

## Wind Energy Industry Applications

# WIND TURBINE CONSTRUCTION

### Fall protection challenges

- When constructing wind turbines there are several danger areas where the worker is left open to fall risk.
- Tower Erection involves the use of the ladder system installed in the individual sections of the tower, some of which have a vertical fall arrest system in place which can be utilized, some which do not.
- Nacelle work involves the installation of electrical control units, all of which will require cabling to be installed through the length of the tower. Whether working from the ladder or from a service lift, a minimum of a full body harness and lanyard will be required.
- Workers will be required to work all day in fall arrest equipment. Harnesses used will need to be comfortable, lightweight, and have multiple anchor points. In addition, the equipment should incorporate tool carrying accessories and be very durable and built-to-last.
- For added comfort and safety in these difficult to access areas, accessories such as the Hydration System and Trauma Relief Straps should be used.
- While working in the upper reaches of the tower, rescue can be almost impossible from the ground by conventional methods. Self rescue, personal evacuation and easy to use casualty evacuation equipment is a necessity for personnel working on wind turbines.



## A Anchorage

Temporary

### Tie-Off Adaptor

Pass thru design provides a safe and easy way to anchor a fall protection device to an overhead location. 1-3/4" (44mm) polyester strap, 3" (76mm) wear guard, zinc plated steel hardware.  
**See Pg 18 for your region's compliant products**



## B Body Support

Standard

### Delta™II Climbing Harness

Vest style Delta No-Tangle™ design with back "stand-up" D-ring. Front D-ring ideal for ladder climbing and tongue buckle leg straps for fast and easy donning.  
**See Pg 9 for your region's compliant products**



## C Connectors

Fixed Length

### ShockWave2™ Shock Absorbing Lanyard

Twin-leg 100% tie-off style helps you remain connected at all times. Expands to 6 ft. (1.8m) and contracts to 4-1/2 ft. (1.4m) in reaction to your movements reducing dragging and snagging.  
**See Pg 11 for your region's compliant products**

