



THE PROBLEM

A manufacturer of vehicle components had to provide safe work access to personnel and contractors when accessing conveyors for servicing and maintenance.

The manufacturer's assembly line featured multiple conveyor systems that could not be fitted with hand rails and walkway systems to provide safe access.

Due to the structure's complexity and the presence of service pipes and obstructions, horizontal lifelines and other traditional fall protection systems were found to be unsuitable. As well, anchor points at each end of the conveyors were at different heights. Engineered systems were considered and despite the high cost, no ideal solution was found.

The manufacturer required a fall protection system that was compatible with:

1. Multiple conveyor systems
2. A complex building structure and differing roof lines and heights
3. Overhead obstructions
4. A cluttered environment with minimal fall clearance
5. Would not impede regular daily work flow and procedures.

THE SOLUTION

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. T-Line Safety System was an excellent solution to the manufacturer at a fraction of their anticipated cost.

- 12 m (40') T-Line systems were installed to provide access to each conveyor.
- So the systems did not impede daily work flow when not in use, the T-Line retracted up out of the way when not required to be retrieved by personnel using a tag line stowed at convenient locations
- Service personnel were able to access anywhere along the conveyors and related infrastructure due to the horizontal and vertical movement that T-Line allows, with no possibility of a pendulum swing in event of a fall
- T-Line's short fall arrest distance ensured there was adequate fall clearance to nearby equipment
- T-Line's lifelines were directed around services and



T-Line mounted above a conveyor, with each end at different heights

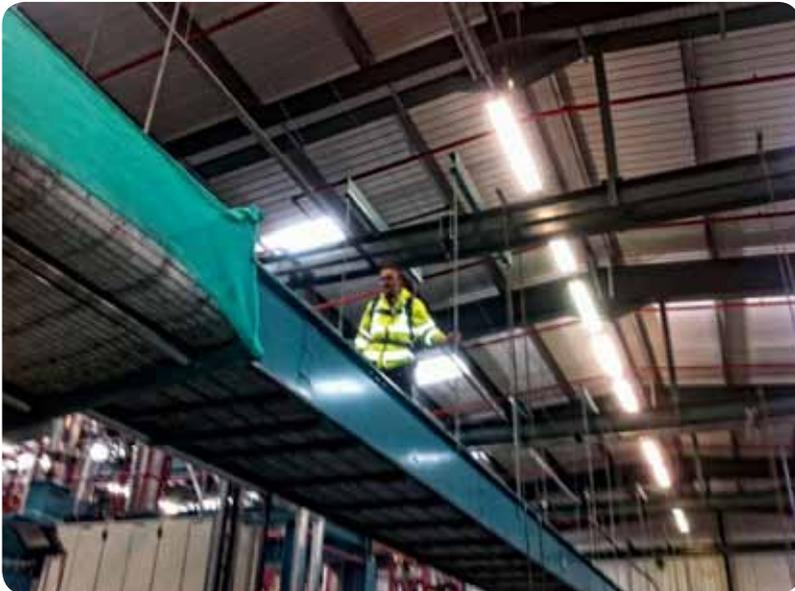


obstructions without compromising the freedom and safety of the user

- The total installed cost of T-Line systems throughout the required area was a fraction of the quoted cost of an engineered system.



Each system was easily installed utilising the T-Line's brackets. No intermediate supports were required and the system was ready for use within a few hours.



Once the T-Line systems were in place, service technicians were able to freely access any location on the conveyors



The T-Line provides the ability to bypass obstructions. Installation of the system was simple and straight forward despite the complex environment with multiple services present