

ROPE ACCESS

Technical solutions for access at height and façade maintenance



 **rothoblaas**
Solutions for Safety

ROPE ACCESS AS A METHOD

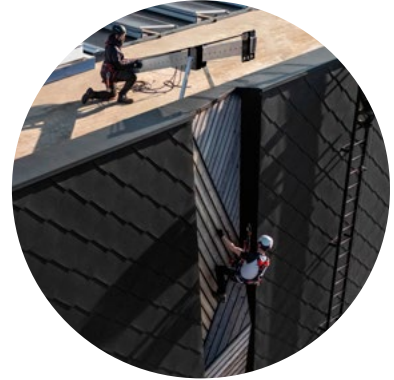
ROPE ACCESS SOLUTIONS

Rope access is a lightweight and efficient alternative to scaffolding and aerial platforms. It allows trained specialists to work safely on façades using ropes and harnesses.

Integrating rope access systems at the design stage ensures efficient maintenance even on complex structures, with minimal impact. This approach supports tailored operations for all maintenance needs.

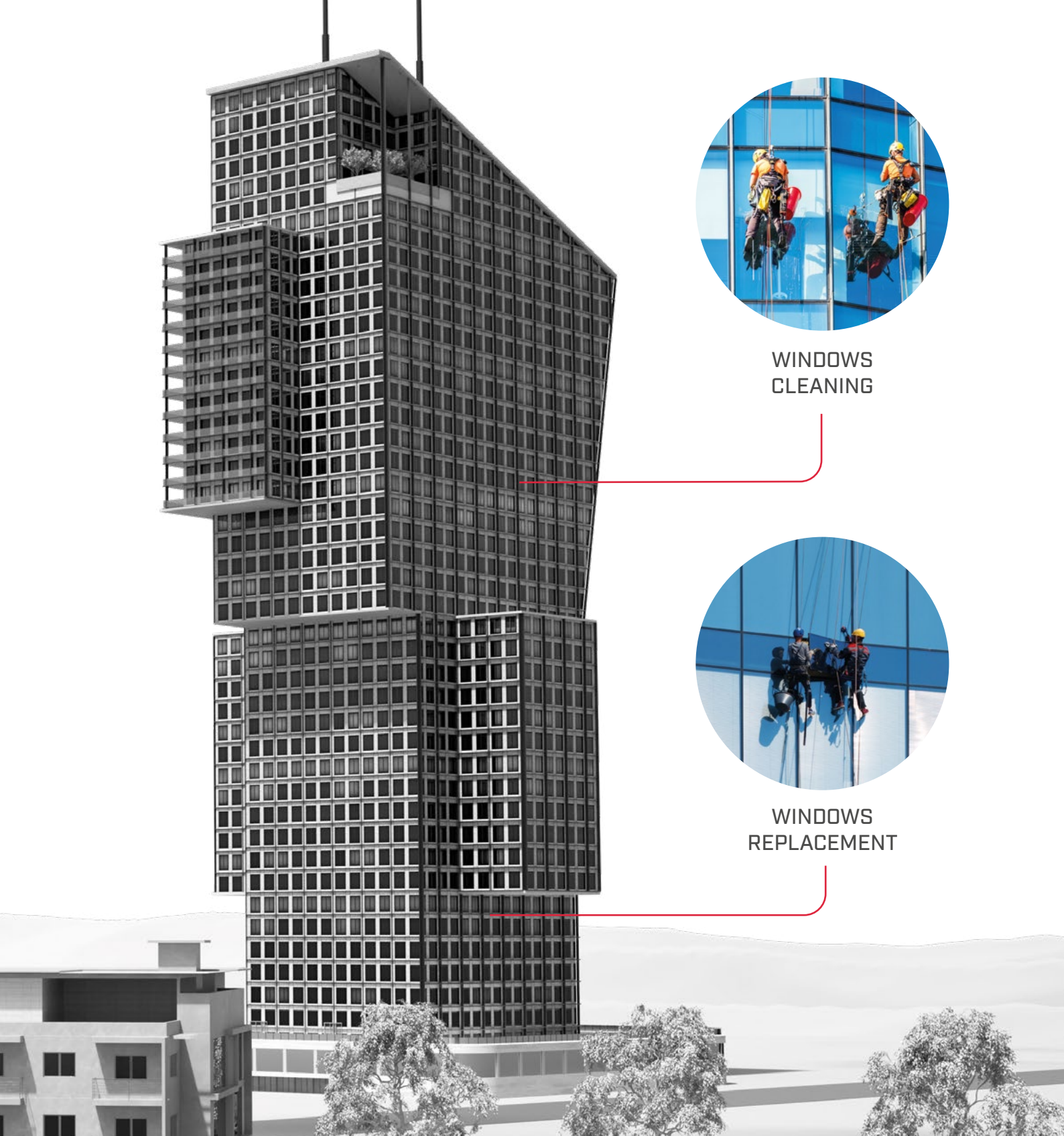


FAÇADE
MAINTENANCE



INSPECTION





**WINDOWS
CLEANING**



**WINDOWS
REPLACEMENT**

| WHAT YOU SHOULD KNOW

CONCEPT DESIGN

To guarantee efficiency, safety and long-term sustainability, it is essential to consider maintenance from the very first stages of design.

COORDINATION

Architects and designers need to carefully assess the technical and economic feasibility of façade access systems and integrate them into the overall project.

TECHNICAL DESIGN

For safe and effective suspended operations, the access system should be designed in collaboration with rope access specialists and structural engineers.

CONSTRUCTION

Permanent access systems can already be used during construction, allowing rope access operators to work without temporary solutions.

WHAT ARE THE ADVANTAGES OF ROPE ACCESS?

Rope access is an advanced method for façade access and maintenance: fast, safe and suitable for any building, with no impact on its architectural appearance.



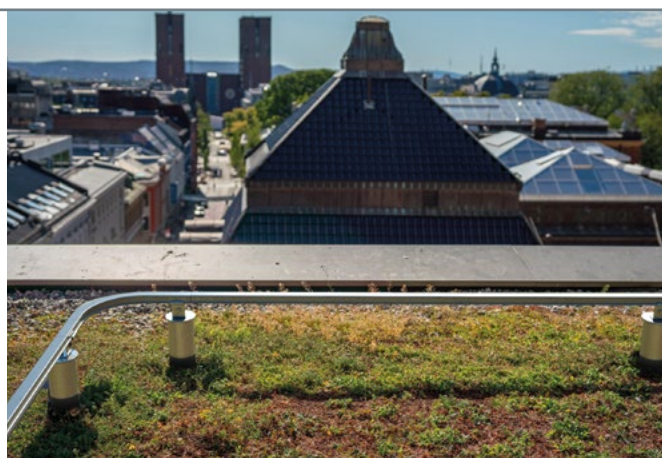
CUSTOM SOLUTIONS

Rope access is easy to design and integrates seamlessly into the building without the need for invasive works. It is also suitable for complex forms such as slanted walls and cantilevered structures.



AESTHETIC INTEGRATION

The system does not alter the visual perception of the building. Anchor points are discreet, barely visible and, in some cases, removable – ideal for historic buildings, continuous façades or settings characterised by high architectural value.



MAXIMUM FLEXIBILITY, MINIMUM IMPACT

Rope access enables rapid interventions – whether localised or large-scale – even in confined or hard-to-reach spaces. It does not require the occupation of public space or alterations to existing structures.





ECONOMIC ADVANTAGES

Rope access reduces costs compared with scaffolding and BMUs by eliminating the need for rentals, complex handling and the installation of heavy machinery. It requires less time and manpower, minimising indirect costs for the client such as downtime or restricted access.



SUSTAINABLE ADVANTAGE

As a lightweight, non-invasive method, rope access has a low environmental impact at every stage. Reduced logistics means less transport, lower emissions and a minimal site footprint, with clear benefits for safety and work organisation.

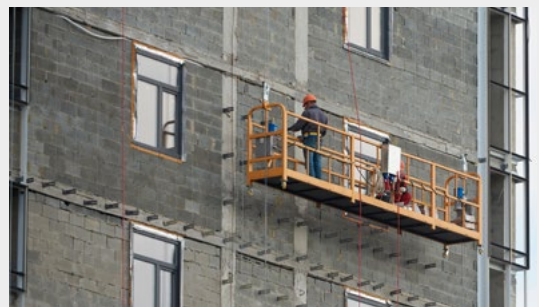


ROPE ACCESS: WHY IT OUTPERFORMS TRADITIONAL SYSTEMS



GENERAL FAÇADE REFURBISHMENT

The use of scaffoldings implicates renting costs and a huge visible impact.



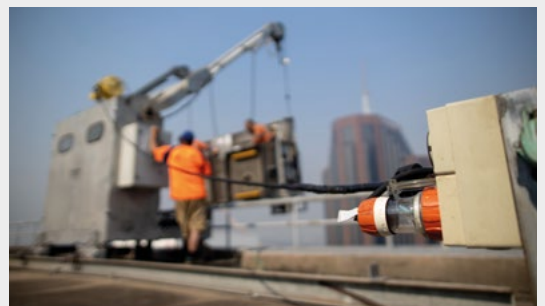
FAÇADE PLASTER REPAIR

Temporary BMUs are not always compatible with site conditions or with the building's morphology.



FAÇADE MAINTENANCE AND PAINTING

Temporary MEWP units are not consistently reliable or efficient, and in some cases they are used incorrectly.



FAÇADE MAINTENANCE

BMUs have a significant impact on architectural design. Concealing them within the building reduces usable space and impacts its commercial value.

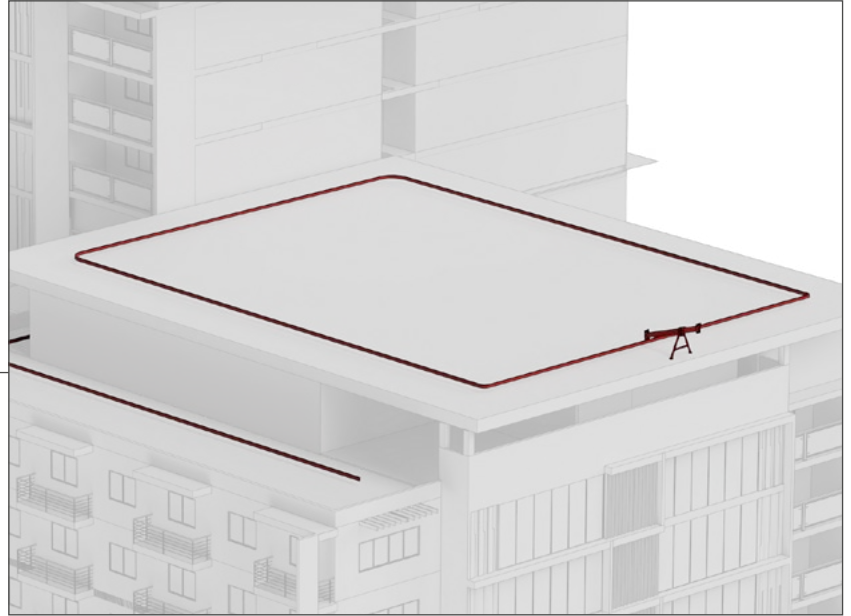
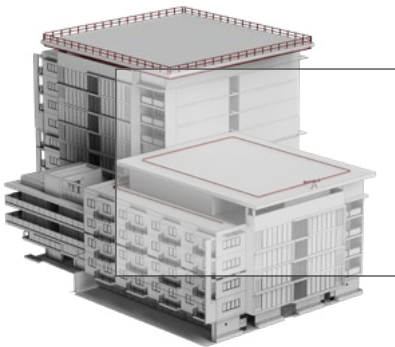
PROJECT PHASES

SAFE ACCESS, AS EARLY AS THE DESIGN STAGE

The choice of access system must be considered from the outset to avoid invasive or inefficient solutions once the building is complete. Architects, engineers and specialists work together to develop a safe, compliant solution suited to the project's requirements. Elements are integrated without aesthetic or structural compromise, delivering tangible time and cost benefits even during construction.

RESIDENTIAL BUILDING

For residential buildings with flat roofs and vertical façades, rope access offers a practical and efficient alternative to scaffolding, platforms and cranes.



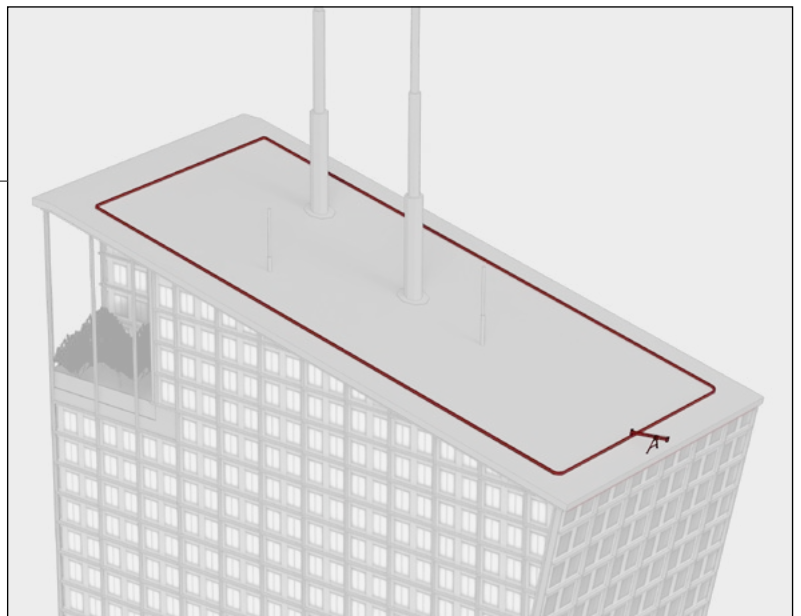
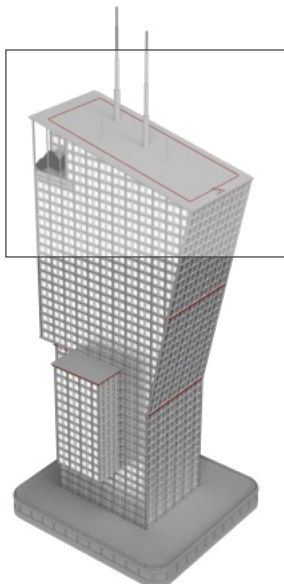
BUILDING

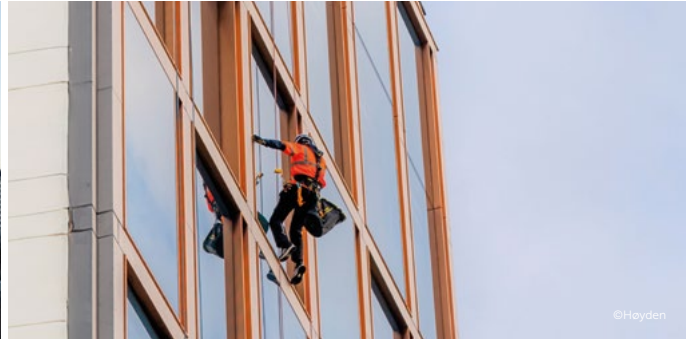
RESIDENTIAL

COMMERCIAL

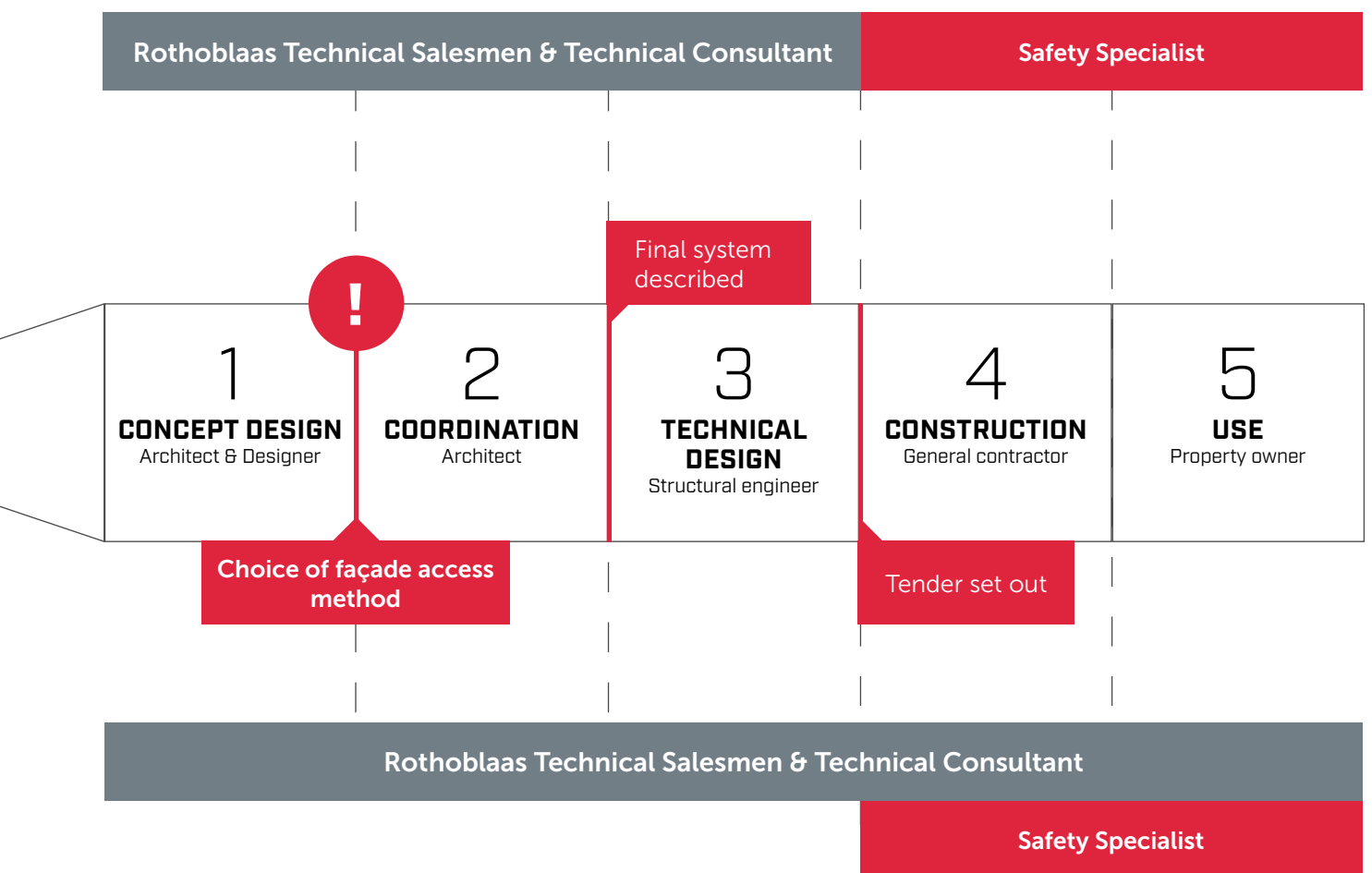
COMMERCIAL BUILDING

For commercial buildings with complex forms or hard-to-reach surfaces, rope access enables comprehensive maintenance without the need for bulky systems.





EXAMPLE IN RESIDENTIAL BUILDING



Rothoblaas Technical Salesmen & Technical Consultant

Safety Specialist

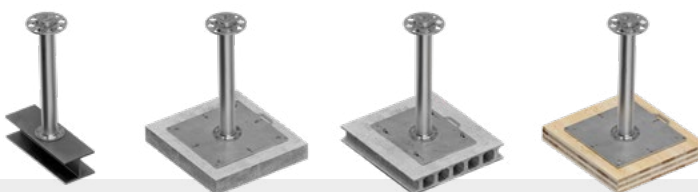
EXAMPLE IN COMMERCIAL BUILDING



PRODUCTS AND SYSTEMS FOR ROPE ACCESS

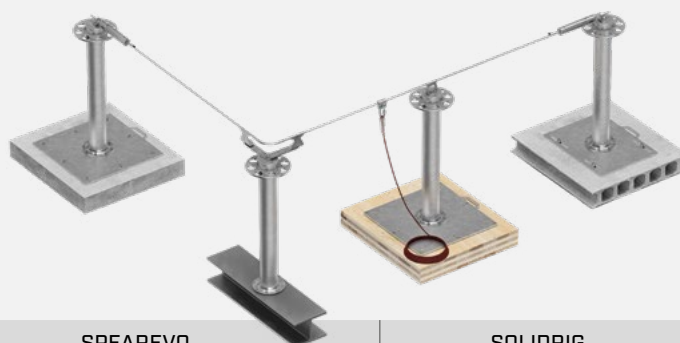
SOLID

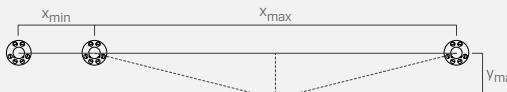
RIGID ANCHOR POINT FOR
ROPE ACCESS WORK

					
SOLIDRIG					
EN 795:2012 A	CEN/TS 16415:2013	UNI 11578:2015 A	BS 8610:2017 A3/A5	AS/NZS 5532:2013	ANSI* Z359.18 - 2017 A
					

PATROL + SOLID

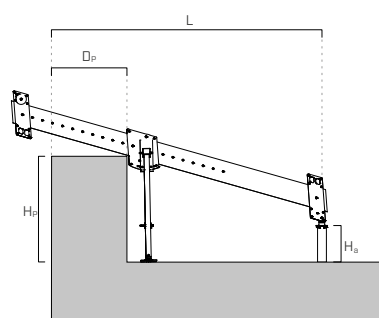
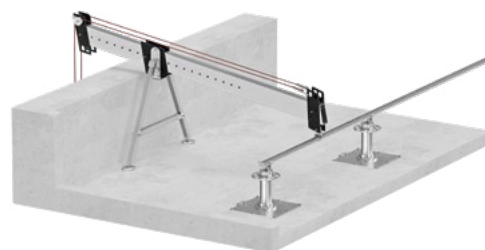
LIFELINE ON RIGID SUPPORT FOR
ROPE ACCESS WORK



		SPEAREVO					SOLIDRIG		
		EN 795:2012 C	CEN/TS 16415:2013	UNI 11578:2015 C	AS/NZS 1891.4:2009	AS/NZS 1891.2:2001	BS 8610:2017 A3/A5	AS/NZS 5532:2013	ANSI* Z359.18 - 2017 A
users	no.								
work method		fall protection/restraint					suspension		
minimum span	x_{min} [m]	2					-		-
maximum span	x_{max} [m]	15					-		-
maximum deflection	y_{max} [m]	3,35					-		-

C-LEVER

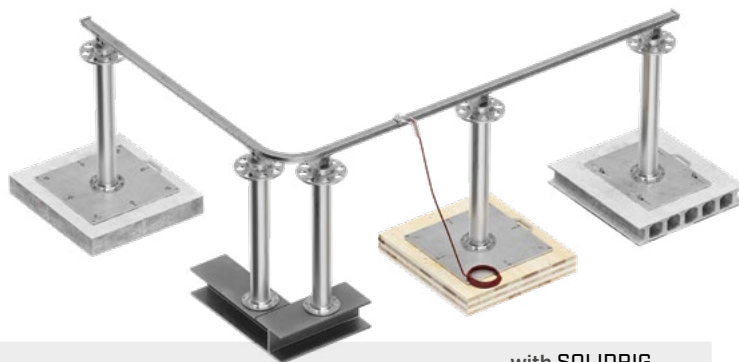
DIVERSION SYSTEM FOR ROPE ACCESS AND
FAÇADE WORK



recommended dimensions for use		
anchor-to-façade distance	L [mm] [in]	1700 - 2700 66 15/16 - 106 5/16
railing height	H _p [mm] [in]	up to 1000 up to 39 3/8
railing thickness	D _p [mm] [in]	up to 800 up to 31 1/2
anchor height	H _a [mm] [in]	300 - 500 11 3/4 - 19 3/4

H-RAIL + SOLID

RAIL SYSTEM ON RIGID SUPPORT FOR ROPE ACCESS WORK



with SOLIDRIG

			EN 795:2012 D	CEN/TS 16415:2013	UNI 11578:2015 D	AS/NZS 1891.2:2001	AS/NZS 1891.4:2009	BS 8610:2017 03-05	AS/NZS 5532:2013	BS 8610:2017 A3/A5	ANSI* Z359.18 -2017 A
	suspension										
users (system)	no.		🧑🧑🧑🧑			N.A.		🧑		🧑🧑	🧑
users (span)	no.		🧑🧑			🧑🧑		🧑	-	-	-
maximum span	x_{max} [m]		2			2		2	-	-	-

H-RAIL OVERHEAD

HORIZONTAL OVERHEAD RAIL SYSTEM



			EN 795:2012 D	CEN/TS 16415:2013	UNI 11578:2015 D	AS/NZS 1891.2:2001	AS/NZS 1891.4:2009	BS 8610:2017 03 - 05
	suspension							
users (system)	no.		🧑🧑🧑🧑			N.A.		🧑
users (span)	no.		🧑🧑			🧑🧑		🧑
maximum span	x_{max} [m]		2			2		2

H-RAIL ON WALL

HORIZONTAL WALL-MOUNTED RAIL SYSTEM



			EN 795:2012 D	CEN/TS 16415:2013	UNI 11578:2015 D	AS/NZS 1891.2:2001	AS/NZS 1891.4:2009	BS 8610:2017 03 - 05
	suspension							
users (system)	no.		🧑🧑🧑🧑			N.A.		🧑
users (span)	no.		🧑🧑			🧑🧑		🧑
maximum span	x_{max} [m]		2			2		2

WING

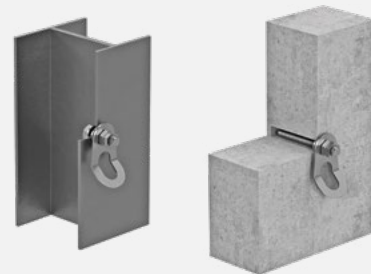
ANCHOR POINT FOR ROPE ACCESS WORK



CODE	material	colour		d ₁ [mm] [in]	B [mm] [in]	H [mm] [in]	L [mm] [in]	pcs	
WING	S355J2 - zinc plated Fe/Zn 12μ + powder coated (RAL7032-grey)	grey	S355 Fe/Zn12c	17 0.67	65 2 9/16	56 2 3/16	115 4 1/2	1	
WINGY	S355J2 - zinc plated Fe/Zn 12μ + powder coated (RAL1016-yellow)	yellow							
WINGA4	AISI 316L stainless steel grade 1.4404	grey	A4 AISI 316	17 0.67	65 2 9/16	56 2 3/16	115 4 1/2	1	

AOSWS

ANCHOR POINT FOR WORK AT HEIGHT



CODE	material		d ₁ [mm] [in]	B [mm] [in]	L [mm] [in]	pcs	
AOSWS	AISI 304 stainless steel grade 1.4301	A2 AISI 304	17 0.67	60 2 3/8	98 3 7/8	1	
AOSWSA4	AISI 316 stainless steel grade 1.4401	A4 AISI 316	17 0.67	60 2 3/8	98 3 7/8	1	

PPE - PERSONAL PROTECTIVE EQUIPMENT



HERO

Helmet for work
at height, on
construction site or
in industrial areas



OLYMPIA

Full professional
harness for rope
access work



TOOLGRAB

Fall protection
for tools



EDGEPRO

Light aluminium
alloy roller for rope
movement



PLANK

Seat for extended
suspension work

FALL PROTECTION SYSTEMS AND PROTECTIVE EQUIPMENT

The catalogue is full of innovative solutions and tools to make the work of security professionals easier. **Download it from our website or ask your agent for a copy!**



A man wearing a black jacket, safety glasses, and a helmet is working on a test bench. He is holding a yellow and blue rope that is attached to a red bucket. The test bench is made of black metal and has various cables and connectors. The background is a wooden wall.

We test your safety, so you don't have to

At "Laboratorio Gravità", our in-house testing facility, we rigorously test vertical and horizontal fall protection systems, including fastenings. Our CE-certified test bench speeds up product development and ensures that every fall protection system undergoes strict testing before reaching the market.

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Solutions for Safety

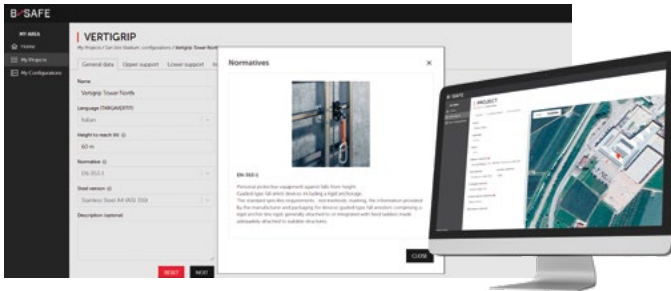
ROPE ACCESS 111



TECHNICAL ASSISTANCE

Get maximum efficiency and performance from Rothoblaas solutions: a team of highly qualified technical consultants is always at the disposal of designers, technicians and installers.

- Consulting and checks for personal protective equipment
- Assistance for positioning and assembly of lifelines
- Technical documentation
- Accompanying certification
- Reference to standards



B-SAFE CONFIGURATOR

The multifunctional Rothoblaas portal allows:

- Configuration and calculation of fall protection systems
- Calculation of anchor loads and cable deflection
- Practical management of technical documentation and bill of materials



Subscribe to our Youtube channel and stay updated on Rothoblaas products and news.

**DON'T FORGET
TO ACTIVATE THE
NOTIFICATIONS!**



ONLINE RESOURCES

- Building Information Modelling (BIM) on ProLib
- CAD files and specification items available on our website



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