

AVANTI FALL PROTECTION SYSTEM



In most countries it is required by law that the ladders in wind turbines are equipped with a fall protection system preventing the service technicians from falling down.

Avanti Wind System has developed a safe and easy Fall Protection System with a safety rail installed as part of the ladder. Avanti Fall Protection can be used by several technicians at the same time contrary to most other systems based on wires. Throughout the length of the ladder a technician can connect himself to Avanti's system for every 6 meters.

The technician carries a special click-on runner in his safety harness. The click-on runner is fastened to his harness with a snap hook like the ones used by mountain climbers.

When entering the ladder – anywhere in the tower - the technician clicks the runner onto the safety rail in the center of the ladder.



The fall protection system prevents the user from falling down in case he feels indisposed or by accident does not get a proper foothold.



The click-on runner follows the user up and down the ladder and can be clicked on and off no matter where you are on the ladder.

The click-on runner follows the user up and down. If he loses his foothold, the runner will immediately lock, and he will be hanging in the safety system until he gets a foothold again or until his colleagues can help him.

Avanti Fall Protection System must be inspected and tested at least once a year by Avanti personnel or by a company authorized by Avanti Wind Systems.

Avanti Fall Protection System is CE marked (Europe) and has been tested according to the OSHA regulations (USA). The Avanti Ladder, that the safety system is connected to, is made of aluminum and complies with the European Standards EN 131-2, EN-ISO 14122, DIN 18779-1, BS4211:2005, BS5395-3:1985. Australia AS1657, USA ANSI/ASSE Z359.1-2007 and CAN/CSA Z259.2.1-98.



Avanti has developed a click-on runner for the fall protection system, which is carried in a strap by the service technician. It is fastened with a snap hook of the same type as the ones used by mountain climbers.

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