjack Inc

Ontario  
[www.skyjack.com](http://www.skyjack.com)

## CHILE

### ALO Training Ltda

Santiago de Chile  
[www.alorental.com](http://www.alorental.com)

### ALO Training Ltda

Concepción  
[www.alorental.com](http://www.alorental.com)

### ALO Training Ltda

Antofagasta  
[www.alorental.com](http://www.alorental.com)

### ALO Training Ltda

La Serena  
[www.alorental.com](http://www.alorental.com)

### ALO Training Ltda

Concón  
[www.alorental.com](http://www.alorental.com)

## COLOMBIA

### Proing Ltda

Bogotá DC  
[www.proingcol.net](http://www.proingcol.net)

### Rolift

Cali  
[www.rolift.com.co](http://www.rolift.com.co)

## CZECH REPUBLIC

### Rothlehner pracovní plošný sro

Prague 9  
[www.rothlehner.cz](http://www.rothlehner.cz)

## FINLAND

### Bronto Skylift

Tampere  
[www.bronto.fi](http://www.bronto.fi)



**Are you trained to use this equipment? If not, you should be!**

Ask your rental company about IPAF training. [www.ipaf.org](http://www.ipaf.org)



**Rotator Oy**  
Pirkkala  
[www.rotator.fi](http://www.rotator.fi)

**Rotator Oy**  
Tampere  
[www.rotator.fi](http://www.rotator.fi)

**Rotator Oy**  
Vantaa  
[www.rotator.fi](http://www.rotator.fi)

**Scanclimber Oy (MCWP only)**  
Pirkkala  
[www.scanclimber.com](http://www.scanclimber.com)

**FRANCE**

**Formalev (Groupe Landrau)**  
Saint Sylvain d'Anjou  
[www.formalev.fr](http://www.formalev.fr)

**Haulotte France**  
Saint Priest  
[www.haulotte.com](http://www.haulotte.com)

**GERMANY**

**ABB Service GmbH Bobingen**  
Bobingen  
[www.abb.de](http://www.abb.de)

**ABKS Partnerlift GmbH**  
Isernhagen  
[www.partnerlift.com](http://www.partnerlift.com)

**AFI-Arbeitsbühnenvermietung Gm**  
Mannheim  
[www.afirent.de](http://www.afirent.de)

**AFI-Arbeitsbühnenvermietung GmbH**  
Hamburg  
[www.afirent.de](http://www.afirent.de)

**Alimak Hek GmbH (MCWP only)**  
Eppingen  
[www.alimakhek.de](http://www.alimakhek.de)

**Allgaier Hebesysteme GmbH**  
Neu-Ulm  
[www.allgaier-gruppe.de](http://www.allgaier-gruppe.de)

**Arbeitsbühnen Buchtmann GmbH**  
Delmenhorst  
[www.buchtmann.de](http://www.buchtmann.de)

**Arbeitsbühnen Koch GmbH**  
Leipzig  
[www.arbeitsbuehnen-koch.de](http://www.arbeitsbuehnen-koch.de)

**Arbeitsbühnen-Vertriebs- Und Vermietungs GmbH**  
Schwäbisch Hall  
[www.avv-arbeitsbuehnen.de](http://www.avv-arbeitsbuehnen.de)

**AST GmbH Arbeitssicherheit & Technik**  
Blaustein  
[www.ast-gmbh.biz](http://www.ast-gmbh.biz)

**Beyer-Mietservice KG**  
Erlensee  
[www.beyer-mietservice.de](http://www.beyer-mietservice.de)

**Bleser Mietstation GmbH**  
Neuwied  
[www.blesermietstation.de](http://www.blesermietstation.de)

**Bronto Skylift Deutschland G<sup>mbH</sup>**  
Berghülen  
[www.bronto.fi](http://www.bronto.fi)



**d bollmeyer GmbH Co & KG**  
Kirchlengern  
[www.bollmeyer.com](http://www.bollmeyer.com)

**Easy-Lift GmbH**  
Berlin  
[www.easy-lift.de](http://www.easy-lift.de)

**Ernst Müller GmbH & Co KG**  
Nuremberg  
[www.ernstmueller.de](http://www.ernstmueller.de)

**Flesch Arbeitsbühnen GmbH & Co KG**  
Tuttlingen  
[www.flesch-arbeitsbuehnen.de](http://www.flesch-arbeitsbuehnen.de)

**Gardemann Arbeitsbühnen GmbH**  
Alpen  
[www.gardemann.de](http://www.gardemann.de)

**Gardemann Arbeitsbühnen GmbH**  
Berlin  
[www.gardemann.de](http://www.gardemann.de)

**Gardemann Arbeitsbühnen GmbH**  
Braunschweig  
[www.gardemann.de](http://www.gardemann.de)

**Gardemann Arbeitsbühnen GmbH**  
Hasbergen  
[www.gardemann.de](http://www.gardemann.de)

**Gardemann Arbeitsbühnen GmbH**  
Kirchheim  
[www.gardemann.de](http://www.gardemann.de)

**Gardemann Arbeitsbühnen GmbH**  
Frankfurt  
[www.gardemann.de](http://www.gardemann.de)

**Gardemann Arbeitsbühnen GmbH**  
Schkeuditz OT Radefeld  
[www.gardemann.de](http://www.gardemann.de)

**Gardemann Arbeitsbühnen GmbH**  
Nürnberg  
[www.gardemann.de](http://www.gardemann.de)

**Genie Germany GmbH**  
Delmenhorst  
[www.genieindustries.com](http://www.genieindustries.com)

**Gerken GmbH**  
Düsseldorf  
[www.gerken-arbeitsbuehnen.de](http://www.gerken-arbeitsbuehnen.de)

**Haulotte Hubarbeitsbühnen GmbH**  
Bad Krozingen-Hausen  
[www.haulotte.de](http://www.haulotte.de)

**Hematec Arbeitsbühnen GmbH**  
Dresden  
[www.hematec-online.de](http://www.hematec-online.de)

**Hert Arbeitsbühnen Vermietung GmbH**  
Saarwellingen  
[www.hert-arbeitsbuehnen.de](http://www.hert-arbeitsbuehnen.de)

**Hytec Arbeitsbühnen Vermietung GmbH**  
Bremen  
[www.hytec-bremen.de](http://www.hytec-bremen.de)

**JLG Deutschland GmbH**  
Ritterhude-Ihlpohl  
[www.jlg.com](http://www.jlg.com)



**Josef Siegl GmbH**  
Karlsfeld  
[www.siegl-gmbh.de](http://www.siegl-gmbh.de)

**Kuhnle GmbH**  
Fellbach  
[www.kuhnle.eu](http://www.kuhnle.eu)

**Lanz Hebebühnen- & Nutzfahrzeugevermietung GmbH**  
Rutesheim  
[www.r-lanz.de](http://www.r-lanz.de)

**Lift-Manager GmbH, Jäkel & Rothlehner**  
Waldhufen OT Jänkendorf  
[www.lift-manager.de](http://www.lift-manager.de)

**Liftverleih Liesegang E.K.**  
Holzwickede  
[www.liftverleih.de](http://www.liftverleih.de)

**Mayer Hubarbeitsbühnen GmbH**  
Aalen  
[www.mayer-arbeitsbuehnen.de](http://www.mayer-arbeitsbuehnen.de)

**Merlo Deutschland GmbH**  
Bremen  
[www.merlo.de](http://www.merlo.de)

**Mietpark Gushurst GmbH**  
Sinzheim  
[www.mietpark-gushurst.de](http://www.mietpark-gushurst.de)

**Minimax GmbH & Co KG**  
Aschheim  
[www.minimax.de](http://www.minimax.de)

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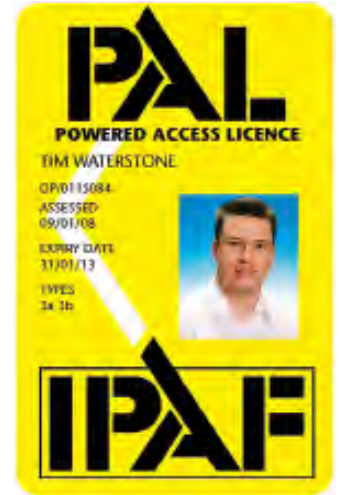
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www.jisuma.com

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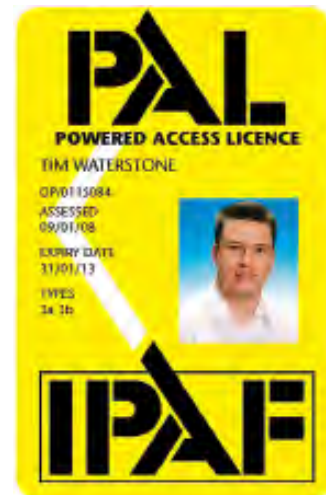
York  
www.baesystems.com

**Blazing Technologies Inc**

Rouzerville  
www.blazingtech.net

**Construction Safety Council**

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Companies that carry the IPAF Rental+ quality mark have been independently audited as meeting defined standards in customer service, safety, staff training, contract terms and machine inspection. Companies get a return visit from the auditors every year. Visit [www.ipaf.org](http://www.ipaf.org) for the current list of IPAF Rental+ companies.

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[www.2cousins.co.uk](http://www.2cousins.co.uk)

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[www.access-plus.co.uk](http://www.access-plus.co.uk)

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# WHAT IS IPAF?

**T**he International Powered Access Federation (IPAF) promotes safe and effective use of powered access equipment worldwide. It provides technical advice and information, influences and interprets legislation and standards, and runs safety initiatives and training programmes.

The not-for-profit organisation is owned by its members, who include manufacturers, rental companies, distributors, contractors and users. Members operate about 90 per cent of the MEWP rental fleet in the UK and manufacture approximately 85 per cent of platforms on the market.

IPAF's training programme for platform operators is certified by the international certification organisation TÜV as conforming to ISO 18878. More than 80,000 operators

are trained each year through a worldwide network of more than 450 IPAF-approved training centres. Successful trainees gain the PAL Card (Powered Access Licence), the most widely held and recognised proof of training for platform operators.

IPAF membership is open to users of platforms, manufacturers, distributors, and rental and training companies. Members can access practical information and a growing portfolio of member services. They can also influence relevant legislation and regulations.

More information is available from IPAF:  
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