

# XSPLATFORMS FALL PROTECTION SYSTEMS

SUPERIOR WORK AT HEIGHT SAFETY SOLUTIONS



SUPERIOR SOLUTIONS  
FOR WORK AT ANY HEIGHT

BEMOUSA.COM



**XSPlatforms®**  
Certified Partner

# FALL PROTECTION BY XSPLATFORMS

WE BELIEVE WE CAN MAKE WORK AT HEIGHT SAFER

XSPlatforms works towards a world where those responsible for safety are aware of the dangers, and have everything they need to preclude the risk of falling. Because in our vision, the safety of a work environment at height should be self-evident.

We began to provide fall protection equipment for people working on roofs in the Netherlands more than two decades ago. Things have changed a lot since then. But for us, safety is still more of a calling than a business.

Today, we still have the same aspiration we had back then: to make work at height safer, in any situation. With innovations that surpass standards, we have earned our spot at the forefront of the industry.

Because for us, safety is not just about the standards to which we have to comply. It's about the bigger picture: about usability and the context in which our solutions are used for safe work at heights.

Adopting this perspective enabled us to develop several innovations which deal with risks that have been taken for granted for far too long. That's why we always speak of solutions, rather than products.



The capability and the can-do attitude of our engineering department is the driving force behind our success. When our standard product range does not suit your project's needs, we can create custom fall protection solutions tailored to your wishes.

“

***The safety of  
a work environment at height  
should be self-evident.***

”

# OUR XSPHILOSOPHY

Our vision is defined by the XSPhilosophy, which reflects the way we work at XSPlatforms. The following five core values govern all our actions and decisions, both as individuals and as a company:

## SAFETY ABOVE ALL

From concept to launch, safety is always the first consideration for the development of our solutions. Our Partners are guaranteed that everything we deliver has passed extensive testing according to the highest applicable standards.

## FOCUS ON THE CUSTOMER

For us, innovation is more than just having a clever idea: it's about discovering the true needs of our customers. Our special engineering process is structured in accordance with this belief.

## SIMPLICITY DEFINES QUALITY

We believe that fall protection doesn't need to be complicated. That's why we design solutions that simplify things for everyone involved. Besides clients and users, this also includes the people supplying, installing and servicing XSPlatforms' equipment.

## VISION

We believe that we can make work at height safer. XSPlatforms works towards a world where those responsible for safety at heights are aware of the dangers, and have everything they need to preclude the risk of falling.

In our vision, the safety of a work environment at height should be self-evident.

## THE BEST ISN'T GOOD ENOUGH

Our entire organization is geared towards excellence. Thinking in terms of opportunity allows us to go beyond our limits.

## THERE IS NO SUCH THING AS A PROBLEM

Where others see a problem, we see an opportunity. We welcome challenges, we meet them with daring enthusiasm and optimism. So whenever something seems impossible, we'll look for a way to make it possible.

## MISSION

Our goal is to serve forward-looking clients around the world with superior safety solutions and world class service. We aim to build long-term relationships with all our clients, partners and employees.

We want XSPlatforms to be recognized as the world's number 1 brand for safe work at height.



# CHOOSING THE RIGHT FALL PROTECTION SOLUTION

What fall protection suits a building or project best depends on a number of factors, such as the number of users, the desired freedom of movement and other project specific requirements.

## XSGUARDRAILS

Guardrails provide collective fall prevention for all users. Guardrails are the preferred method of fall protection as they provide the highest level of safety.



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## HORIZONTAL RAIL SYSTEMS

The XSRail system can be mounted on a roof, wall, or to an overhead structure. Used to provide safe anchorage to workers in situations with limited fall clearance.



PAGE 8

## HORIZONTAL LIFELINE SYSTEMS

The XSLinked and LinkedPro horizontal lifeline systems can be installed on a roof, wall or overhead structure. They are used to provide anchorage for workers while working at height.



PAGE 9

## SINGLE ANCHOR POINTS

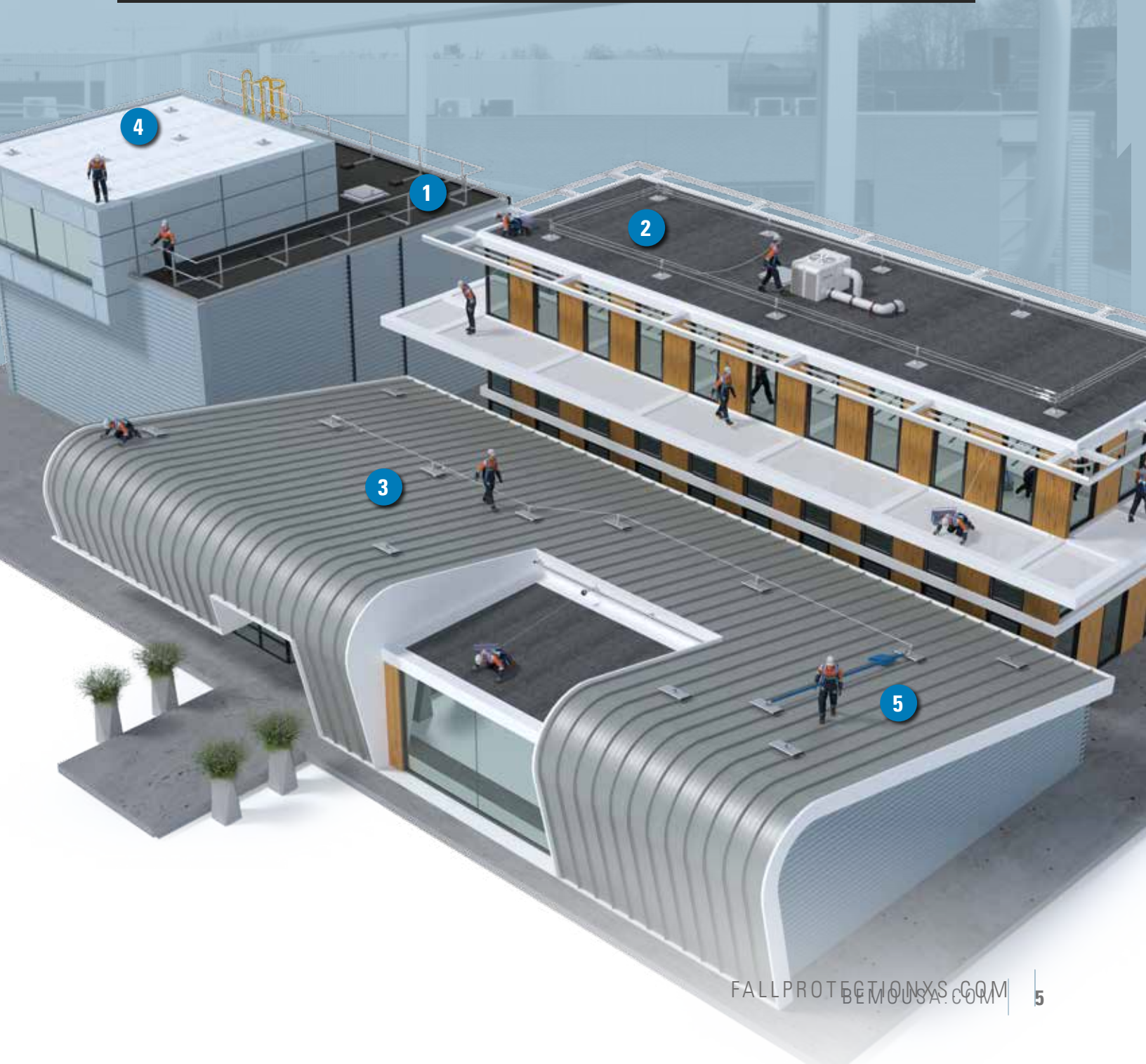
Single anchor points can be used to provide anchorage for up to two workers.



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# WE OFFER SOLUTIONS FOR ALL KIND OF INDUSTRIES

1. GUARDRAILS
2. LIFELINE ALONG ROOF EDGE
3. LIFELINE WITH ANTI-PENDULUM ANCHORS
4. SINGLE ANCHOR POINTS + ANTI-PENDULUM
5. TEMPORARY LIFELINE + ANTI-PENDULUM



# XSGUARDRAILS

## FIVE-STAR EDGE PROTECTION

A guardrail system prevents those who work or walk at height from reaching an area where a fall hazard exists. This way, the risk of falling off a roof, or through a skylight, is eliminated. Guardrails are the preferred solution for a safety point-of-view.

### WHY CHOOSE XSGUARDRAILS AS A FALL PROTECTION SYSTEM?

XSGuardrails offer maximum safety and are the simplest form of fall protection for users. No specific training or user knowledge is required to use the system, and they provide a collective safety solution that protects all persons present on a (roof) surface when installed along all edges.

A guardrail system that is placed along the entire edge of a surface, creates a 'safe zone'. This means that all users can freely move within the perimeter and work can be performed without any other form of fall protection.

## //// XSGUARDRAIL TYPES ////

We offer two types of XSGuardrails: free-standing and permanent. All types of XSPlatforms' guardrails can be installed with a maximum distance of 2 meters between each upright. The XSFix guardrail system even allows for span distances of 2,80 meters between uprights. This means that less uprights are needed when a long distance needs to be covered by the guardrail system.

### FREE-STANDING GUARDRAILS



The **XSFix** is kept in place with counterweights.



The **XSFlex** is kept in place with counterweights and can be folded.



### FIXED GUARDRAILS



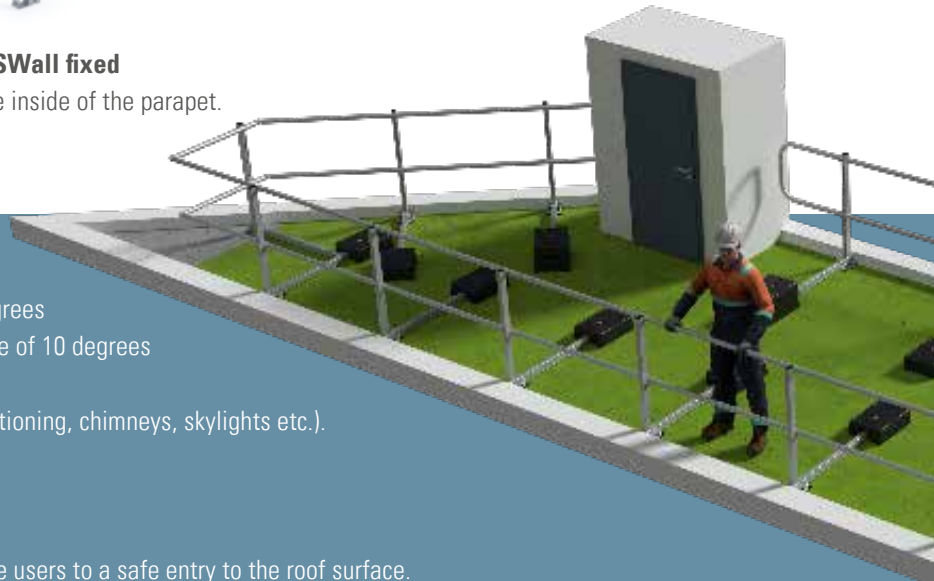
The **XSParapet fixed** is installed to the top of the parapet.



The **XSWall fixed** is installed to the inside of the parapet.

### WHY XSGUARDRAILS?

- > Suitable for flat roofs or roofs with a max. slope of 10 degrees
- > Suitable for installation along walkways with a max. slope of 10 degrees
- > High-end, stable guardrail systems
- > Ideal for buildings with installations on the roof (air conditioning, chimneys, skylights etc.).
- > System can be installed by one person
- > Flexible usage (fixed, removable and foldable)
- > Create safe roof access for authorized personnel.
- > Easy to combine with for example a caged ladder, to guide users to a safe entry to the roof surface.



# HORIZONTAL XSRAIL SYSTEMS

THE XSRAIL SYSTEM IS A RIGID HORIZONTAL RAIL SYSTEM, COMBINED WITH A RUNNER, WHICH ALLOWS USERS TO SAFELY WORK AT HEIGHT. THE RIGIDITY OF THE XSRAIL SYSTEM MAKES IT EXTREMELY SUITABLE FOR SITUATIONS WHERE LIMITED FALL CLEARANCE IS AVAILABLE.

A rail system has less deflection than a lifeline system when a fall occurs; this results in a shorter fall distance. So, for projects and situations where limited fall clearance is available, an XSRail system will be the best solution. Especially when using an automatic fall arrest device the user will be arrested almost immediately if a fall occurs.



## THE XSRAIL RUNNER

The XSRail runner is a specially designed, detachable slider. It allows a user movement along the rail trajectory while being anchored in case a fall occurs.

## WHY XSRAILS?

- Limited to almost no deflection, which means less fall clearance required
- Secured up to 6 users simultaneously on a single span
- Suitable for industrial and/or marine environments
- Can be integrated into the structure of a building, for example in a ceiling
- Configuration with limited number of components due to longer span lengths

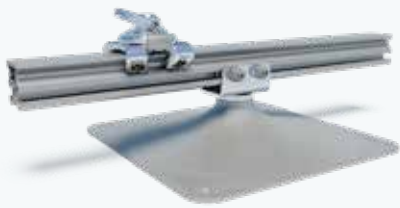




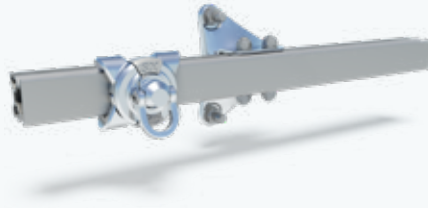
The XSRail system is ideal for positioning

## **XSRAIL APPLICATIONS: ON ROOF, WALL AND OVERHEAD**

XSRail systems can be installed on (flat) roofs, walls and on or incorporated overhead structures. Overhead XSRail systems, or wall mounted XSRail systems provide safety while working on, for example, ledges on the outside of a building, or at height in a manufacturing location.



XSRail on XSBase plate for roofs



XSRail applied on XSBase plates for wall/overhead

# HORIZONTAL LIFELINE SYSTEMS

WITH A HORIZONTAL LIFELINE SYSTEM, A USER WEARS A HARNESS THAT IS CONNECTED TO A PERMANENT STEEL CABLE TRACK THAT RUNS THROUGH MULTIPLE ANCHOR POINTS WHICH ARE FIXED TO THE ROOF.

Our horizontal lifeline systems are developed and tested according to the highest international safety standards. They can be mounted on roofs, to walls or to overhead structures like a ceiling. A user's lanyard is connected to the lifeline by means of a slider that moves over the lifeline.

## MODULAR FALL PROTECTION

Our permanent fall protection systems are designed to make working at height easier for everyone involved: users, clients and suppliers. The modular build-up of our systems makes it easy to compose the right system for a specific project. Several components can be combined with one of just three types of bases, to create anchor points which can be connected by a horizontal lifeline or as single anchor point, on a variety of (roof)surfaces.

## WHY HORIZONTAL LIFELINE SYSTEMS?

- Suitable for almost all roof surfaces
- Can be equipped with extra modules due to modular nature of products
- Users can pass each other without disconnecting (LinkedPro)
- Secures up to six users (LinkedPro)
- System calculations done automatically via ODIN, XSPatforms' online calculation tool



## LINKEDPRO: MULTIPLE LIFELINE SYSTEM

THE LINKEDPRO LIFELINE SYSTEM CAN FIT TWO OR THREE LIFELINES ON THE SAME ANCHOR POINT. THIS ALLOWS MULTIPLE USERS TO WORK TOGETHER MORE EFFICIENTLY, BECAUSE THEY NO LONGER NEED TO DISCONNECT FROM THE LIFELINE EVERY TIME THEY NEED TO PASS EACH OTHER.

As the only multi-lifeline solution on the market, LinkedPro offers increased safety for multiple users and comes with a practical advantage as well: with multiple lifelines, it becomes possible to create different routes for the individual lifelines.

# XSLINKED: TOP QUALITY SINGLE LIFELINE SYSTEM

THE XSLINKED IS OUR SINGLE-LIFELINE SOLUTION FOR ONE, TWO OR THREE USERS. AN XSLINKED LIFELINE PROVIDES PROTECTION TO INDIVIDUAL USERS AND OFFERS THEM GREAT FREEDOM OF MOVEMENT ALONG THE ROUTE OF THE LIFELINE. BECAUSE THE SYSTEM IS MODULAR, THE XSLINKED CAN BE SETUP FOR BOTH FALL ARREST AND FALL RESTRAINT PURPOSES.

The XSLinked lifeline provides protection to individual users and offers them great freedom of movement along the route of the lifeline. The XSLinked system is also suitable for installation on green roofs.



## ROOF, WALL AND OVERHEAD INSTALLATIONS

Both the XSLinked and LinkedPro lifeline systems are available as roof, wall and overhead systems. The modularity of XSPlatforms' fall protection facilitates safe and durable solutions which can be mounted to various roof surfaces, brick walls or steel beams. Contact XSPlatforms, or your local XSPlatforms Partner for more information on installation surfaces.



XSLinked system installed under the bridge of a cruise ship

## ENERGY ABSORPTION

XSPlatforms' fall protection systems not only protect the user, but also the roof structure against the forces which are released when a fall occurs. We offer two different ways of energy absorption for our horizontal lifeline systems

The award-winning XSBending kit Pro is a cylindrical component that is applied to the base plates of the lifeline system, it bends in the direction of the fall to absorb the shock. This way, the XSBending kit Pro protects users and at the same time prevents damage to the surface of the roof.

The XSDynamic can provide even more absorption by increasing the deflection of the lifeline. When it is activated by a fall, the spring inside the XSDynamic is stretched.

Our Partners use the **ODIN Lifeline calculation tool** to ensure that their configuration of a lifeline solution with XSPlatforms products, meets the applicable standards and the customer's wishes. Read more about ODIN on page 14.



XSBending kit Pro (activated)



XSDynamic (activated)

# SINGLE ANCHOR POINTS

ANCHOR POINTS ARE PERMANENTLY INSTALLED TO THE SURFACE OF A STRUCTURE. XSPLATFORMS' FALL PROTECTION IS MODULAR IN NATURE, WHICH MEANS IT IS POSSIBLE TO EQUIP OUR ANCHOR POINTS WITH DIFFERENT COMPONENTS.

A user is attached directly to an anchor point by means of fall protection Personal Protective Equipment (PPE). XSPlatforms offers three kinds of attachment points for single anchor points:



The **XSGlobe** eye is a safety eye that can rotate 360°.



The **RAP Globe** is an anchor point designed for abseiling.



The **RAP** is an anchor point integrated in a lifeline system



## ANTI-PENDULUM ANCHORS

When the distance between a user and an anchor point, a railsystem or lifeline, increases, so does the length of a user's lanyard. If that user should fall, the lanyard will cause a big swing. This is called a swing fall, or a pendulum effect.

Anti-pendulum anchors are single anchor points positioned in areas where swing fall hazards exist. They are used in conjunction with another fall protection system. Users always remain anchored to the main fall protection system, but loop their lanyard through a safety hook which they attach to the anti-pendulum anchor. In this case, should a fall occur, the swing fall of the user will be minimized with less chance of injury due to the fall.



Temporary lifeline attached to a RAP

## TEMPORARY LIFELINES

A temporary horizontal lifeline can be placed between two anchor points to increase a user's freedom of movement. Although the application of a temporary lifeline is limited, this can be a suitable temporary solution which can be removed after the work is done.



### Temporary anchor line

A band whose length can be adjusted from 2 to a maximum of 20 meters



## WHY XSPLATFORMS SINGLE ANCHOR POINTS?

- > Suitable for almost all roof surfaces
- > Incredibly quick to install
- > Can be equipped with extra modules thanks to their modular nature
- > Can be combined with a temporary horizontal lifeline
- > Installed to prevent swing falls
- > Secures up to two users per anchor point

# ODIN: LIFELINE CALCULATION TOOL

AS A SAFETY ADVISOR, YOU ARE OBLIGATED TO PROVE THE LIFELINE SYSTEM YOU ARE OFFERING IS SAFE AND COMPLIES WITH THE APPLICABLE STANDARDS. THANKS TO ODIN, YOU AND YOUR CLIENTS ARE ENSURED THE LIFELINE SYSTEM COMPLIES WITH THE APPLICABLE STANDARD, WITHOUT HAVING TO RELY ON MANUAL CALCULATIONS.

Properly calculating a lifeline is complex, but mandatory. After all users have to be able to rely on the system to ensure their safety. Span length, the number of spans, maximum arresting force, initial deflection. These are just some of the variables that together, define the performance of a horizontal lifeline system. Because every project is unique, calculating each system can be a time-consuming activity. Not only that, by doing the math manually, you risk making miscalculations. In our vision, a situation in which user safety is dependent on manual calculations is unacceptable. That's why we invented ODIN.

## WHAT CAN ODIN DO?

ODIN automatically calculates the performance of a specific, custom lifeline configuration, based on a wealth of test data that XSPPlatforms has collected over the years. It then determines whether the system complies with the applicable standards.

## AN ODIN REPORT CONSISTS OF THREE MAIN SECTIONS:

1. **Calculation setup** - showing the project's variables and the standard to which it will be assessed.
2. **Results overview** – an overview of which criteria comply to the standard and which don't.
3. **Section results** - an extensive report on all tests and results (for experts).

**ODIN-TOOL.COM**



## DID YOU KNOW?

For exceptional projects, our in-house engineers can design custom-made solutions. XSPPlatforms is one of the few specialists with the expertise to develop custom solutions from scratch.

**ODIN**<sup>®</sup>  
*Lifeline calculation tool*

# LET'S BECOME PARTNERS



THERE ARE HUNDREDS OF XSPLATFORMS PARTNERS WORLDWIDE THAT BRING OUR CUTTING-EDGE SOLUTIONS TO CLIENTS IN THEIR RESPECTIVE MARKETS. TOGETHER, OUR PARTNERS CONSTITUTE A WORLDWIDE NETWORK OF INDUSTRY LEADERS, WHO ARE INVOLVED IN THE MOST GROUNDBREAKING PROJECTS AROUND THE WORLD.

## JOIN OUR PARTNER NETWORK TODAY

Contact [sales@xsplatforms.com](mailto:sales@xsplatforms.com) for an introduction, and to request our brochure. If you have any further questions about the support we provide, feel free to ask. We'll get you in touch with our nearest branch as soon as possible.

## PARTNER BENEFITS - WHAT'S IN IT FOR ME?

- ✓ **Expand your offer** with world class products for safe work at heights.
- ✓ **Request tailor-made support** that suits your particular needs.
- ✓ **Lead generation:** get direct sales opportunities delivered to your inbox.
- ✓ **Get new customers:** all the tools you need for great presentations.
- ✓ **Build your brand:** increased exposure with professional marketing tools.
- ✓ **Establish joint growth:** recognizing and seizing opportunities together.

## FROM A SALES REPRESENTATIVE OF XSPLATFORMS THE NETHERLANDS

XSPlatforms provides everything that is necessary to get people working at heights home safe. With innovative access-to-height solutions and with additional services pertaining to installation, maintenance, training and consultancy, we help our clients to create safe work environments at any height. We design premium solutions for facade access, fall protection, suspended platforms and scaffolding, engineered in the Netherlands. Quality is the mark of the XSPlatforms brand – the solutions in our offer are characterized by their attractive design, their reliability and their superior usability.



"WE HAVE BEEN WORKING WITH XSPLATFORMS FOR MORE THAN 10 YEARS NOW AND MAINLY INSTALL THEIR HORIZONTAL LIFELINE SYSTEMS AND PARAPET GUARDRAILS. XSPLATFORMS OFFER VERY SOLID MATERIALS AND A GOOD AND FAST SERVICE. THEY GIVE PROFESSIONAL SUPPORT AND PROPER AFTERCARE ON DIFFICULT PROJECTS."

- H.I.T.S. NV, Belgium



"OUR PARTNERSHIP WITH XSPLATFORMS IS A SUSTAINABLE AND PRODUCTIVE COLLABORATION THAT OFFERS US THE POSSIBILITY TO JOINTLY DEVELOP SUCCESSFUL PRODUCTS, MARKETING TOOLS, LEAD GENERATION AND AFTER-SALES ACTIVITIES."

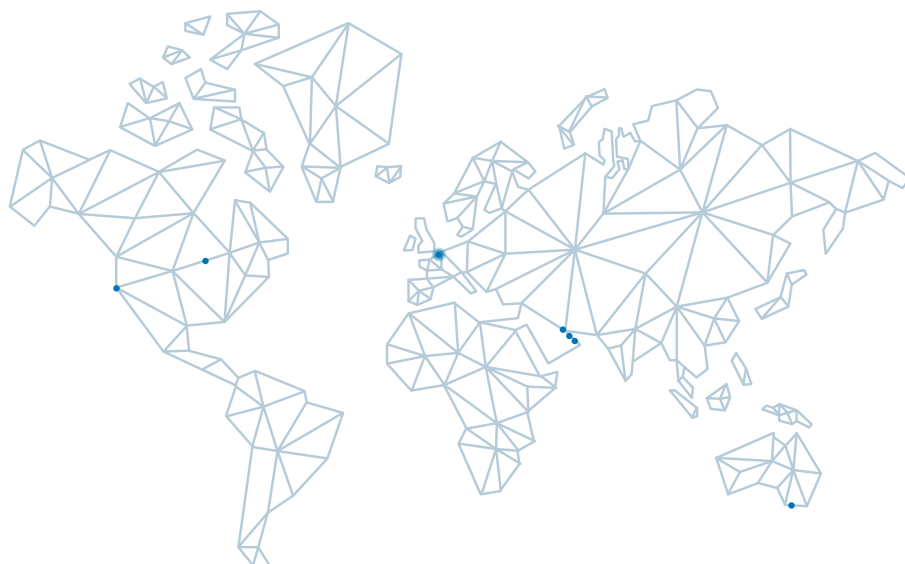
- SkySafe, The Netherlands

# ABOUT XSPLATFORMS WORK AT HEIGHT

In 1997, we began to provide safety equipment for people working on roofs in The Netherlands. At that time, safety was already more of a calling than business. Now, we are a rapidly growing international company that designs safety solutions for the most complex buildings in the world. We still have the same aspiration as we had when we started: to make working at heights safer and easier — for everyone, everywhere.

With innovative access-to-height solutions we provide everything that is necessary to get people working at height home safe.

Our product range consists of Facade Access Equipment, Fall Protection and Suspended Platform Systems.



## FIND US ON SOCIAL MEDIA

Stay in touch! Follow our social media for interesting articles and the latest news.



**For sales and inquiries contact our XSPlatforms Partner:**



**Bemo USA Corporation**  
1755 N. 48th Street  
Mesa, Arizona USA , 85205-1115

Phoenix: +1 480-545-7900  
National: 877-530-BEMO (2366)  
Fax: +1 480-545-4999

Email: [sales@BEMOUSA.com](mailto:sales@BEMOUSA.com)  
[techservices@BEMOUSA.com](mailto:techservices@BEMOUSA.com)

USA.XSPLATFORMS.COM

**XSPlatforms®**  
Work at Height

