



THE PROBLEM

A fall protection system is often required for container domes being used as a field workshops to provide height safety for personnel working on large equipment such as mining trucks.

Lightweight temporary structures such as container domes are commonly used as field workshops in mining and construction. These lighter structures are typically unable to support the design loads of horizontal lifelines and similar systems.

The ideal fall protection system to meet the specific needs of this application would:

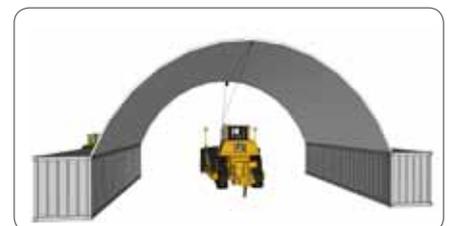
1. Be suitable for installation and use within a lightweight structure
2. Allow the mechanics to access anywhere on the vehicle while ensuring they remain protected from the dangers of a fall, including pendulum swing
3. Provide a shorter than standard fall arrest distance due to a very small fall clearance to some obstructions.

THE SOLUTION

The T-Line Safety System meets the set criteria to provide the ideal solution.

A revolutionary safety line system, T-Line consists of a single unit housing with two lifelines on separate spools that work independently of each other. Like an inertia reel, the lifelines are self-retracting and self-locking. In a fall situation the two cables equalise to arrest the fall. The T-Line solution can solve challenging issues:

- A 24 m (80') T-Line can span the full length of the workshop with only a single fixing at each end thus making installation quick and simple.



- The forces produced by the T-Line are much lower than that of a horizontal lifeline and engineering checks have shown that a dome structure is capable of supporting the required design loads.
- The T-Line provides access anywhere on top of the vehicle providing the capability for mechanics to move in



different directions up, down and sideways while continuously connected to the system.

- The system meets the short fall arrest criteria with a fall arrest distance of 300 mm (1') with the added benefit of minimising pendulum swing.



ADDITIONAL BENEFITS



- Multiple T-Line Systems can be installed side-by-side to allow multiple users freedom to access the full length of the work area without having to detach or swap lines to pass each other
- The total installed cost of several T-Line systems costs less than a traditional system yet provides greater levels of freedom and safety for the user