

A large, white, three-bladed offshore wind turbine stands on a yellow jacket structure in the middle of the ocean. The sky is a deep blue with scattered white clouds. The turbine's tower is the central focus, with the nacelle and blades extending upwards. The yellow jacket structure is visible at the base of the tower, with some railings and equipment on top. The ocean is a dark blue-grey color, and the horizon is visible in the distance.

OFFSHORE WIND ENERGY FALL PROTECTION SOLUTIONS

WIND ENERGY FALL PROTECTION SOLUTIONS

Introducing KStrong's Wind Energy Fall Protection Solutions

In the wind energy industry, safety is paramount. Wind turbine technicians are exposed to numerous fall hazards, with risks heightened by extreme heights and challenging weather conditions. Fall protection solutions for offshore wind turbines must account for the complexity of turbine structures, the effects of the marine environment, wet and salty conditions creating slippery surfaces, changing of the weather such as sudden storms causing strong winds, large waves and the access and egress of the towers, which can make installation and maintenance difficult. When considering tasks that involve working at heights in wind energy, the image of towering turbines often comes to mind. However, falls can occur in various situations, such as while climbing ladders, working on nacelles, or during blade inspections.

That's why KStrong has developed a wind energy Fall Protection solution tailored to address the unique challenges encountered in this sector. Our approach starts with a deep understanding of common hazards and extends to offering practical solutions in work methods, equipment supply, and training. Here's how we ensure safety at every step:

Benefits of our Approach

- Minimized equipment requirements, reducing costs and complexity.
- Reduced commitment for inspection and maintenance, ensuring efficient operations.
- Simplified staff training through standardized solutions, enhancing safety awareness.
- Improved technician safety with easy-to-implement fall protection controls.
- Easy transferability between different wind turbines and sites, facilitating seamless operations.

Why Choose Us

- Our solutions prioritize safety without compromising efficiency. We understand the unique challenges of the wind energy sector and tailor our solutions accordingly.
- With our expertise, you can protect your technicians and your business, ensuring peace of mind during turbine operations.
- Ensure safety in wind energy with our tailored Fall Protection solutions.

Compliance with Safety Standards

Safety standards for working on wind turbines are designed to prevent accidents, reduce risks to worker health, and ensure a secure working environment. These standards are typically established by national or international regulatory bodies, drawing on extensive research and best practices from the industry. Below are some key elements of safety standards for fall protection in the wind energy sector:

- Regulations mandate that all equipment used must be certified according to the latest safety guidelines. This includes items like safety harnesses, lifelines, energy absorbers, and connectors, all of which must be inspected, maintained, and replaced as necessary. Safety harnesses must adhere to specific standards: EN 361 (fall arrest harnesses), EN 358 (support and restraint belts and lanyards for work positioning and fall prevention), EN 813 (sit harnesses for suspension work), and EN 1497 (rescue harnesses with rescue buckles).
- Additionally, several other standards must be considered, including those governing connection systems, energy absorbers, and anchorage devices (EN 353-1, 353-2, 354, 355, 360, 362, 795).



OUR PRODUCT SOLUTIONS

BRUTE SEALED RETRACTABLE FALL ARREST BLOCKS 140KG



EN 360:2002 & IP69K AS PER ISO-20653
VIBRATION TEST IEC 60068-2-6:2007
ATEX CERTIFIED

SCAN TO VIEW
PRODUCT



**BRUTE SEALED RETRACTABLE FALL ARRESTER
(10M) WITH ANSI STAINLESS STEEL SWIVEL SNAP
HOOK & STAINLESS STEEL WIRE
(AFS570010)**



**BRUTE SEALED RETRACTABLE FALL ARRESTER
(20M) WITH ANSI STAINLESS STEEL SWIVEL
SNAP HOOK & STAINLESS STEEL WIRE
(AFS570020)**



**BRUTE SEALED RETRACTABLE FALL ARRESTER
(30M) WITH ANSI STAINLESS STEEL SWIVEL SNAP
HOOK & STAINLESS STEEL WIRE
(AFS570030)**



EPIC WIND

FULL BODY HARNESS

FEATURES:

- ✓ Rear Plate for Added Protection
- ✓ Fall Arrest Front D-Ring for Ladder Climbing
- ✓ Side D-Rings for Work Positioning Lanyards
- ✓ AirLite Padding for Extended Comfort
- ✓ Aluminum Quick Release Buckles & Fittings
- ✓ Confined Space Loops

SCAN TO VIEW
PRODUCT



AFH300403



EVAC-R RESCUE KIT

**PACKAGED SOLUTION FOR RESCUE OR RETRIEVAL
INCLUDES EVERYTHING NEEDED FOR A QUICK RESCUE**

FEATURES:

- ✓ Controlled Descent for Raising or Lowering an Injured Person
- ✓ Pre-Assembled Rescue Kit
- ✓ Rated for 3-Man (EN) & 2-Man (ANSI)
- ✓ Maximum Lifting/Descent Height: 500M
- ✓ Hand-Wheel for Lifting/Power Drill Attachment
- ✓ Kits can be Supplied between 40M to 300M

SCAN TO VIEW
PRODUCT



AFX209070



ADDITIONAL PRODUCT SOLUTIONS



EPIC RESCUE HARNESS
 C/W ALUMINIUM FRONT & REAR
 D-RINGS, WORK POSITIONING
 WAIST BELT WITH SIDE D-RINGS,
 EQUIPMENT TOOL LOOP
 (AFH300404)



**EPIC ELASTICATED SHOCK
 ABSORBING LANYARD TWIN LEG**
 140KG 1.8M
 C/W ALUMINIUM SNAP HOOK &
 ALUMINIUM SCAFFOLD HOOKS AT
 OTHER END
 (AFL408381(1.8M))



**EPIC SHOCK ABSORBING LANYARD
 TWIN LEG 140KG 30MM WEBBING**
 1.8M
 C/W ALUMINIUM SNAP HOOK &
 ALUMINIUM SCAFFOLD HOOKS AT
 OTHER END
 (AFL406650(1.8M))



TWIN MICRON SRL 2 METER
 C/W ALUMINIUM SWIVEL SCAFFOLD
 HOOK
 (AFS550102D)



**EPIC WORK POSITIONING
 LANYARD 12MM KERNMANTLE
 ROPE 2.0M**
 C/W ALUMINIUM BLOCKER
 ADJUSTER, PROTECTIVE SLEEVE
 & ALUMINIUM HOOK
 (AFL405301(PR))



**SINGLE STAINLESS STEEL ANCHOR
 POINT**
 (AFA930001SS)



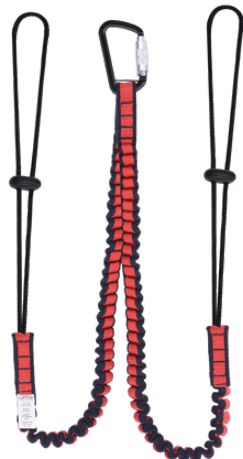
ANCHOR STRAP 23KN
 (AFA921515(1.5M))



WRISTBAND TOOL HOLDER
 SWL 0.9KG
 (DA300401)



ELASTICATED TOOL LANYARD
 RELAXED 83CM - EXPANDED 1.16M
 SWL 10KG
 (DL100021)



LASTICATED TOOL LANYARD
 RELAXED 88CM - EXPANDED 1.32M
 SWL 10KG
 (DL100022)



TOOL BUCKET 55KG
 (45CM HIGH X 35CM WIDE)
 (DB00052)



**2M LADDER EXTENSION MOUNTING
 BRACKET FOR SEALED SRL'S**
 (AFS57000LB)



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USA

South America

Asia
