

STANDFAST
The Safety Corporation



Wind Turbine Access



TRAM

FALL PROTECTION

SYSTEMS

Introduction to TRAM

Access to the Nacelle top of Wind Turbines is one of the most hazardous jobs in the world.

With turbines installed in the highest wind areas in any country the workers are subjected to being unbalanced and possibly blown off the nacelle at any point.



With the towers also being flexible there is more movement at the top of the tower than you would expect, meaning the floor is continually shifting.



Installation of the **TRAM** system not only provides a safe means of anchorage using restraint, but also provides access assistance to the nacelle top, and a mobile structure to give the worker stability.

The unique system is installed directly to the nacelle structure, with each installation designed specifically for a particular nacelle and access requirements.

Tested to EN795 as a Fall Arrest Anchorage Rail the TRAM system is the ideal solution for fall protection in the wind industry.

The track also provides a perfect anchor for evacuation and rescue.



TOTAL RESTRAINT ACCESS MODULE (TRAM)

An innovative personal fall protection system

An ideal system of mobility and restraint is achieved through the movement of the **TRAM**, which provides a handhold that moves with the operator and is also a moveable anchor point for the restraint harness.

The design incorporated industry input that included management, operational staff and significant input/ feedback from drivers.

Tested in accordance with EN795

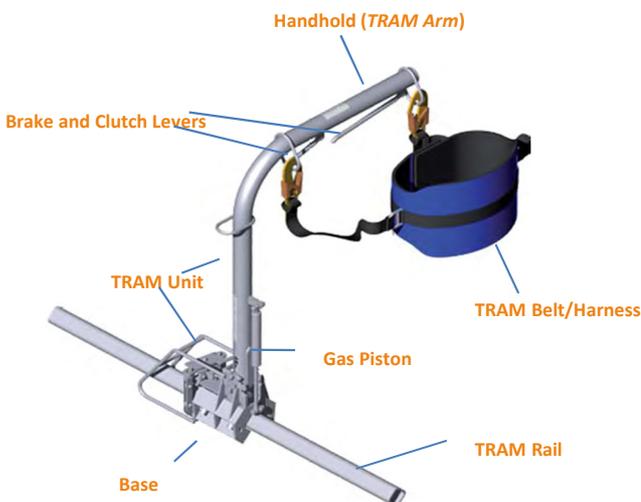


TRAM technology utilizes a handhold that moves with the operator (vertically and horizontally) and acts as a moveable anchor point for the restraint harness.

The operator is secured to the moveable anchor point via 2 lanyards and a restraint harness. The system is classified as a fall restraint system.

The system provides the user with mobility, restraint & protects operator during dangerous transition from the ladder to catwalk.

The user is securely attached to the unit at all times



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