




# RopeClimber

## Safety at height for everyone

**FALLPROTEC**



Fallprotec /  fallprotec.sa / [www.fallprotec.com](http://www.fallprotec.com)

# / Product benefits



Ergonomic and comfortable for suspended workers

Economical with short training requirements

Efficient to clean or maintain vertical structures such as glass, concrete or green facade, windmill blades, among others





# / Product benefits

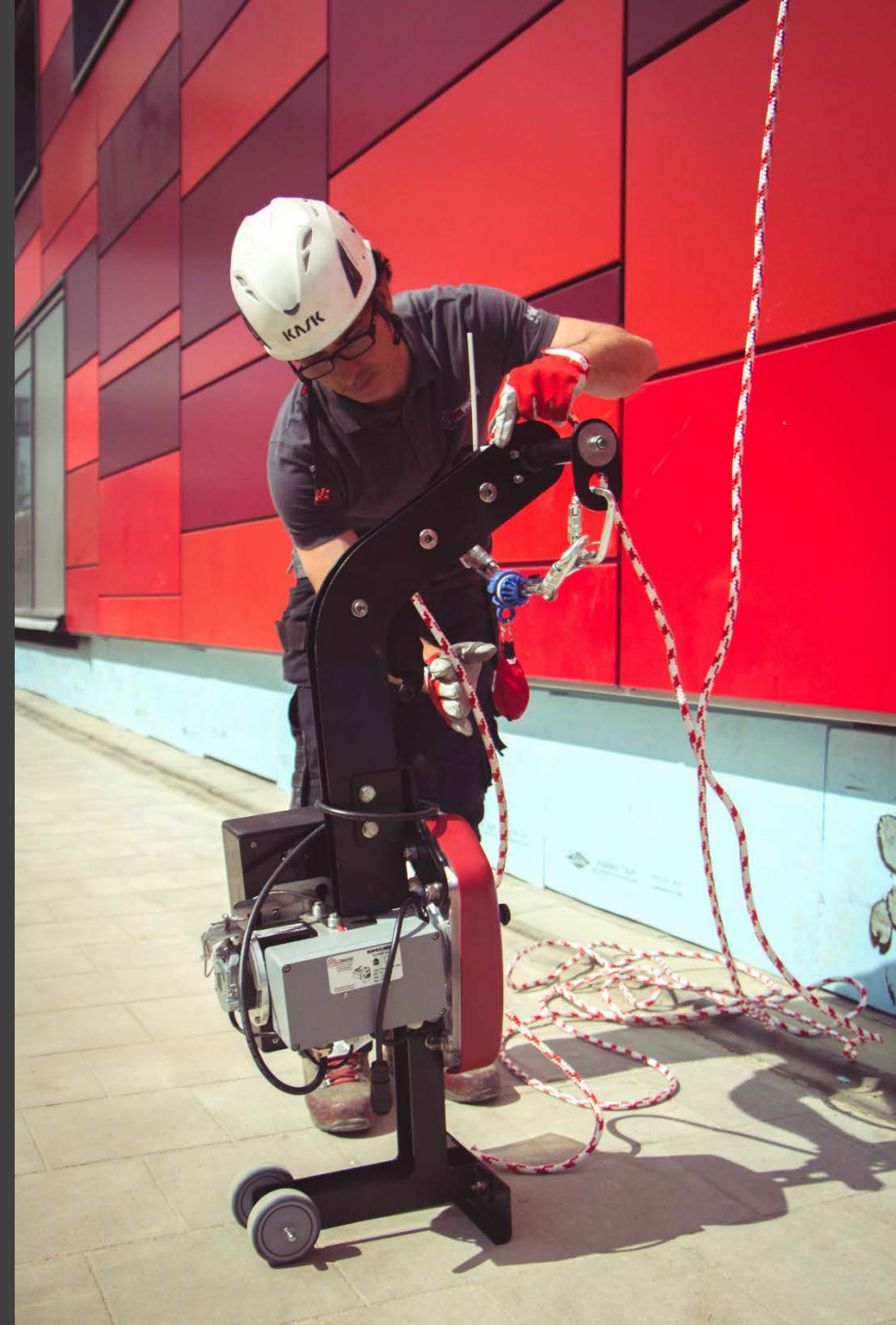


Avoid complex and cumbersome scaffold installations

Replace heavy cradles

Optimized time of installation

No need to have an extra person on the roof for guidance





## Main technical features



Max Working Load **240kg or 160kg**

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Nominal Lifting Speed **8m/min 12m/min**

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Battery capacity **Up to 1 hour of continuous lifting at  
max. working load or 540m**

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Weight **25 kg plus battery 3 kg**

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Battery charging time **3 hours**

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Battery power supply **48 V and 14 A/h**

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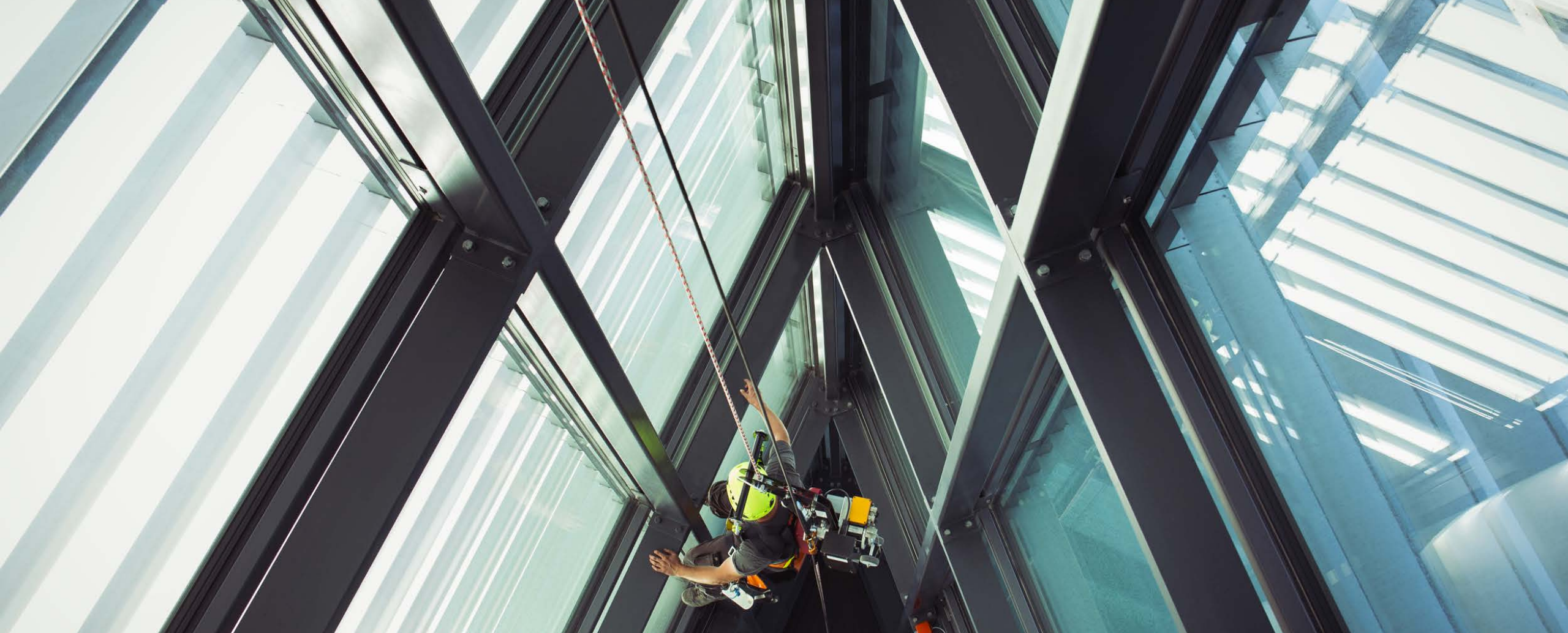
Battery reload Efficiency when lowering **50%**

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Lifting height **Unlimited**

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Certified according to  
EN1808:2010 / EN60204-1

Directive 2006 / 42 / EC as per  
Annex IV category 17

All accessories are  
according to EN1808:2015





# EASILY GO UP AND DOWN

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The brushless DC motor works as a motor when ascending and as a generator when descending

The seat helps you achieving a good posture effortlessly

Anyone with a short instructive course can use it

# / Main Applications



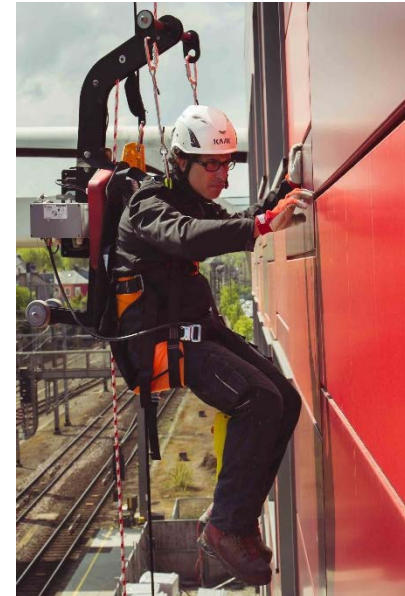
Window Cleaning



Completion Work



Windmill Maintenance



Building Maintenance  
Units

# / Main Configurations



BackPack



Bosun chair



Cradle





# / BackPack

- + Excellent “in air” stability
- + Increase overhead reach
- + Equipped with wheels for easy transport
- + Combinable with SafeAccess suspension rail or davit system



[https://youtu.be/R\\_i\\_5pVpNoo](https://youtu.be/R_i_5pVpNoo)

# / Bosun chair

- + High range of motion
- + Compact and easy to transport
- + Combinable with SafeAccess suspension rail or davit system



<https://youtu.be/7W7gy3wXiyE>





# / Cradle

- + RopeClimber installed on a lightweight and wheeled cradle
- + Available for one or two persons (rated load of 120 kg or 240 kg)
- + Combinable with SafeAccess suspension rail or davit system



# / Accessories



Radio Control to guide the RopeClimber from the deck or ground, for working or as a safety measure.

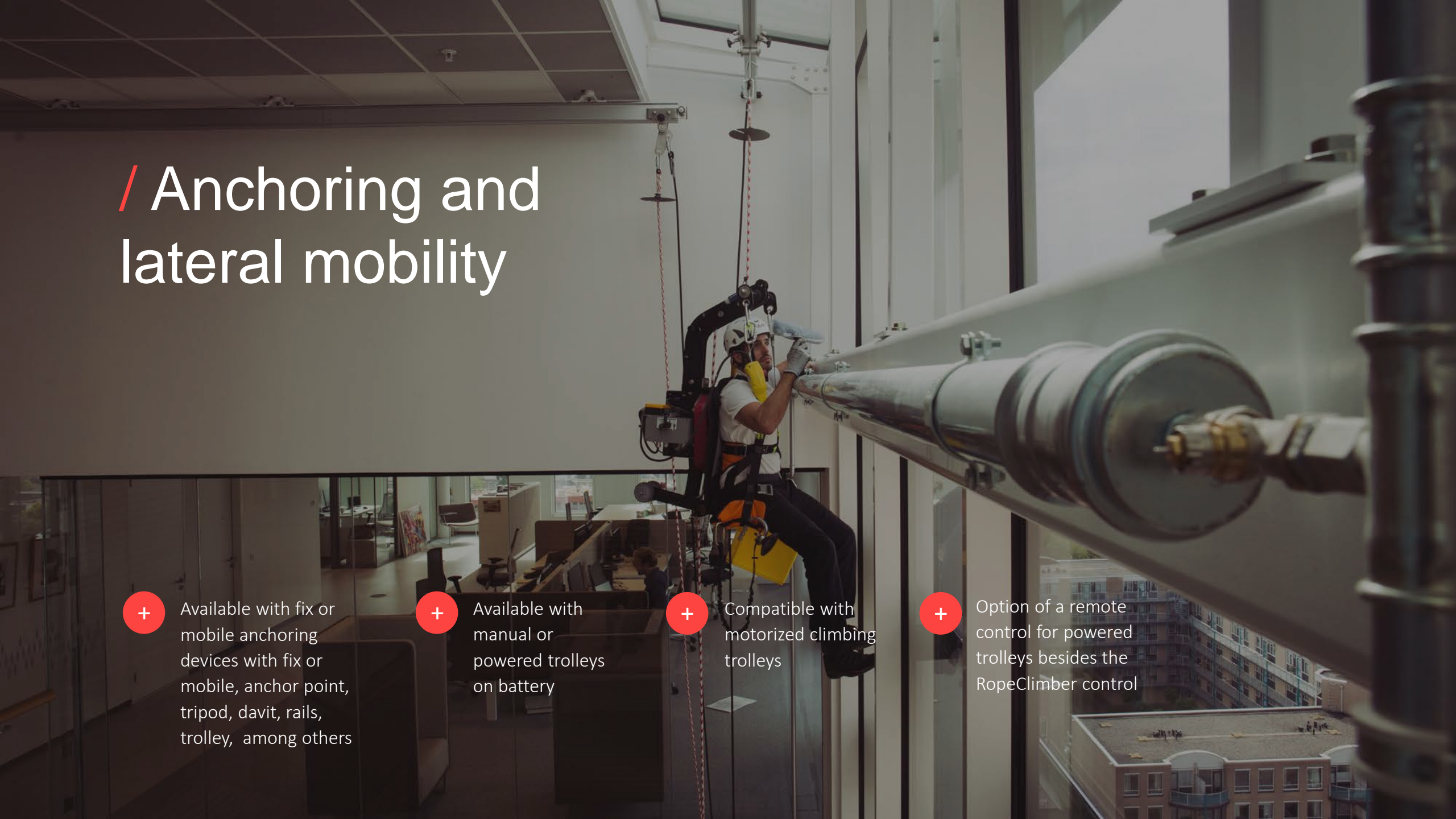
Complete range of suspension systems as per EN1808: davits, monorails, etc.

Harness developed especially for RopeClimber





# / Anchoring and lateral mobility



Available with fix or mobile anchoring devices with fix or mobile, anchor point, tripod, davit, rails, trolley, among others



Available with manual or powered trolleys on battery




Compatible with motorized climbing trolleys



Option of a remote control for powered trolleys besides the RopeClimber control

## Components and Optionals

- ✓ RopeClimber machine
- ✓ Lithium battery
- ✓ Main rope / line
- ✓ Secondary rope / line
- ✓ Weight for the secondary line
- ✓ Connectors
- ✓ Control panel
-  Remote Control (Optional)





# / An easily integrated tool in the architecture

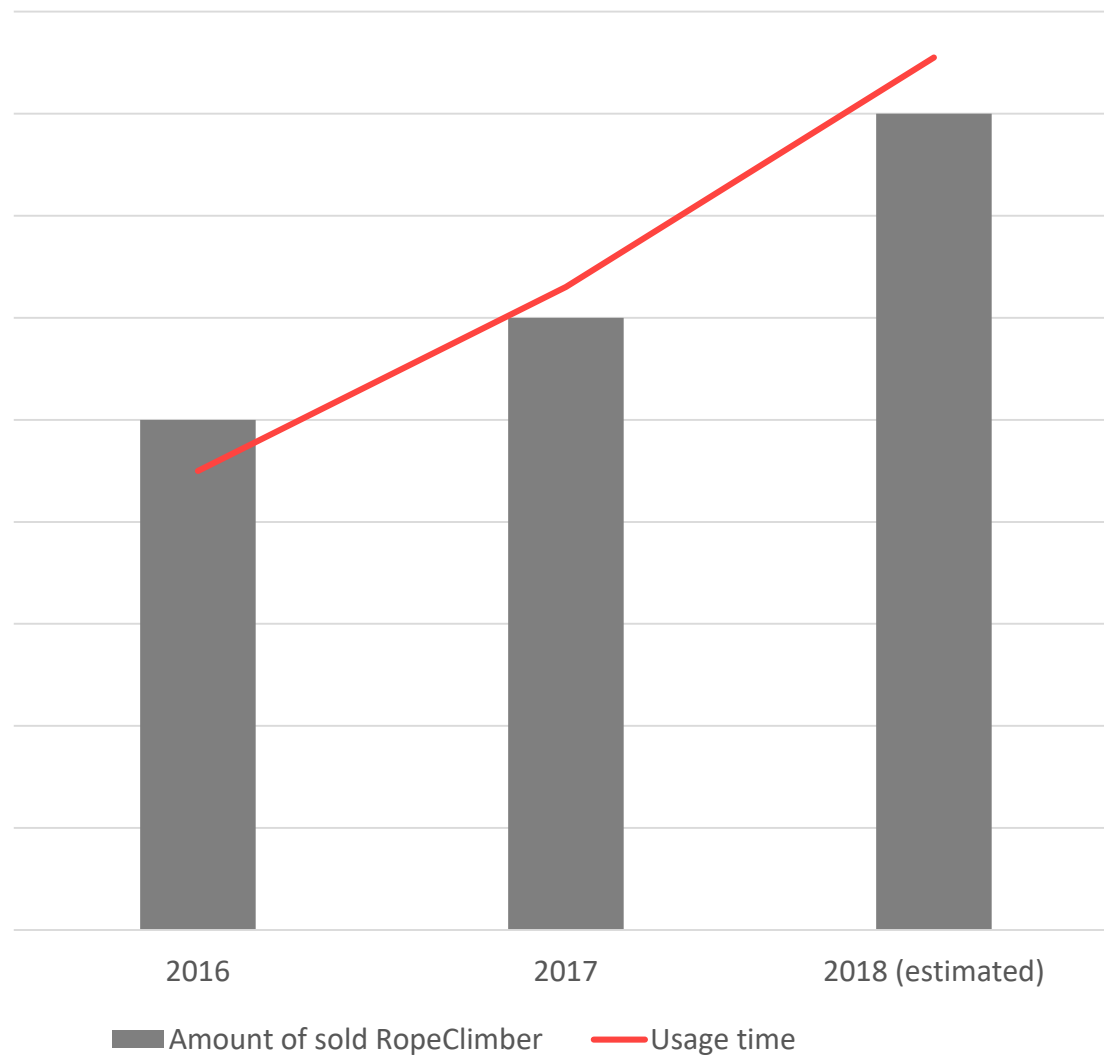
Usable with SafeAccess C rail inside the ceiling

Easy to mount and dismount

Small:  
reduced storage size



/ Market proven







Work in progress.....

Three options considered:

- + Rope access specialists with manual suspension davit.
- + RopeClimber with motorized on-rail davit.
- + Suspended cradle with façade maintenance machinery.

# / A cost-efficient solution for window cleaning

Case of the Naos Belval building



Most cost-efficient solution for 10 years use:  
RopeClimber option.

Façade maintenance machinery and suspended cradle  
cost: +10%

Manual suspension davit for rope access specialists  
cost : +21%



# / Lightweight solution for facility management

Case of Esch-Sur-Alzette Youth hostel (LU)

Need to create access for the façade's cleaning and maintenance.

The decorative aluminium panels being fragile, it was required not to lean on them. Combined with the RopeClimber, the system gives access to the entire façade without putting any weight on it.



Removable and mobile davits on  
SafeAcces rails and posts were mounted.



# / A discreet and efficient system

Almelo Town hall (NL)

1

A Fallprotec SafeAccess rail supports the RopeClimber backpack.

2

A separate beam was installed by Fallprotec to integrate the access to the architecture.

3

Original structure of the building.



# / A completely Battery-powered solution

Tianjin International Convention Center  
Hotel (CN)

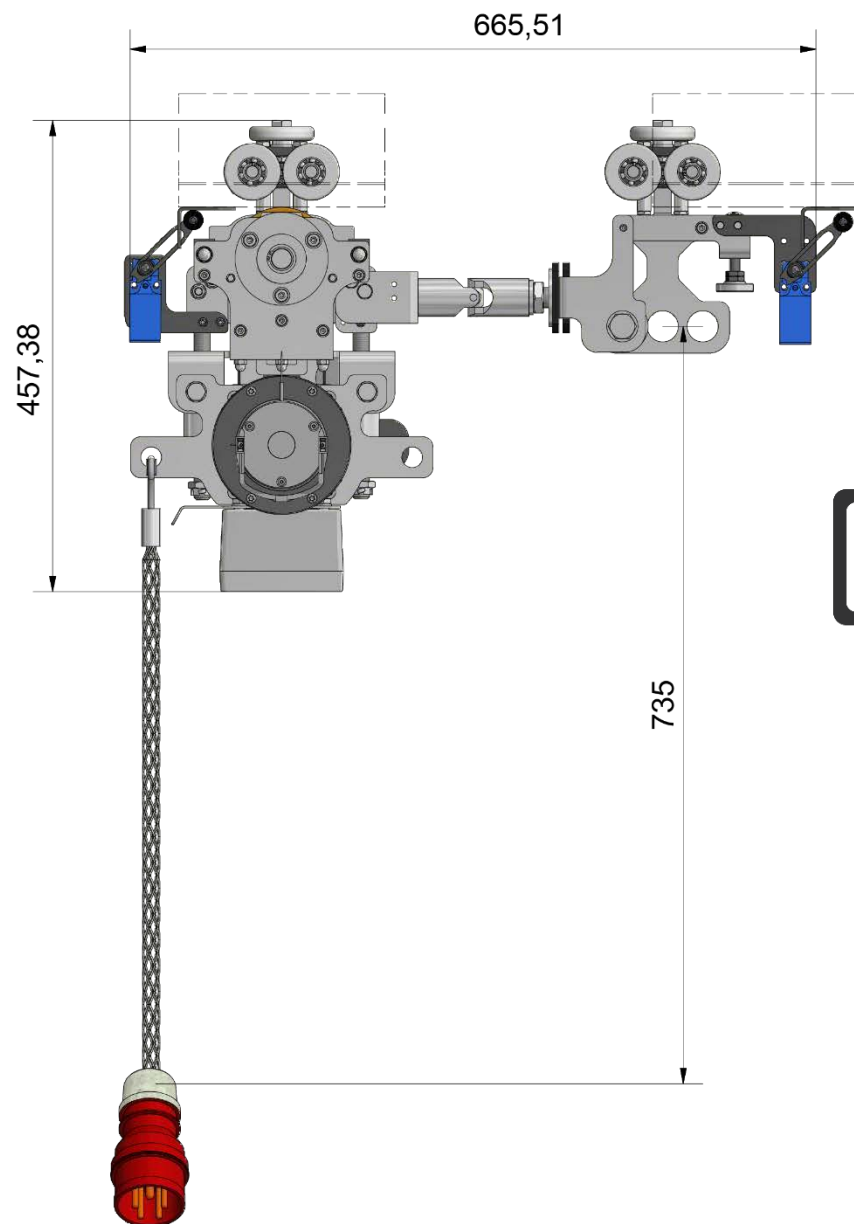
Need to access the glass windows of a  
tower for cleaning.

A façade restrain system gave access to  
the slanted parts.



A bespoke solution was built  
associating the RopeClimber  
cradle and SafeAccess rails all  
around the building.





## Tianjin International Convention Center Hotel (CN)

Project procedure:

- + Step 1: Design following the client's needs.
- + Step 2: Approval of the drawings by the customer and rigging.
- + Step 2: Test and certification.





# / An engineering challenge under high seismic activity

Case of Antofagasta Hospital (CL)

Need to access various courtyards and to maintain 2 buildings facades.

A custom made solution was created with the RopeClimber and BMUs ensuring an easy and safe access to all parts.



The systems have been controlled and approved by SIRVE Institute for Seismic Protection Technologies.



# / RopeClimber around the world



ANOTHER INNOVATIVE  
SOLUTION CREATED BY



**FALLPROTEC**



Height Safety Products

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