

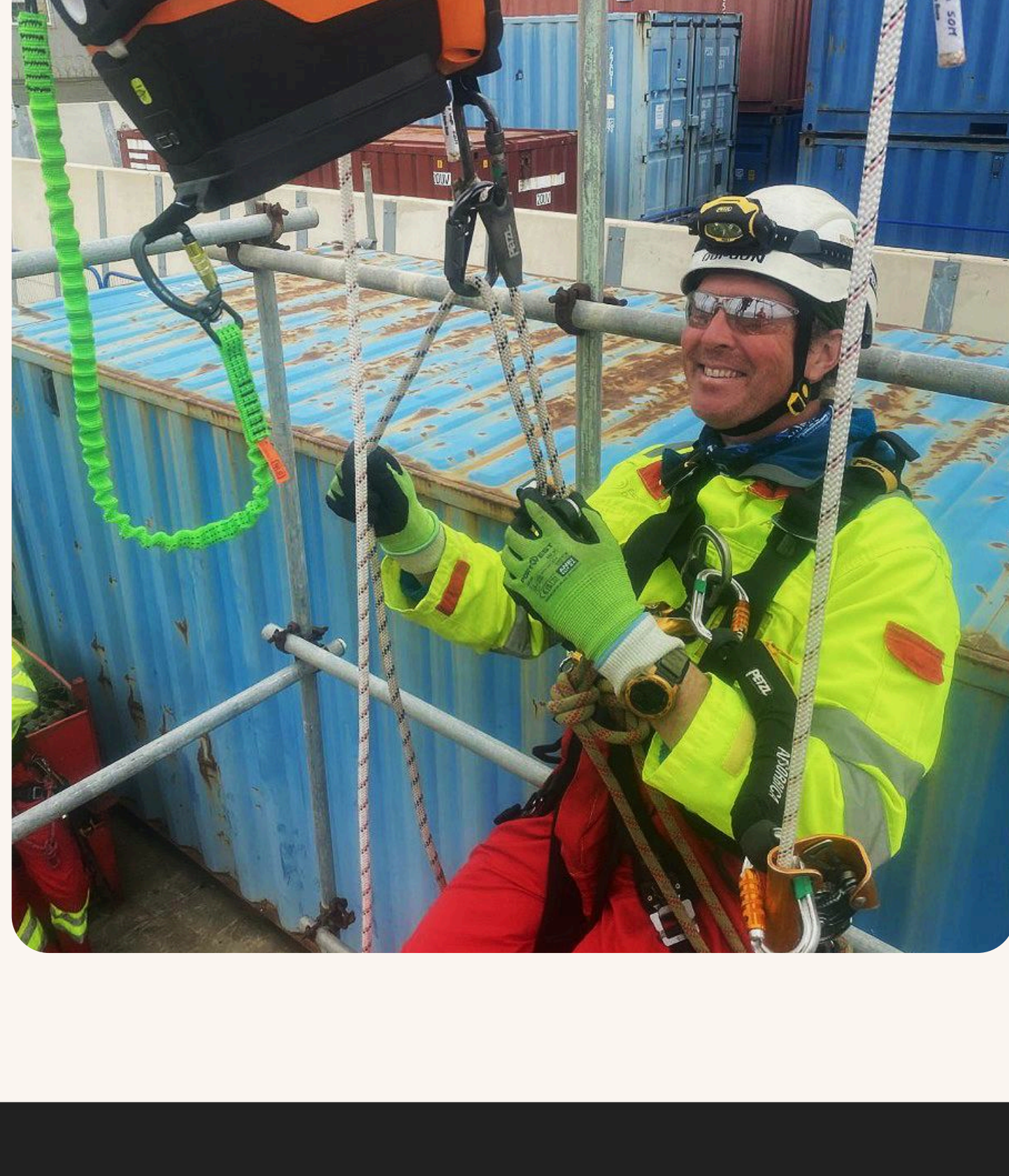
CASE STUDY

Altrad Services

Sector: Industrial Services

REAX

Enhancing Safety and Efficiency in High-Altitude Cladding Reinforcement with Actsafe ACX Powered Ascenders



In the summer of 2025, Altrad, a leading industrial services provider, partnered with REAX to deploy Actsafe ACX powered ascenders for a challenging cladding reinforcement project on a 50-meter-high building elevation. Facing significant physical demands and time constraints with a small team, Altrad integrated two ACX units into their operations. The result was a transformative improvement in safety, worker well-being and productivity, minimising fatigue and reducing the project duration by approximately two weeks.

This marked Altrad's first experience with Actsafe powered ascenders supplied by REAX, a trusted provider of specialised height access, safety and rescue equipment. The collaboration began with REAX providing comprehensive accredited training, setting the stage for their integration into Altrad's operations on site.

PROJECT REQUIREMENTS AND CHALLENGES

The project presented several operational challenges on their workforce:

01 Access Limitations

Workers needed to reach the building's exterior multiple times per shift, typically three to four ascents and descents. Options were limited to climbing 23 flights of internal stairs whilst loaded with equipment or manually ascending 50 meters on ropes, both of which were physically taxing and time consuming.

02 Team Constraints

A small three-person team operated with limited opportunities for rotation, increasing the risk of fatigue and potential errors in a high-risk environment.

03 Safety and Efficiency Concerns

Manual access methods heightened the physical strain on operatives, potentially leading to reduced productivity, extended project timelines, and elevated injury risks.

04 Project Timeline

With a tight schedule through the summer into September, any delays could impact overall delivery and costs.

SOLUTION: ACTSAFE ACX POWERED ASCENDERS

REAX supplied the Actsafe ACX, a high-performance battery-powered ascender designed for rope access, rescue, and equipment lifting.

Key features that aligned with Altrad's requirements included:

1. Versatility

Suitable for ascending/descending ropes, equipment hoisting, providing active and remote rescue provisions.

2. Ease of Use

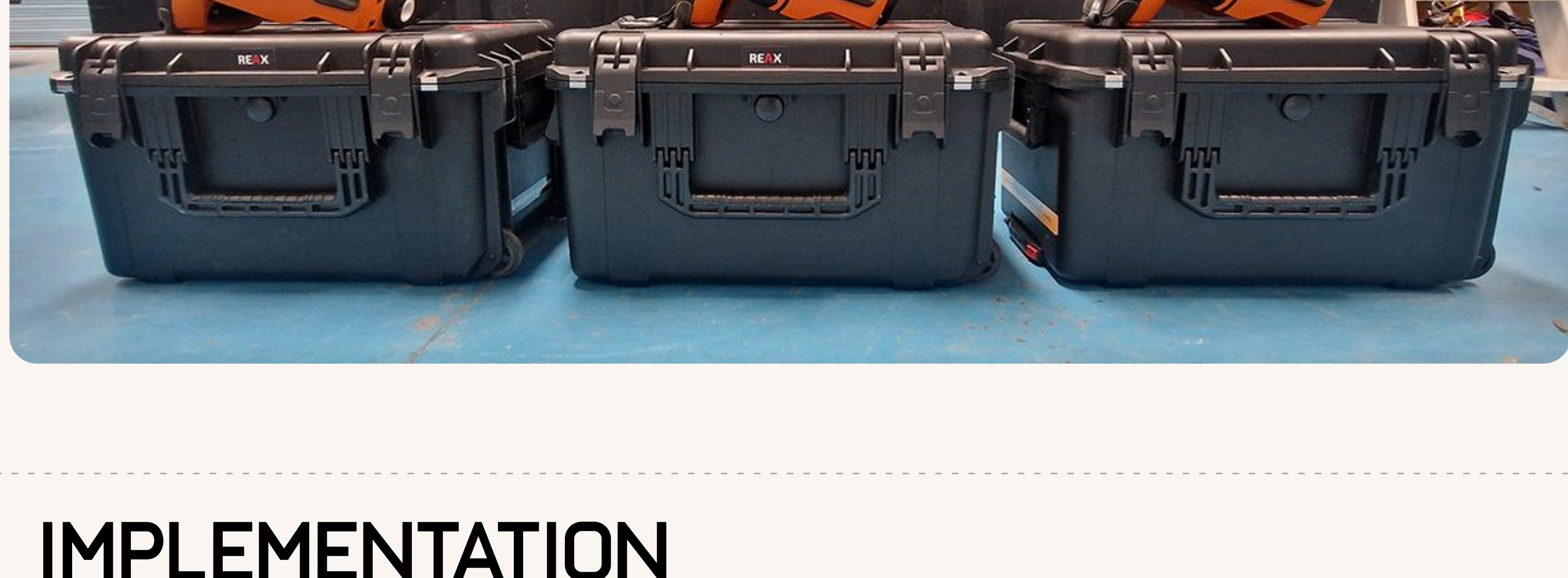
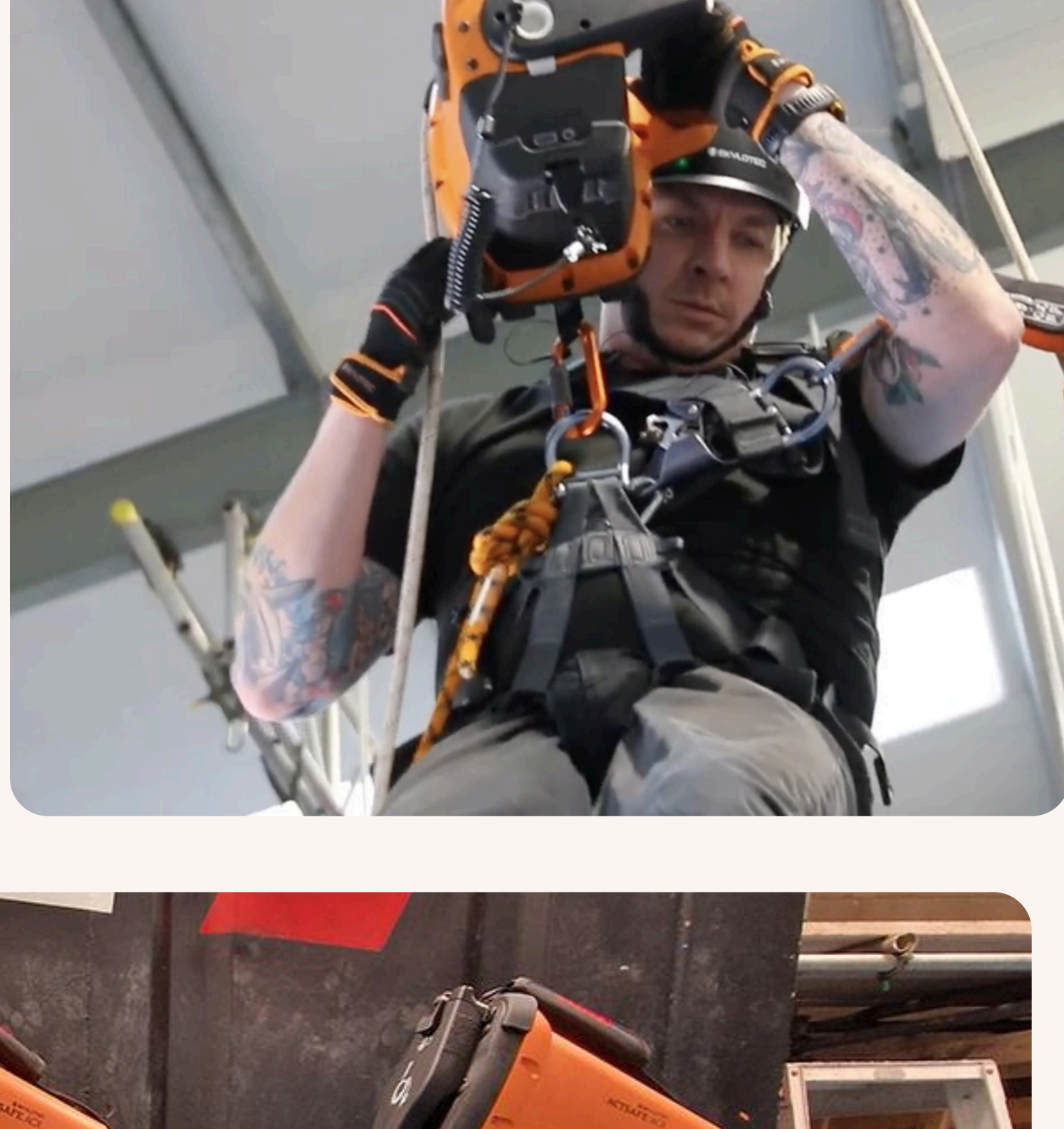
Intuitive operation post-training, with a wide array of applications including enhanced rescue provisions.

3. Remote Operation

Allows precise control from a distance whilst lifting equipment and reduces the risks associated with active rescue plans.

4. Battery-Powered Design

Each unit comes with two high-capacity batteries, offering extended performance of up to 550m working range with an average of 100kg load.



IMPLEMENTATION

Altrad deployed two Actsafe ACX units over an eight-week period from summer through to September 2025.

The implementation process included:

1. Training Phase

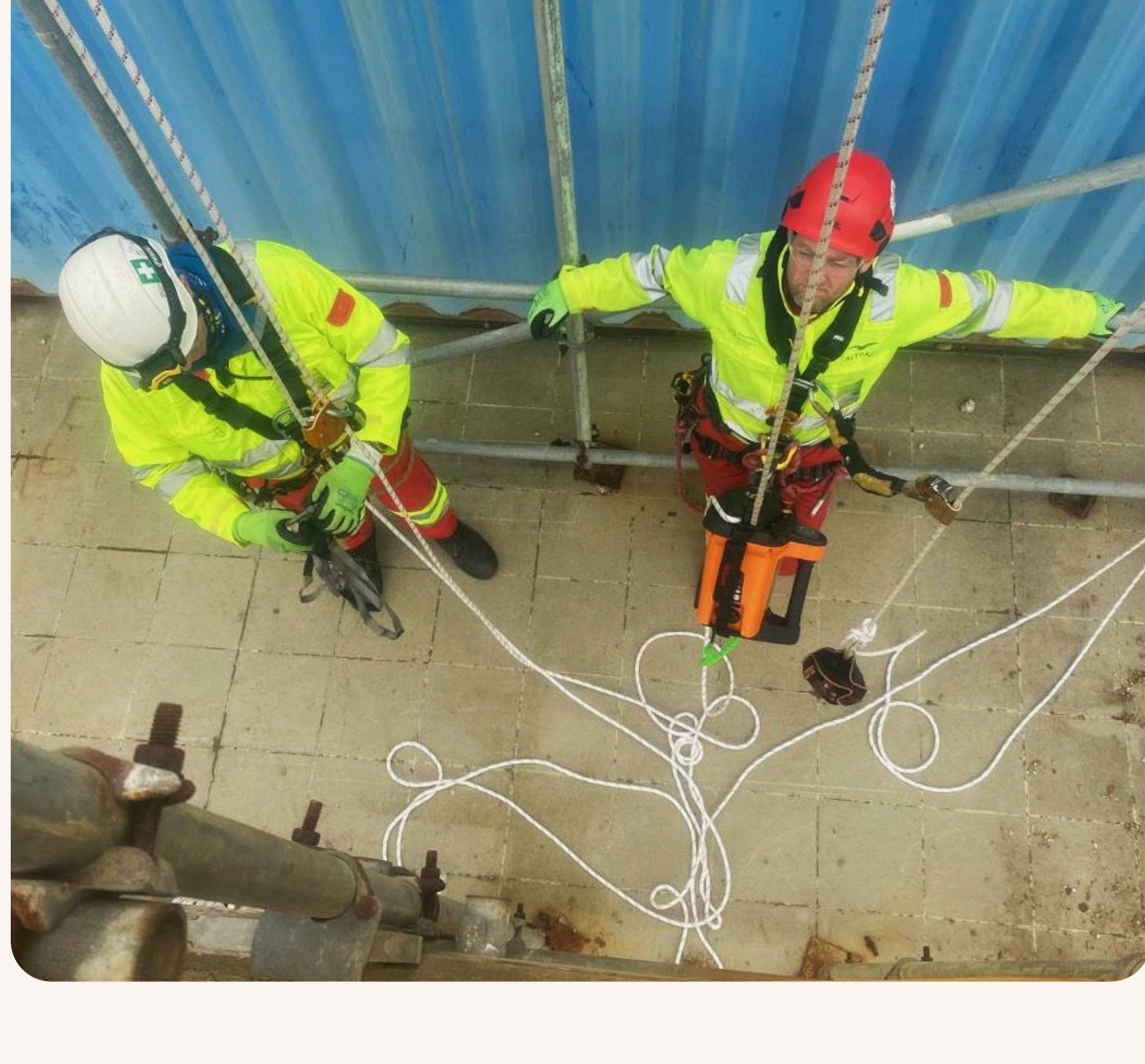
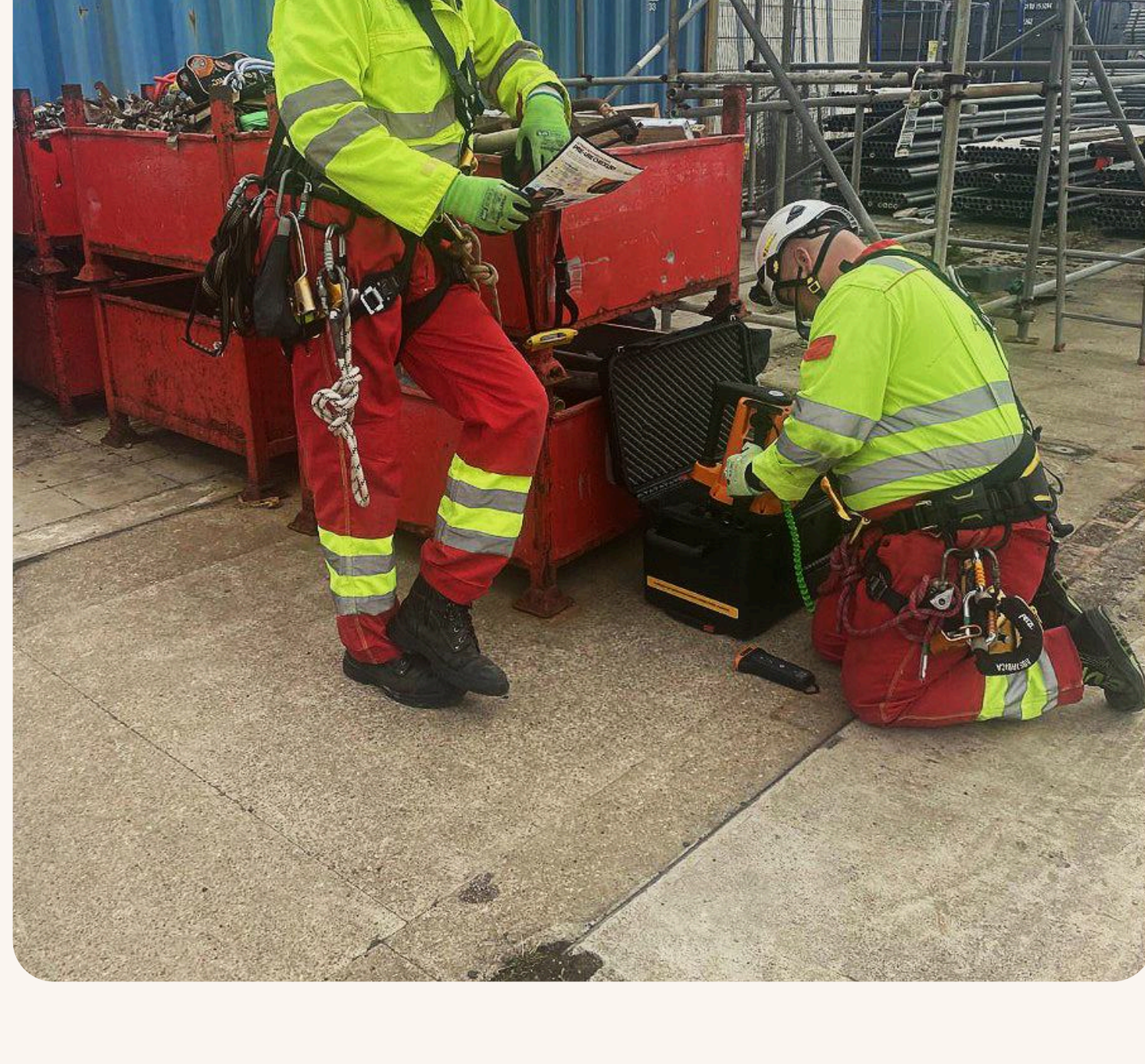
REAX provided an accredited 2-day personnel and equipment lifting course on-site to Altrad's team, demonstrating the ACX's full capabilities and ensuring safe, confident usage also advising on device maintenance.

2. Operational Integration

The devices were used for daily access to the 50-meter elevation. Workers performed approximately six to nine full ascents and descents per battery charge cycle, with recharges needed only every two to three days despite having backups available.

3. Monitoring and Adjustments

Throughout the project, the team monitored battery performance and device reliability, noting that it consistently exceeded expectations in a demanding environment.



RESULT AND BENEFITS

The introduction of the Actsafe ACX yielded measurable and qualitative improvements:

1. Time Savings

The project duration was reduced by an estimated two weeks, enabling ALTRAD to meet deadlines efficiently and potentially lower overall costs.

2. Rescue and Access Equipment

By eliminating manual ascents and stair climbing, the devices significantly minimised fatigue, enhancing worker safety and morale. This was crucial for the three-person team, preventing burnout and maintaining high performance levels.

3. Enhanced Safety

The ACX's rescue options, including remote operation, added layers of protection in high-risk scenarios. Battery power avoided fuel-related risks, aligning with site regulations.

4. Operational Efficiency

Battery life supported extended use without frequent interruptions, with one recharge every two to three days sufficing for multiple shifts.

5. Broader Adoption

ALTRAD recognised the ACX's value beyond this project, with the consideration of implementing across other larger projects.

CONCLUSION AND RECOMMENDATIONS

The successful deployment of ACTSAFE ACX powered ascenders on ALTRAD's 2025 cladding reinforcement project exemplifies how innovative equipment can transform challenging work environments. By addressing access inefficiencies and safety concerns, the ACX power ascenders not only accelerated project completion but also improved safety.

Take a look at the Site Managers Feedback:

"I would like to thank you for your support, and for the recent supply of the ACTSAFE ACX powered ascenders. This was the first time my team and I and ALTRAD as a company had the opportunity to use powered ascender devices of this type, and I can confidently say they were a game changer!"

We utilised two units for approximately eight weeks over the summer period through to September. The project involved accessing the exterior of a building elevation approximately 50 m high and 50 m wide to carry out cladding reinforcement works. Access was either via 23 flights of internal stairs or by manually ascending 50 m on rope three to four times per shift.

With a small three-person team and limited opportunity for rotation to reduce fatigue, the introduction of the ACX devices had a significant positive impact. They greatly improved our ability to complete the works safely and within the required timeframe. I believe the overall project duration was effectively reduced by around two weeks, while also substantially minimising the physical stress and fatigue the team would otherwise have experienced.

The training provided by REAX was thorough, informative, and highly practical, clearly demonstrating the versatility of the ACX. Once trained, the equipment proved straightforward to use and offered a wide range of rescue options. The remote operation feature is particularly impressive, significantly reducing the additional risks associated with accessing suspended casualties. The battery-powered design was also a major advantage, as environmental restrictions and fuel-related risk assessments on site would have been prohibitive. Battery performance exceeded expectations; although we had two batteries per unit, we typically only needed to recharge one every two to three days, allowing for approximately six to nine 50 m ascents and descents.

The ACTSAFE ACX is an excellent addition to the toolkit of any work-at-height specialist, whether for equipment lifting, rescue operations, confined spaces, or rope access work.

I very much look forward to working with REAX again in the future and would readily advocate the use of the ACTSAFE ACX to anyone operating in the field of working at height."

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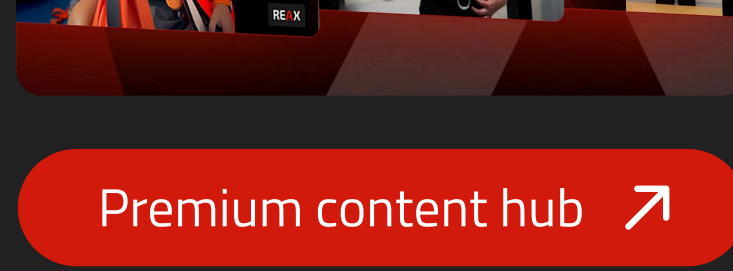
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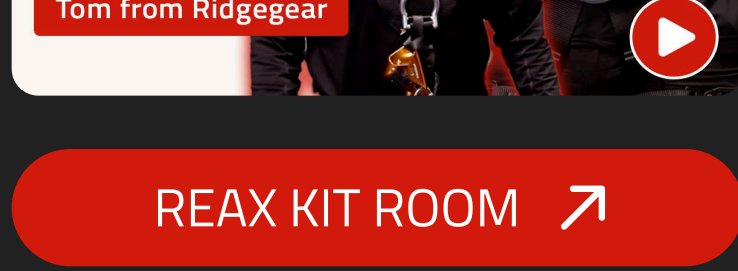
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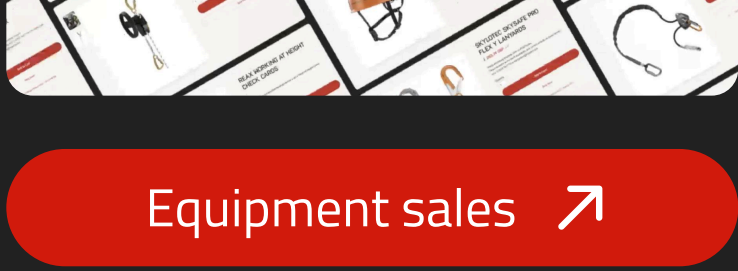
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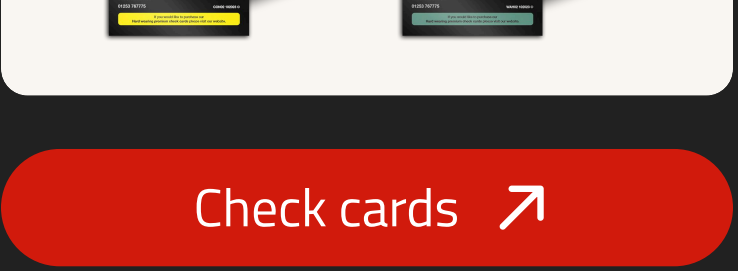
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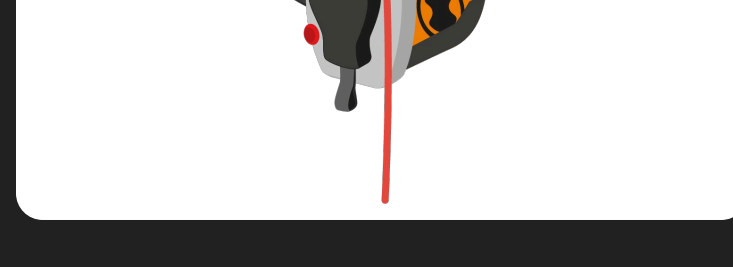
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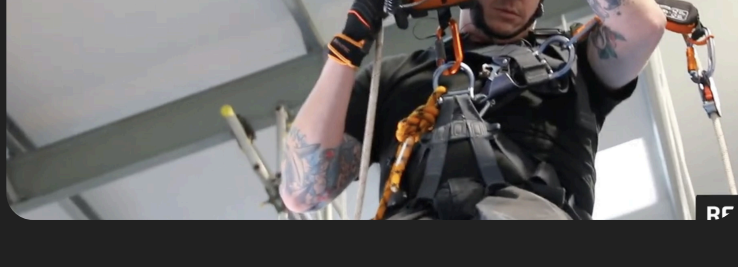
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