

Harnessing the wind ...

Rigging, Access, and Height Safety Equipment
for Wind Power Plants

The advertisement features a large, semi-transparent image of a wind turbine in the background. Overlaid on this are several pieces of equipment and their labels:

- Height Safety Equipment:** Located on the left, this label points to a full-body safety harness and a blue and black pulley system with a rope and carabiner.
- Service-Lifts and Suspended Platforms:** Located in the upper right, this label points to a circular inset image showing a worker on a suspended platform high up on a wind turbine tower.
- Hoists and Fall Arrest Devices:** Located in the lower right, this label points to a grey hoist mechanism and a fall arrest device with a red emergency stop button.

In the bottom left corner of the equipment area, there is a CE mark in a rounded square.

ALPS

ACCESS - LIFTING - PULLING & SAFETY
www.alps-uk.com

The higher, the better!

More and more wind-parks are growing into the heavens. The higher the rotors of these modern "wind-mills" are spinning, the better is the chance that they reach into a steady flow of air – which is, after all, essential for their profitability.

Of course, the height of the masts imposes very special requirements upon manufacturers and the operating companies.

For inspection, maintenance or repair purposes there have to be service-lifts and suspended scaffolding for the personnel because just climbing the towers is neither acceptable nor would it be economic.

Solutions for problems of this kind, like lifting materials as well as people to such heights, are matters of our daily business.

Wire rope hoists ...



If you take the good old TIRFOR®, the TIRAK® or the MINIFOR®, which all drive the wire rope without storing it inside:

pulling length or lifting height are unlimited in principle!

It's the wire rope length which counts, when carrying loads of up to three tonnes safely to their destination.

That's why those hoists are ideal for "on-site" applications, since they are **much lighter and less expensive** than a drum winch or even a crane with a comparable capacity and range.

MINIFOR®
Portable electric hoists
for 100 kg up to 500 kg



TIRAK®
electric hoists
for 300 kg up to 3000 kg



Tensioning of guide ropes
of a rotor inspection platform
with TIRFOR® hoists

... with unlimited lifting height!

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Access Lifting Pulling & Safety Ltd: Stubley Hollow, Sheffield, S18 1PA UK.
t' 01246 413111

TIRAK® & BLOCSTOP® ...

Endless Hoists Fall Arrest Devices



CE-marked, approved according to EN 1808 for "Suspended Access Equipment", the TIRAK® hoists for man-riding applications offer capacities from 300 kg to 2000 kg. With speeds of up to 18 m/min, you comfortably reach the top in no time, and due to the wire rope running through, height does not matter at all.



On a secondary wire rope, the BLOCSTOP® fall arrest device is a guarantee for absolute safety.

... the invincible team
for man-riding installations!



Service-Lifts inside the masts

For giving access inside the masts, in close co-operation with the system manufacturers, we develop service-lifts "made to measure", all of them profiting from the wire rope driving principle of the TIRAK® man-riding hoists.

They just run up and down the wire rope which is anchored to the top of the tower. The hoist is quite silent and lightweight and only requires a minimum of space. No unnecessary wire rope weight reduces the capacity of the lift which, in general, is constructed for two persons with their tools.

Service-Lift,
developed in co-operation
with ENERCON GmbH



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Suspended Scaffolding for outside access



Inspection Cradles
during erection of the wind-mill,
suspended by a crane



Inspection Cradle
suspended from the gondola

For outside access to the wind-mills,
in particular for inspection and
maintenance of the rotor blades,
suspended baskets or scaffolding
instead of other access devices
are pushing home their advantages.

- Constant low costs for erection and dismantling due to minimum installation time for whatever running height.
- Independence from cranes or hoists for material transport.
- Time saving by always offering the optimum working position. If you are not forced to bend or stretch, doing any job is much easier and work progresses more rapidly.
- And last, but not least, there is no need for anchoring to the tower shaft.



Circular Scaffolding
for painting and maintaining
the tower shaft

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