



HORIZONTAL LIFELINE SYSTEMS

pbiheightsafety.com

roofsafe  *cable*

3M

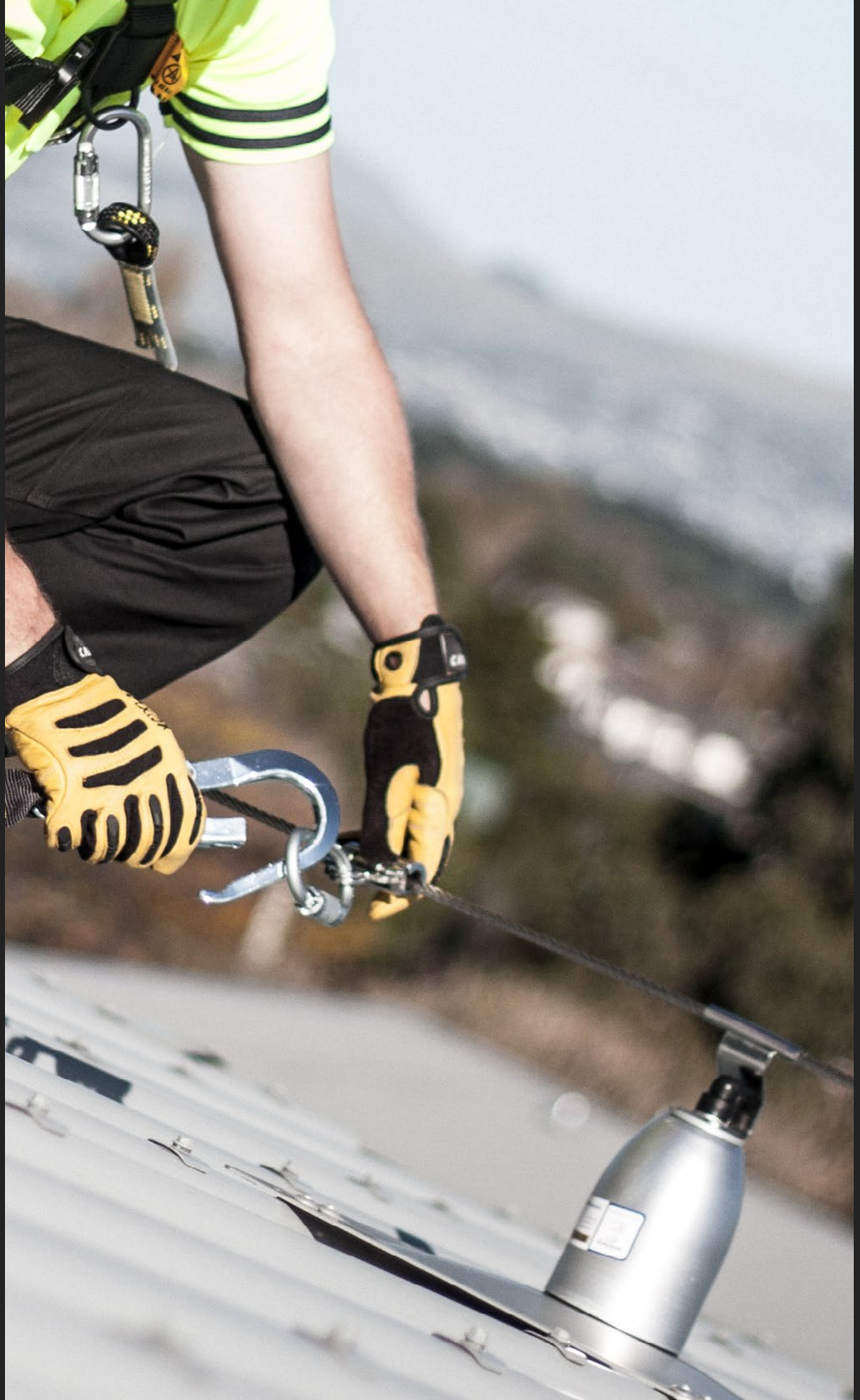
CHOOSE A PERMANENT SOLUTION FOR **HASSLE FREE** ACCESS TO YOUR ROOF.



Masterspec is New Zealand's market leader in providing specification systems and supporting software for the construction industry.

Visit masterspec.co.nz

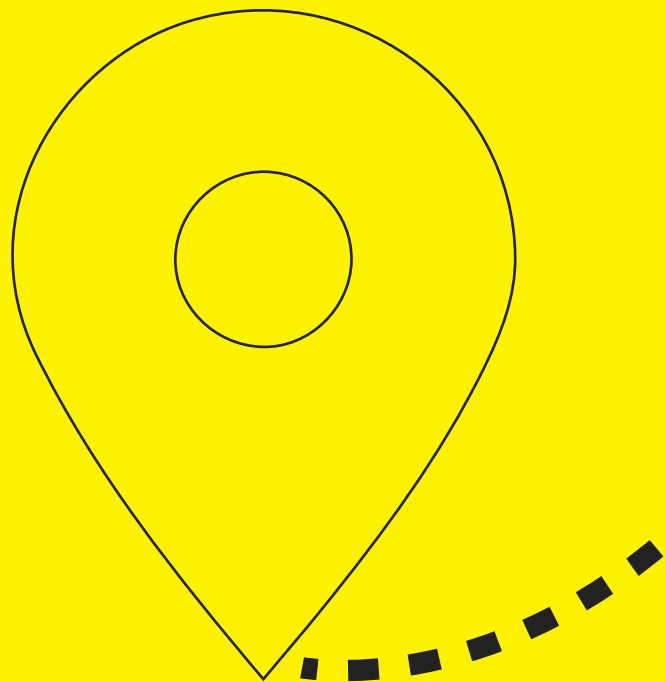
masterspec



WE ARE... NEW ZEALAND'S PREFERRED SUPPLIER OF HEIGHT SAFETY SYSTEMS.

PBI Height Safety will design and install a fully compliant & easily operated system that has the least impact on your roof profile.

We work with the country prominent architectural firms and construction companies because we are the most trusted.





ZERO



**WE HAVE
INSTALLED
OVER 120,000m
OF CABLE ON
NEW ZEALAND
BUILDINGS.**

The background of the advertisement is a close-up photograph of a 3M RoofSafe Cable system. It features a sleek, silver, conical cable housing mounted on a roof surface. A steel cable runs through a pulley system at the top, with a carabiner attached. The scene is set against a clear, bright sky, suggesting a high-altitude or industrial environment. The overall aesthetic is clean and modern, emphasizing the product's design and functionality.

COMBINING SIMPLICITY WITH STYLE

3M RoofSafe™ Cable is a low profile, modular, cost-competitive and safe solution for continuous fall protection. Enhanced by predictive modelling, engineering and industrial design, the result is a blend of functionality and elegance.

Uni 8™ evolution™ Traveller

CONTINUOUS HANDS FREE ACCESS

From the leader in fall protection equipment the 3M RoofSafe™ Anchor and Cable is a horizontal lifeline system that allows continuous uninterrupted access to help you control your environment so you can focus on the job at hand.

Users simply attach to the cable system with a UniGrab traveller connected to an energy absorbing lanyard or adjustable rope line. Once connected, Multiple people can access the system at any given time and travel freely across intermediate posts without having to disconnect.

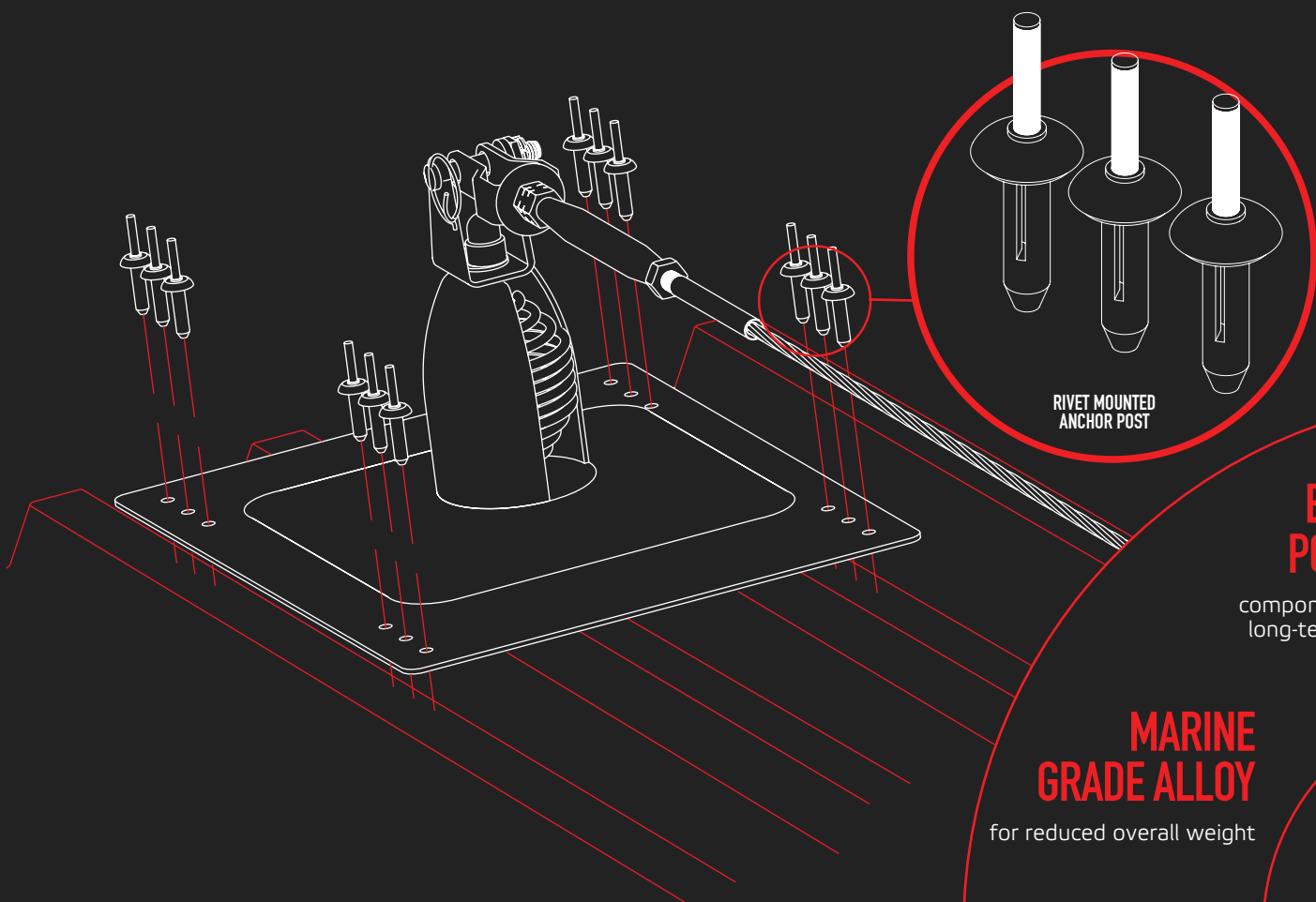
The systems can be used in a restraint technique or fall arrest. The in-line energy absorbers reduce load transfer to the structure in the event of a fall.

UNIGRAB
TRAVELLER

INTERMEDIATE POST

CORNER & POST





RIVET MOUNTED
ANCHOR POST

ELECTRO POLISHED

components provide
long-term corrosion
resistance

MARINE GRADE ALLOY

for reduced overall weight

IN-LINE ENERGY ABSORBERS

protect buildings and
structures

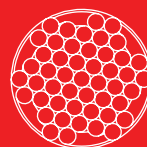
FLEXIBLE ANGLE CHANGE FIXTURES

maximum flexibility in roof
fall protection

DESIGNED TO FIT ANY BUILDING PROFILES

With multiple fixing options, 3M cable systems can be side mounted to a wall or surface mounted to roof profiles including iron, warm and membrane roofs.

Variable cable supports and corner supports ensure workers have uncompromising access for all aspects of roof inspection and maintenance. Components, including the 8mm wire rope, are made from quality 316 stainless steel. All fabricated parts are further enhanced by electropolishing to provide strong resistance to corrosion and long service life for the roof fall protection system.



**HIGH QUALITY 316
8mm STAINLESS
STEEL CABLE**

SURFACE MOUNTED FOR MAXIMUM WATER RESISTANCE

**50%
LESS STRESS**

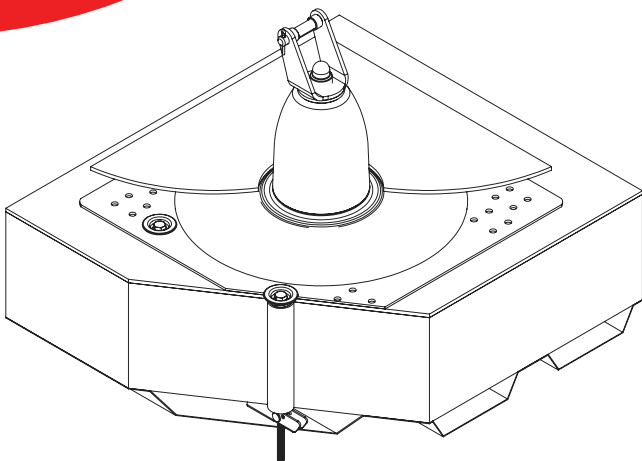
RoofSafe's unique energy absorbing system produces 50% less overturning movement than other anchor posts.

LESS STRESS

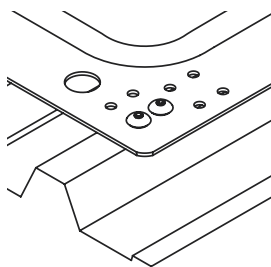
RoofSafe's Variable cable supports and corner supports ensure workers have uncompromising access for all aspects of roof inspection and maintenance.

Minimum roof penetration equals maximum water resistance. The RoofSafe™ cable systems mounts directly to the surface of your roof profile with as little as eight watertight rivets per baseplate. Unlike other fall arrest systems, RoofSafe™ baseplates are never fixed to the roof pan making it New Zealand building code compliant.

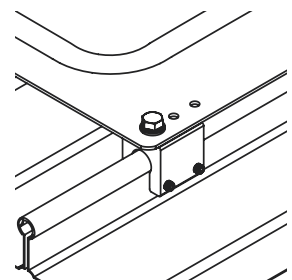
Roofs are changing to accommodate more insulation materials and being designed to utilise lighter materials and take advantage of new technologies. The advanced design of the RoofSafe™ Anchor allows customers to benefit from modern roofing design whilst ensuring safety and structural integrity.



TOGGLE FIXING



RIVET MOUNTED



MAXI CLAMP

READY TO SPRING INTO ACTION WHEN YOU NEED IT MOST

Modular, lightweight design provides safe, cost-effective flexibility in system design including accommodating roof refurbishment and green roof projects.

In the event of a fall, the anchor breaks open, deploying the unique and patented Force Management Technology absorbing system which reduces the forces generated on the roof structure to less than 610 kg. (6kN), the lowest of any of its kind on the market. This enables the anchor to be installed on a wide variety of old and new roof types without risk to structural integrity.

In the unlikely event that the anchor is deployed, it is possible to remove the module and replace it with a new one. This is also an advantage with the ever changing building regulations, with the need for increased depth of roof insulation.





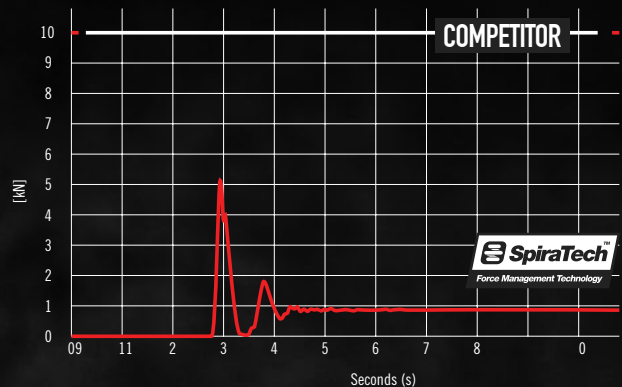
Force Management Technology

THE LOWEST SHOCK FORCE OF ITS KIND

Spiratech™ Force Management technology
Provides the lowest distribution load to the roof
system when compared to the competition.

In the event of a fall, the RoofSafe™ Anchor breaks open,
deploying the unique and patented SpiraTech™ Force
Management Technology absorbing system, which reduces
the forces generated on the roof structure to less than
5kN, the lowest of any of its kind on the market. This
enables the anchor to be installed on a wide variety of old
and new roof types without risk to structural integrity.

FORCE INDICATOR: SPIROTECH vs COMPETITION

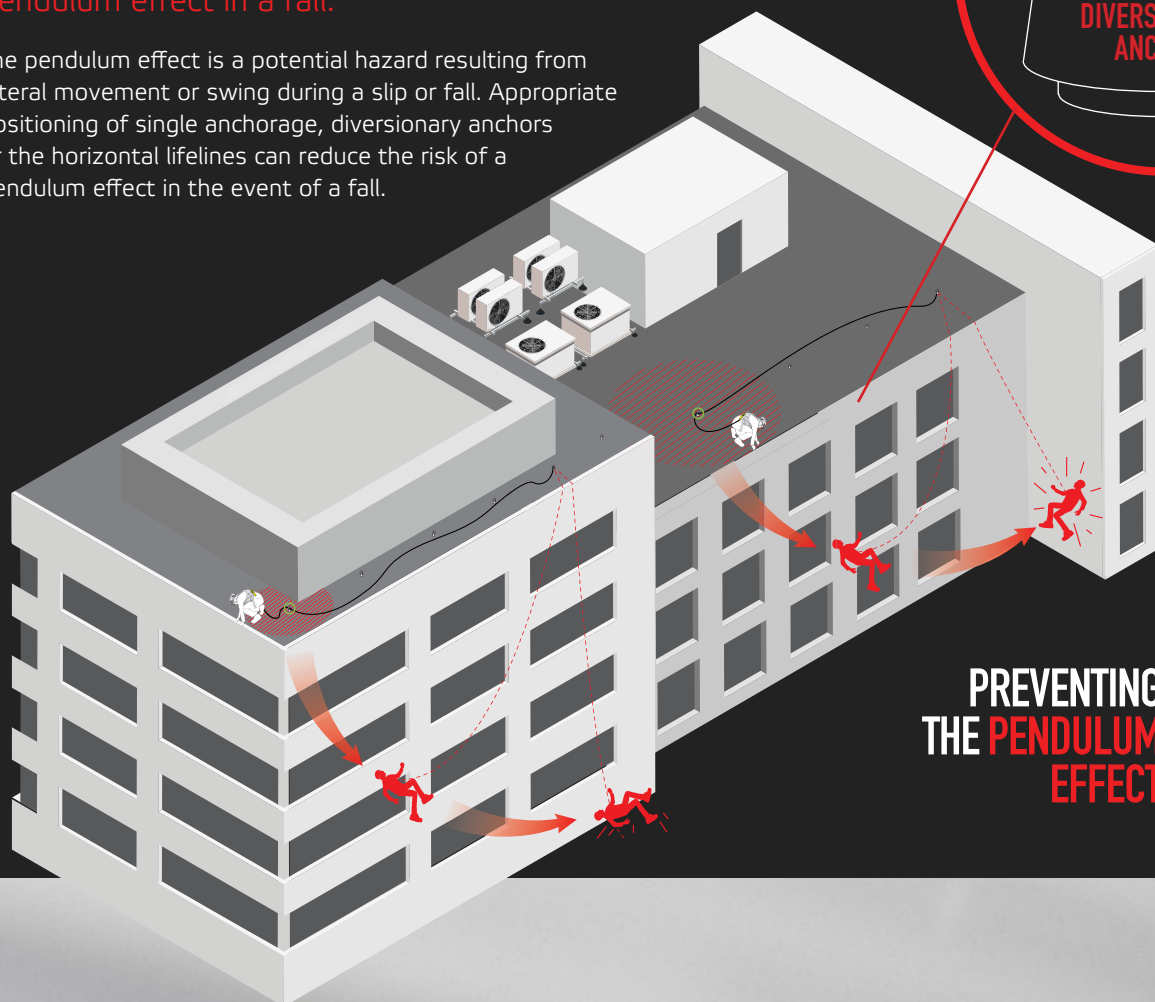




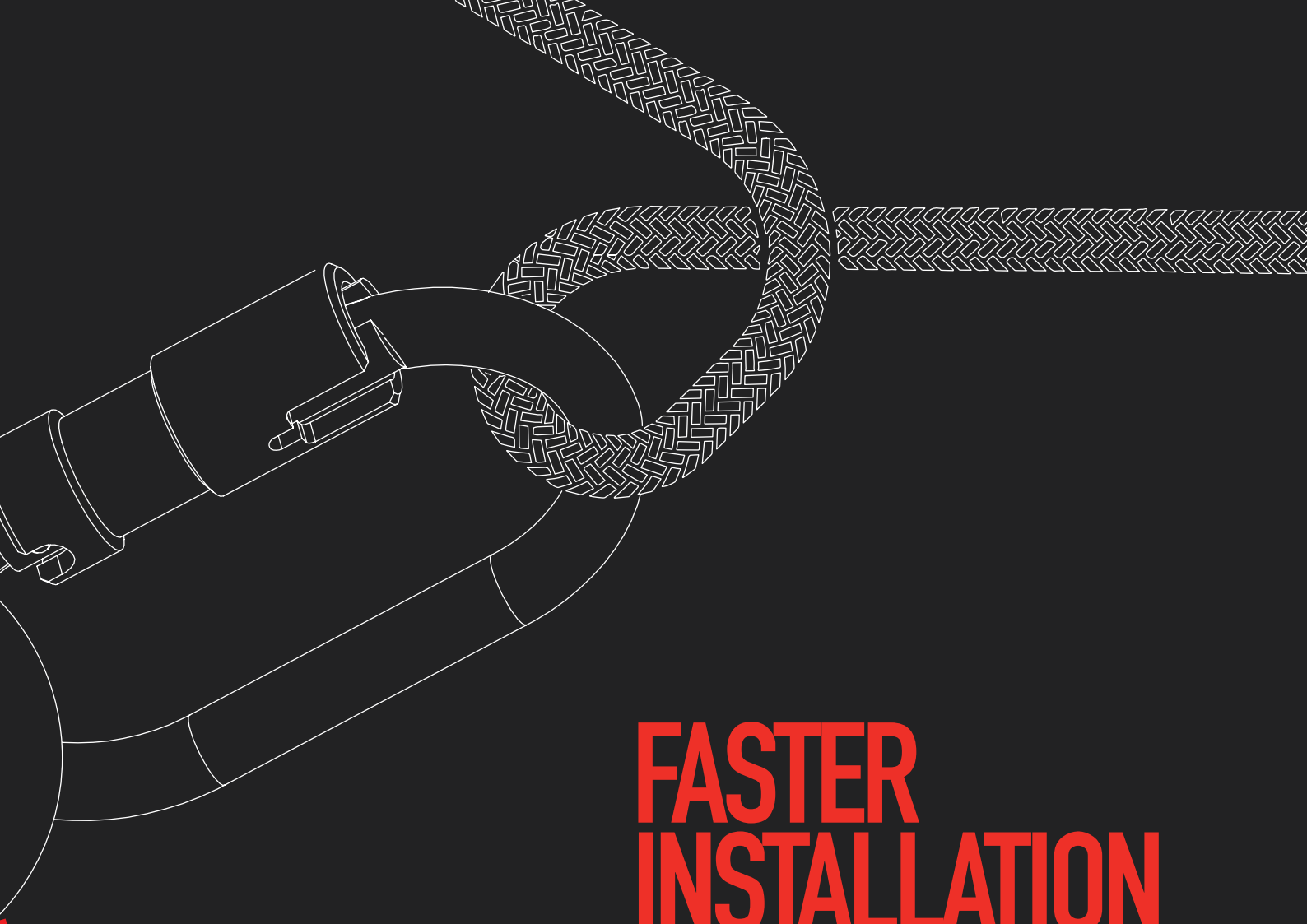
SAFETY IN DESIGN

When a full perimeter cable system is not practicable diversionary anchors provide continuous travel restraint protection and reduce the risk of a pendulum effect in a fall.

The pendulum effect is a potential hazard resulting from lateral movement or swing during a slip or fall. Appropriate positioning of single anchorage, diversionary anchors or the horizontal lifelines can reduce the risk of a pendulum effect in the event of a fall.



PREVENTING
THE **PENDULUM**
EFFECT



LESS TRAINING & EXPERIENCE REQUIRED

Conforms TO AS/NZS standards Includes AS/NZS 5532:2013 and has been tested to both EN795 Class A and C, OSHA, ANSI and Standards.

FASTER INSTALLATION WITH MINIMAL IMPACT TO YOUR ROOF

RoofSafe™ cable is the ideal fall arrest system for new and existing building due to its reduced load rating to the roof structure.

Multiple fastener options reduce the complexity of the specification making installation a breeze. As there is no structural penetration, there is no requirement for engineering compliance.

RoofSafe™ cable requires less training and experience compared to single anchor points making it one of the safest systems to use.

PBI PROVIDE A COMPLETE SOLUTION FROM DESIGN TO CERTIFICATION

We consult on all aspects of fall protection directly with architects, engineers & building owners to develop an ideal solution based on the roof profile & access points.

We carry out site audit inspections in accordance with the manufacturer's instructions, AS/NZS 1891.4:2009 standards, NZQA 15757 & 23229 qualifications and WorkSafe requirements for working at height and rope access.

Our in-house team will provide a detailed plan of your system including CAD drawings of any fixing detail. We will deliver a detailed quote, including a comprehensive service level agreement including all engineering compliance.

We have an installation team in your area ready to install your system with a dedicated project manager to ensure the installation is completed to schedule.

Our certification team will ensure your system meets all requirement and provide annual recertification. We provide on-site system training and Operation and Maintenance Pack.

www.pbiheightsafety.com

DESIGN

PROPOSAL

COMPLIANCE

PROJECT MANAGEMENT

INSTALLATION

TRAINING

CERTIFICATION



Shaun Wilson

Project Manager

Shaun has an extensive history in the height industry which spans over 14 years and includes abseiling, installation, construction & project management. With his comprehensive industry knowledge of height safety systems Shaun thrives on the challenges working in demanding environments can bring.

We will supply a comprehensive design specification including marked roof and / or structure plans.

We will deliver a detailed proposal, including a comprehensive service level agreement.

We manage all CPEng engineering compliance including PS1, 2, 3 & 4 to ensure structure will withstand imposed loading.

A project manager will look after the daily running of the project and ensure the installation is completed to schedule.

Our manufacturer accredited installation teams are based throughout New Zealand.

We provide on-site system familiarisation and Operation & Maintenance Packs. All systems are completed with PPE.

Our Quality Assurance (QA) team will ensure your system meets all compliance requirements and provide annual recertification which is tracked through our asset management system.

BECOMING THE COUNTRY'S LEADING HEIGHT SAFETY SPECIALISTS HAS BEEN NO ACCIDENT.

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