

# REDA

Hazard Control



## ENGINEERED FALL PROTECTION SYSTEMS

Our Partner



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## Who We Are

REDA Hazard Control is a part of the REDA Group, an international engineering and industrial services company.

REDA Hazard Control offers a full spectrum of end-to-end solutions for hazard control. Our areas of expertise include fire protection, safety, and security. We are a leading provider of fire protection services and safety systems & equipment. We also offer solutions that will improve and enhance your site security.

Our goal is to provide exceptional quality, tailored services, and continual support. We exist to protect the lives of people and the community in which we live and work. This is why we always strive for excellence in all that we do.

Our customers are at the heart of our business and we believe in working with you on a personal basis to ensure precision until you are completely satisfied. So when it comes to safety, rest assured... we have all the bases covered.

## What We Do

Established in 1984, REDA Hazard Control has been providing products, systems, and services to a wide variety of industries across the world. We specialize in the areas of fire protection, safety, and security.

Our dedicated team collaborates with leading manufacturers around the world. We combine their scientific and technological expertise with our wealth of contracting, installation, and service experience.

Whether large or small, REDA Hazard Control has the people, products, financial resources, and the expertise to handle your project from start to finish. We will evaluate a broad range of solutions to find what fits your needs.



# Engineering & Services

## Who We Serve



## ENGINEERING, CONTRACTING AND CONSULTATIONS:

We Have the capacity to design, supply, install, test and commission of all known fire Life Safety systems. Our professional team is well qualified and industry certified to design, engineer and implement systems across the spectrum we serve.

REDA Hazard Control offers:

1. Field engineering services to our prestigious project to determine on site solution to minimize the time required for any installation.
2. Quality control during the project execution.

## INSPECTION AND PREVENTIVE MAINTENANCE SERVICES

REDA Hazard Control is committed to provide the highest level of inspection and preventive maintenance to the products and systems we have in our portfolio.

Our factory trained and certified technicians take pride in ensuring your products and systems are maintained according to manufacturers' standards and guidelines as well as the international codes having reference.

Our services comprise of:

- On-site inspections
- Preventive maintenance and and corrective maintenance
- Hydrostatic pressure testing and recharging
- Calibration and certification

## TURNKEY PROJECTS

We have the capacity to manage and perform turnkey projects across the sectors we serve working with international Consulting Houses and EPC Contractors. In addition to the technical support provided by our world reputed partners, we have at our disposal the advanced planning, design and modelling technology. We have the right people, products, financial resources and expertise to manage and serve your complete turnkey projects, be it fire protection, security, life safety or emergency response related.

- Conceptualization, detailed design and the production of drawings.
- Supply and installation of a wide range fixed fire protection systems.
- Testing & commissioning of systems.
- Provision of As-Built documentation.

# OSHA Regs and Ladder Cages

The revised ruling under OSHA 1910.128(b)(9)(i) establishes a phase out of ladder wells and cages by November 18, 2036. Here are the implementation details:

- For caged, fixed ladders erected before November 19, 2018, employers have up to 18 years to install ladder safety or personal fall arrest systems (1910.28(b)(9)(i)(A))
- For new fixed ladders erected on or after November 19, 2018, the employer must equip the ladder with a ladder safety or personal fall arrest system (1910.28(b)(9)(i)(B))
- For ladder repairs and replacements, when an employer replaces any portion of a fixed ladder, the replacement must be equipped with a ladder safety or personal fall arrest system (1910.28(b)(9)(i)(C))
- After November 18, 2036 all fixed ladders must be equipped with a ladder safety or personal fall arrest system (1910.28(b)(9)(i)(D))



Since November 18, 2018 ladder Cages do NOT qualify as a safety system on fixed ladders of 24' or taller.

# Latchways® Vertical Lifelines (VLL)

The LadderLatch and TowerLatch devices are two great examples of how MSA modernises fall protection for the tough, complex needs of today. The Latchways range began more than 40 years ago, revolutionising the industry with patented starwheel technology which enables a worker to travel along the engineered system without the need to detach and reattach when passing through intermediates. Since then, we've developed many more breakthrough technologies and innovative products that continue to impact the fall protection industry in profound, meaningful ways.

## Engineering excellence

MSA fall protection systems are manufactured to the highest international standards, using only the best materials. Critical components are individually numbered and batch-conformance and dye-penetrant tested—a quality standard unsurpassed in the industry. In addition to rigorous in-house testing, MSA products undergo external verification to ensure they meet or exceed relevant industry standards.

The vertical lifeline system has also been subjected to accelerated aging, wind tunnel trials and cyclic testing—all of which have confirmed the inherent quality and durability of the system.

## Ease of installation and use

As experts in the field, we know how valuable your time is and how important convenience is to you. That's why our vertical systems are designed to allow for the following:

- Incorporation at the design stage for new towers or retrofitting to existing structures
- Installation that follows the contours of structure, including horizontal and inclined sections
- A comprehensive range of components that enables quick and easy installation on any type of overhead line tower, vertical structure or ladder
- Utilisation by up to six users
- Units that can be attached or detached at any point in the system
- Installation in virtually any environment



# Constant Force® Post Technology

We've used the science of Constant Force and applied it to the fall protection industry to provide easy-to-install, reliable and cost-effective rooftop safety solutions.

With more than 70 configurations for over 450 roofing systems worldwide, our Constant Force Post technology offers compatibility with virtually all roofing systems.

Latchways Constant Force post (CFP) does not need to be fixed to the building structure but instead top-fixes to the roof, therefore simplifying installation, saving time and protecting structures from compromise.

With Constant Force technology as its governing principle, the load generated in the event of a fall is absorbed through the Latchways system, minimising loads placed on the roof structure.

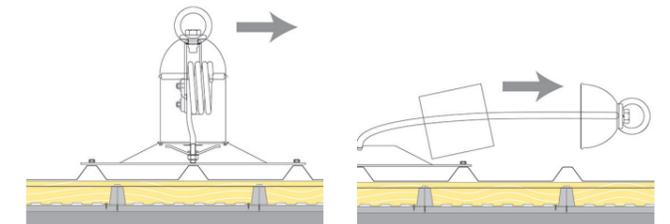
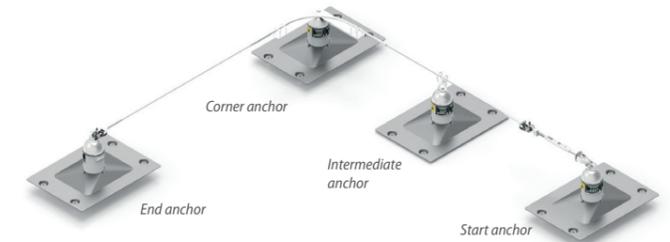
## Latchways Transfastener™

The user, wearing a full-body harness and energy-absorbing lanyard, is continuously attached to the system with a Transfastener, MSA's innovative device that can rotate its way through the intermediate cable supports without the need for the user to detach from the system. For systems with no entry terminal, a Removable Transfastener can be used.



## Constant Force Post Components

Recognizing the importance of installing a fully compliant solution for all major roof constructions, MSA consulted with manufacturers across the globe to create a brilliantly compatible anchor: the MSA Latchways Constant Force Post. With a wide range of components, Constant Force Post technology can be designed to fit nearly any roof configuration.



The Constant Force coil controls the load when a fall occurs, limiting the impact to the roof construction.

Constant Force post on standing-seam roofing	Constant Force post on corrugated metal decking	Constant Force post on secret-fix roofing	Constant Force post on flat roofing
Fixing Method: 4 split clamps	Fixing Method: 16 stitching screws/bulb tite rivets	Fixing Method: 20 bulb tite water seal rivets	Fixing Method: 4 toggle bolts

## Latchways® Horizontal Lifelines (HLL)

With Latchways overhead systems, all you have to do is look up and you'll find a greater sense of security and confidence.

Combining MSA's unique knowledge of fall protection with innovative Constant Force technology, our overhead systems deliver maximum accessibility and hands-free mobility—not to mention ease of use and simple installation.

The Latchways range of overhead systems house Constant Force technology in an in-line energy absorber, so if a worker connected to the system should fall, the Constant Force energy absorber controls the load back to the structure. Simply put, it's a smartly designed system precisely engineered to react lightning quick.

Ideal for industrial environments and in applications such as warehouses, loading bays and airplane hangars, Latchways overhead system is heads above when it comes to fall protection safety.



## Latchways WalkSafe® Walkway Systems

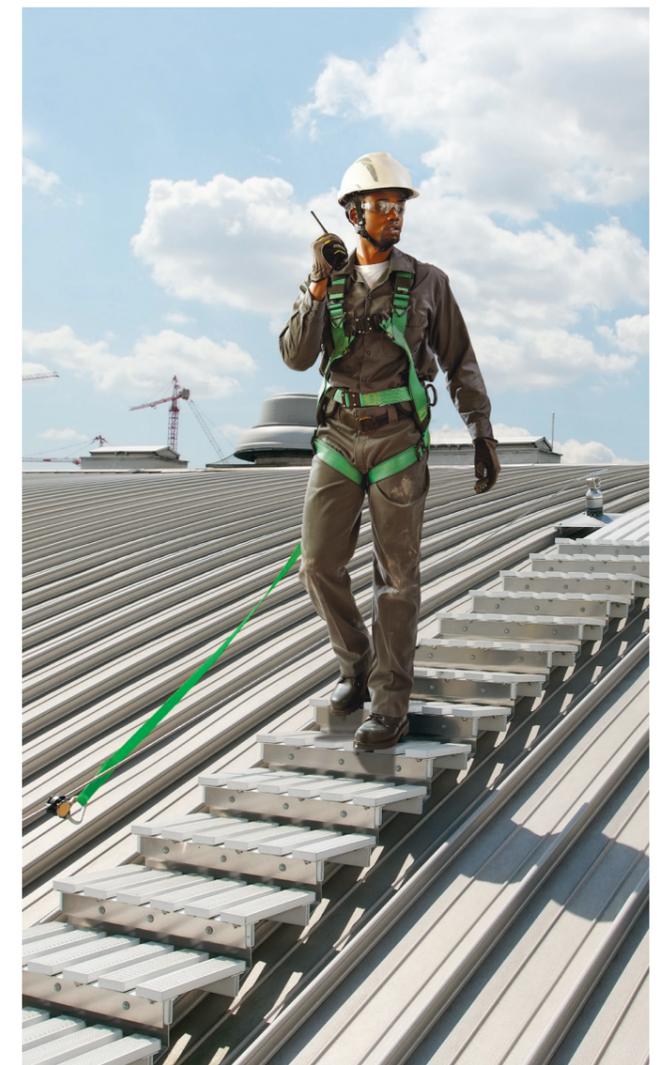
Often it's necessary (and best practice) to install a fall protection system that offers maximum safety even in the face of minimal danger. WalkSafe walkway systems attach to rooftops to create a level, anti-slip surface that keeps workers protected against potential fall hazards. In addition to offering ease of access up sloped or pitched roofs, WalkSafe's leveled walkways help provide workers a defined route that guides them away from hazards.

Manufactured from recycled PVCu, WalkSafe systems are designed to distribute the load evenly on the roof, reducing wear and tear on the roofing system itself. This is particularly useful in instances where regular access is required, for example in plant inspection, rooflight cleaning or air quality monitoring.

Versatile in its applications for easy customisation, WalkSafe systems work on all major roof systems—from standing-seam to corrugated metal to single-ply membrane.

### Key Advantages

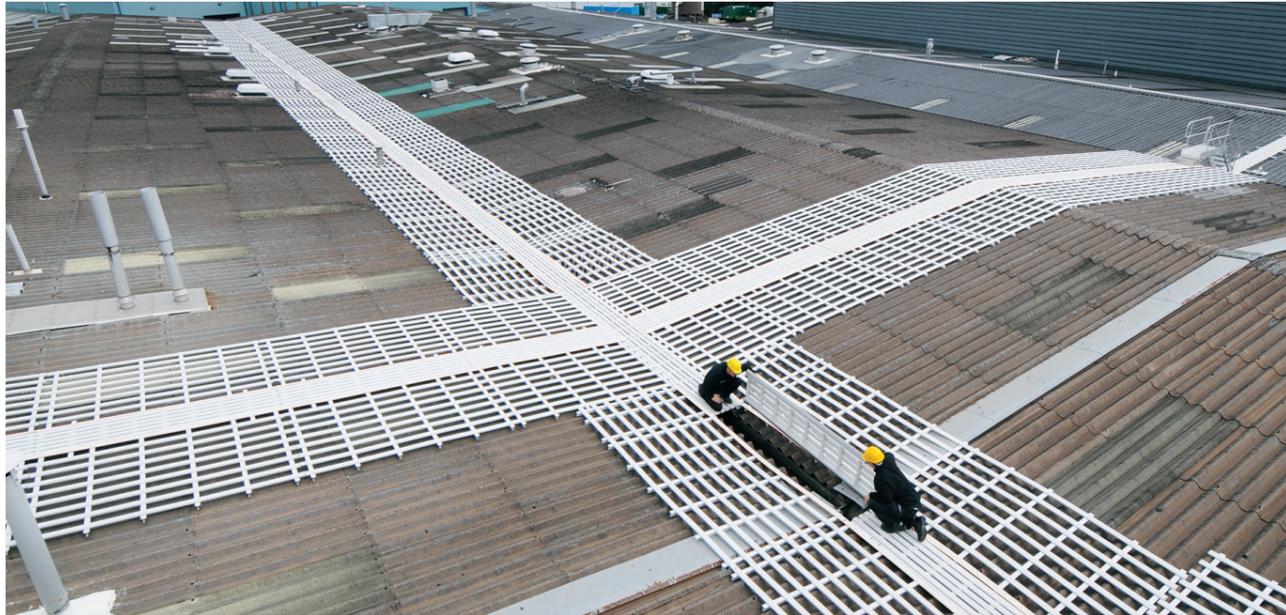
- Lifespan in excess of 25 years
- Manufactured from recycled PVCu and can therefore be recycled again
- Lightweight construction
- Designed for use on all major roofing systems
- Manufactured in the UK
- Class 1Y against B476 fire resistance test
- Tested to ACR[M]001:2014 for fragility and achieved an "A" classification
- Tropical alternative available for high-heat and high-UV conditions
- Coefficient of friction:
  - Dry 0.57
  - Wet 0.51



## Latchways VersiRail® system

### WalkSafe Fall-Proof Covers

If installing fall protection systems isn't possible, then installing passive protection such as WalkSafe Fall-Proof Covers or Skylight Covers is the next best solution. Whether on flat or pitched fragile roofs, WalkSafe covers can be used adjacent to WalkSafe Walkway systems and can work apart from—or, ideally, jointly with— other Latchways fall protection solutions. Better still, these easily installed covers eliminate the possibility of user error, since they don't require user training.



### WalkSafe Skylight Covers

Wherever in-plane or raised skylights are installed, WalkSafe Skylight Covers work to keep employees from falling through them.

As skylights often vary in shape and size, WalkSafe solutions can be customised to fit your particular needs.

Contact your local MSA representative to help you and your local Latchways Registered Installer design an appropriate system just right for you.



Where you need to restrict exposure to the hazard, the VersiRail® range offers an aesthetically-pleasing collective protection solution for flat surfaces up to a 10° slope. VersiRail comes as either a freestanding option where there is no need to drill or penetrate the roof, or as a fixed option which can be permanently attached to the roof.

Both freestanding and fixed solutions are available in three style choices; straight, curved or inclined and three finishes; natural, polished or powder coated to a RAL colour.

Freestanding VersiRail can also be supplied in a folding option to lie flat on the roof when the system is not in use.

A guardrail system should be designed to always provide a minimum edge protection height of 1100 mm. The fixed VersiRail system has upright supports that are available in various heights (from 300 - 1100 mm) to accommodate different parapet heights.

For added safety VersiRail is supplied with kneerails as standard. Additional kneerails can be provided to meet individual requirement.

### Key Advantages

- Durable aluminium, corrosion-resistant construction
- Lightweight-quick and easy installation
- 30% lighter than steel alternative
- Fixed or freestanding
- Adaptable, modular easy-fix system
- Fully weatherproof
- Tested and certified in accordance to EN 13374 and EN 14122-3
- No need for annual inspection
- Versatile-can be designed for any flat roof plan
- Available in three styles-straight, curved, inclined
- Freestanding option-no need to penetrate the roof
- Fixed option -a range of different heights to meet your needs (300, 500, 700, 900, 1000 and 1100 mm)



VersiRail Freestanding upright



VersiRail Fixed upright

## MSA V-FORM™ Harness

With lightweight and durable components, V-FORM range of harnesses provides full comfort to the users.

- 3 different harness versions with 3- or 5-point adjustment – single dorsal D-Ring, additional two loops at the front, additional shoulder loops for use with the MSA Spreader bar
- Colour-contrasting thigh and torso straps
- Dual load indicator
- Choice of Qwik-Fit or Bayonet leg straps
- 140 kg load capacity
- V-FORM waist belt can be attached onto a harness for work positioning
- Certified to ANSI Z359.11, CSA Z259.10, OSHA



## MSA V-FIT™ Harness

With distinctive design and extended padding, V-FIT range of full body harnesses provides high-level comfort for users in all applications.

- Fall arrest rated textile loops at the front and a lightweight aluminium back D-ring
- Harness version with two lateral aluminium D-rings
- Fully adjustable shoulder, chest strap and thigh straps
- Shoulder and leg padding
- Dual load indicator
- Bayonet style buckles with locking engagement window
- Lanyard keepers on shoulder straps
- Two tool holder loops at the back of the waist belt
- 140 kg load capacity
- Certified to ANSI Z359.11, CSA Z259.10, OSHA



## Self-Retracting Lanyards

### V-TEC 1.8m PFL

The V-TEC PFL Retractable Lanyard is the most compact & lightweight self-retracting lanyard ever developed in its class using multiple spring radial energy-absorbing technology. This new design eliminates the need for an external energy-absorber outside of the housing making it the smallest retractable lanyard in its class on the market.



### V-TEC™ 6m SRL

With premium components and innovative engineering, the V-TEC SRL offers controlled cable retraction preventing excessive speed and protecting internal parts from damage. The swivel snap-hook avoids twisting of the cable during use. Certified according to ANSI Z359.14 Class B, CSA Z259.2.2, OSHA.



### Latchways® Sealed Self-Retracting Lanyard

Latchways Sealed SRLs have been specifically designed for use within harsh marine environments such as offshore wind turbines and oil rigs. Their inherent flexibility allows devices to be installed on even the most complex structures for unhindered hands-free fall protection. Certified to ANSI Z359.14-2012.



## Lanyard

MSA lanyards protect the supervisory leader at the manhole. Using the length-adjustable lanyard with integrated shock absorber, it is possible to rapidly secure persons in direct proximity to the manhole. Certified according to ANSI Z359.13, CSA Z259.11 –17, OSHA.



## Target Focus upon Specification

MSA understands that if specific products are not required, contractors will not include those products into project considerations.

### We offer:

- Design and spec service.
- In-person consultation.
- Standard specification using Word format.
- Attendance and participation in design industry conferences.
- Conducting on site work at height awareness assessment.





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