

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

Safe work in wind turbines always has top priority at Avanti Wind System. Therefore, Avanti has developed a safe Fall Protection System installed as part of the ladder.

How does it work?

The Avanti Fall Protection System is based on a special click-on runner that the technician carries in a strap on his harness. It is fastened in the harness with a snap hook of the same type as mountain climbers use. The runner can be clicked on to a safety rail - in the centre of the ladder - and follows the user up and down.

If the technician fails to get a proper foothold - or he feels unwell – the runner will immediately lock and prevent him from falling down. He will be hanging in the strap and runner in the safety rail until he can again use the ladder or until assistance is sent to help him.

The runner can be clicked on and off the safety rail anywhere in the tower, allowing multiple users to use at the same time. Technicians do not have to wait until their colleague has climbed all the way up or down. For the whole length of the ladder a technician can connect himself to the Avanti Fall Protection System every 6 metres. Other systems based on wires only allow one user at a time. The Avanti Fall Protection System must be inspected and tested every 12 months by Avanti personnel or by a company authorised by Avanti Wind Systems. The system is CE-marked (Europe) and has been tested according to the relevant North American Standards.



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

Did you know your Avanti runners must be certified each year?

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

By keeping your Avanti runner in the right condition, you will increase your safety and the life time on your runners. Get in touch with your local Avanti contact to learn more about our inspection and certification options.

