

Case Study

Mass Rapid Transit
Corporation Sdn Bhd



Client **Mass Rapid Transit Corporation Sdn Bhd**

Requirement **Fall Protection system required for rooftop to facilitate safe working at height**

Solution **Latchways Fall Arrest Posts**

Product Details **30 Traditional ManSafe® Fall Arrest posts.**



WE KNOW WHAT'S AT STAKE.

Case Study



Background

The MRT project is a planned 3-line mass rapid transit system with a total of 101 stations. Klang Valley MRT is poised to be the backbone of the public transport system in Kuala Lumpur Malaysia and is expected to become operational in phases and save 280 million man hours annually in commuter travelling time.

The Requirement

The MRT station roofs required engineered horizontal lifeline systems for workers to be kept safe while performing periodic maintenance tasks. These systems had to be robustly designed to arrest a worker's fall and also protect the building envelope from damage in the event of a fall. The futuristic station designs also called for a fall arrest system which looked aesthetically pleasing to complement the modern and progressive look and feel of the Klang Valley MRT project. High quality materials were a must to withstand the high heat and humidity of Malaysia's tropical climate.

Solution

Topscope, a trained Latchways systems installer, designed a bespoke system of 26 Constant Force Posts per station (approximately 240m in length) and installed the system with non-penetrative fixings according to each station's unique layout.

The MSA Latchways Constant Force Post system ensured that only a maximum of 6.5KN of force was transmitted to the roof in the event of a fall, ensuring a high level of protection for both the workers and the building envelope. The systems are tested to the EN795:2012 standards for Fall Arrest anchor points, and the CEN TS 16415 standards for systems with multiple workers on it.

About MSA Latchways

Established in 1974, Latchways has become a worldwide leading brand synonymous with engineering strength in fall protection. Maybe it's because we were the very first company to successfully develop and market engineered cable-based fall arrest systems. Or maybe it's because our constant innovations in worker safety at height have improved so many workplaces and lives. One thing is certain: In a global industry with ever evolving demands and ever-changing regulations, the call for fall protection that works with you and your specific needs has never been stronger. That's why, in October 2015, Latchways joined forces with MSA Safety, Inc., a Pennsylvania-based Fortune 500 company with sales and manufacturing operations in more than 140 countries. Together, we bring unprecedented global leadership to protecting workers and satisfying customers around the world.



Our Mission

MSA's mission is to see to it that men and women may work in safety and that they, their families and their communities may live in health throughout the world.

MSA: Because every life has a purpose.

Your direct contact



Subject to change without notice

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This is intended for general information and guideline uses only. It should be understood that legislation is changed and amended. Manufacturer instructions must be followed at all times and MSA Latchways® systems must be installed by a Latchways Registered Installer.