

HAKI

Scaffolding systems and safety solutions





HAKI

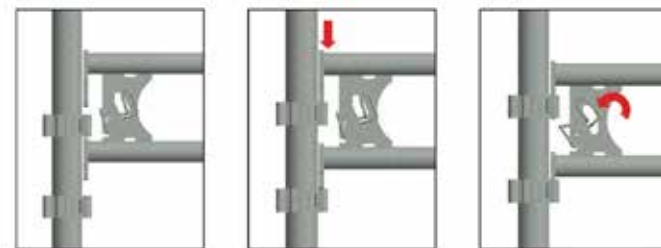
HAKI is one of several brands within the HAKI Safety Group, whose vision is to create safe conditions for everyone working in demanding environments.

The offering includes a wide range of products and solutions in scaffolding systems and workplace safety, as well as digital and technical solutions — all designed to help customers achieve safety and efficiency in their various environments. You can trust that safety is an integral part of our operations, from production to finished solutions.

All HAKI systems provide easy assembly and great durability, which will save both time and money.

With productivity and efficiency at the heart, our focus on safety remains steadfast in everything we do.

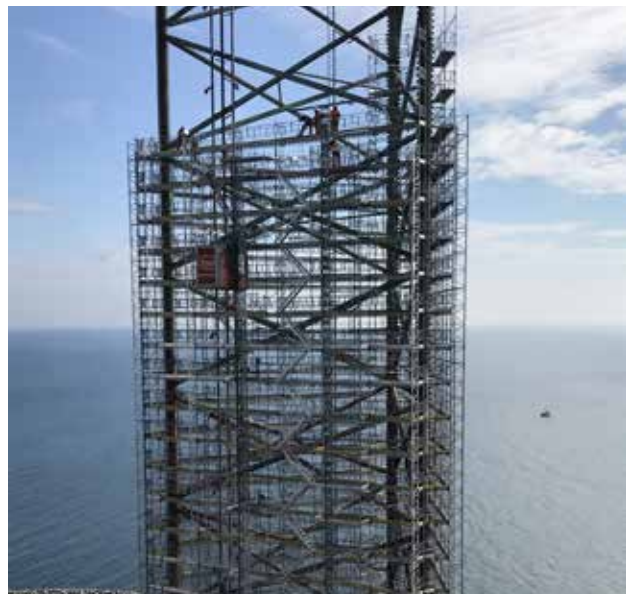
Our motto is: We never compromise on safety.



Safe systems of work are an integral part of all HAKI products. Innovative design enables work to be carried out safely and maintaining efficiency.

These benefits have been maximised by our customers in:

- Infrastructure projects
- Energy
- Industry
- Building and construction

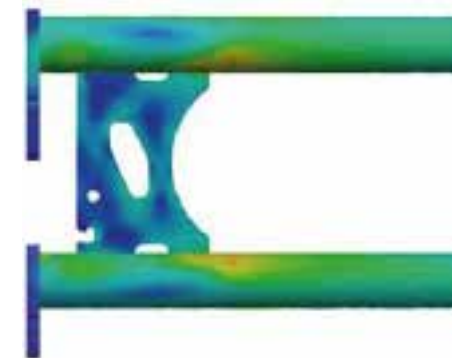


Manufacturing and Quality Control

HAKI manufactures scaffolding and weather protection systems in high-strength steel or aluminium. With state of the art manufacturing systems HAKI can deliver a high volume of precisely manufactured components. Consistent high quality is assured by traceability from the raw material to the finished product.

Products are regularly tested to ensure they maintain the high strength and durability to withstand the tough environments such as offshore, chemical facilities and nuclear stations.

- Batch testing of pockets to > 5,000kg
- Type approval by RISE, an independent government research institute
- In accordance with EN 12810-1
- ISO 9001 and 14001 certified
- Product certifications in local markets
- 2 year product warranty



Sustainability

HAKI creates the conditions for safe working environments that build the sustainable homes and urban environments of the future.

Sustainability is at the heart of our business. We focus our efforts on the areas where we operate and where we believe we can make the greatest impact. We aim to provide safe and healthy working conditions, play a role in environmental development and be a role model for high ethics and equality in our industry. Our sustainability strategy focuses on three main commitments:

- A leader in safety
- A partner that takes environmental responsibility
- A responsible company



Product development

HAKI components are designed using Finite Element Method (FEM) which is used to study strength. This accurately simulates the behaviour of systems with flexible parts to ensure strength is maintained throughout the product.

HAKI continuously works with its partners and customers to develop the new and existing product range to meet the evolving and demanding requirements of the industrial and construction industries. All new innovations are designed with compatibility in mind to increase the utilisation of existing stock.





Customer support and training

When you choose HAKI, you get more than just our products. As a long-term partner, we are committed to helping you achieve maximum safety, efficiency and profitability throughout your project.

We offer our expertise so that you can achieve maximum safety, productivity and flexibility in every project. Our high standard of service ensures that products are integrated into daily operations, maximising your investment.

Forming strategic partnerships, HAKI understands the client demands and expectations and help its customers exceed them.

Training is delivered onsite, at our own facilities, and through selected training partners in regions across the world.

Among other things, our experts can help you with:

- Project drawings in 2D/3D
- Sizing of scaffolding, weather protection etc.
- Material specifications
- Design calculations
- Calculation reports
- Problem solving on site
- Assembly instructions
- General technical advice

HAKI Building Information Modelling (BIM)

Reduce costs, time and improve project management in temporary works with the HAKI Building Information Modelling (BIM) plugins to Autodesk Revit. The HAKI Scaffolding and HAKI Edge plugins are specifically developed for designers and engineers, to speed up the design process for complex projects and reduce lead times for clients.

HAKI Edge contains components to create detailed 3D models of our barrier system and is a complement to the existing HAKI Scaffolding plugin containing our scaffolding, bridge and stair systems.

HAKI Lasco

Lasco is a unique tool for scaffolders that changes the way we plan scaffolding designs.

With a focus on ease of use, where the intuitive interface simplifies the planning phase in an efficient and clear way, we have taken into account the needs of scaffolders and created a versatile tool that is easy, scalable and safe.

Lasco is built on the scaffolder's logic where you can easily and scalably create realistic and full-scale 3D visualisations scaffolding.

Whether you start from scratch or use existing 2D or 3D drawings in PDF-format, you can build customised scaffolds as well as mix modules from different HAKI systems to accurately reflect your project.



Thanks to the integration of the Unity game engine into the tool, you will also be able to share and collaborate with others on the same project, providing unique flexibility.

Lasco's smart feature gives you simple calculations for designs so you can keep an eye on stability. You can see every single component of the scaffolding and when you're done, you get a complete list of the materials needed. Simple calculations and bills of materials minimise errors and redundancies.

When you're done with your project, simply export it in BOM or a print-friendly drawing format.

LASCO
Intuitive scaffolding
design for all

Easy, scalable, safe

User-friendly and flexible

Increased safety with
simple calculations



HAKI 3D-scanner

For projects where complete blueprints are not available, HAKI's 3D scanner, Trimble X7 3D, allows users to efficiently convert buildings into digital 3D models that are 99.99% accurate.

The system is also fully integrated with HAKI's digital design tools, making it quick and easy to create and import detailed 3D models.

- Precise outputs
- Automated calibration
- Waterproof construction



HAKI Universal

Safety

With the benefit of training, all users of HAKI products including designers, estimators, H&S professionals as well as scaffolders, can be assured that the equipment is being employed safely and effectively.

All products are supplied with user manuals showing the safest and most effective method for erection.

- Without safety there is no product
- Safe systems of work are an integral part of all HAKI products.

The unique, yet simple to use, Advanced Guard Rail tool allows HAKI Universal guard frames to be fitted from a safe position.



Adaptability

Close platform access to the workplace at all point of a structure. Use of the load bearing ledger beam in conjunction with the beam rider allows the system to be adaptable even when providing access in the most challenging of structures.

Returns and in-fills are created with few components and in minimal time.

- Fewer components
- Faster connections

BASIC COMPONENTS

Base Jack
Standard S
Ledger Beam LBL
Single Tube Beam ERB
Guardrail Frame GFL
Beam Rider
Steel Deck

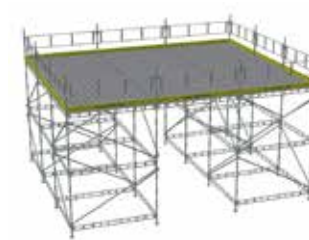


Independent



Fast and efficient erection. Permanent guard frames fitted prior to accessing the platform.

Birdcage



Heavy-duty scaffolds created with few components.

Suspended



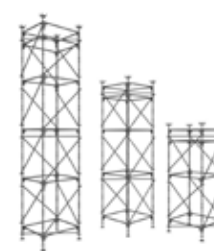
Scaffolds created from behind a permanent guard frame at all times.

Circular



Safe and simple ways to erect a circular scaffold using key components.

Shoring



Mainly used to support heavy loads and distribute pressure during construction works.

Mobile Tower



Adaptable system to suit all types of projects.

Productivity

The HAKI system is an effective way to reduce programme schedules.

HAKI components are lighter and there are fewer needed for the scaffold. This reduces the manual handling, reduces the amount of connections required and therefore reduces the time taken to erect and dismantle.

With the versatility of the beam rider, larger bay sizes can be used increasing productivity even on projects with complicated designs.

The Advanced Guard Rail tool and 'Hook-on' product design with patented locking catch keep projects moving, delivering access safely and quickly.



Expert Design

HAKI's ledger beam is significantly stronger than the corresponding component in other systems.

HAKI system can support many types of decking – steel planks, timber boards, aluminium planks, and client own decking. No additional components are required to fit the timber boards and the HAKI planks are fitted with an integral locking system to prevent the planks from lifting.

Components from HAKI's scaffolding systems can also be used in HAKI Stair Tower and HAKITEC weather protection systems.

HAKITEC



Weather Protection

The unique HAKITEC 750 beam design incorporates a lacing and bracing system for quick and simple erection and dismantling. The rolling roof enables coverage over a larger site following the project as each section is completed.

The HAKITEC roll-out method of roof erection removes the need for scaffolders to venture onto the roof truss. All scaffold erection and sheeting is conducted from secure guarded platforms.

As with all HAKI products, the components can be utilised in multiple applications. The HAKITEC 750 beam is particularly effective in suspended scaffold structures.



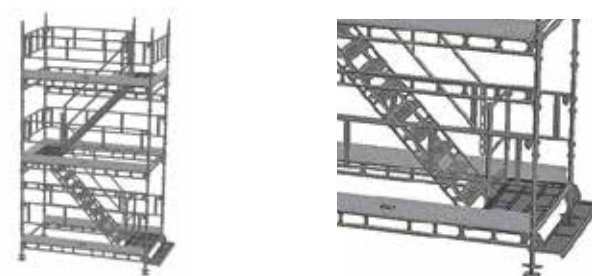
HAKI Stair Tower



Stair towers provide a safe and quick access and egress to the workplace. The modular design and lighter components make the stairs quick and simple to erect.

- Public access stairs
- Double width stair flights
- Multiple exit points

All stairs are compatible with HAKI Universal and tube and fittings and with other systems. Stairs can be erected off-site and crane lifted onto sites where space is limited.



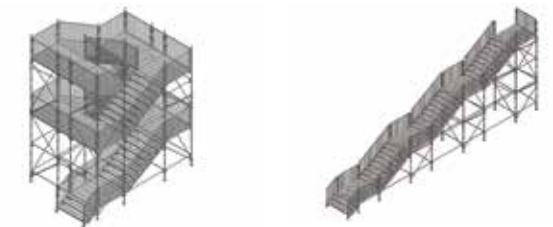
HAKI Public Access Stair



HAKI PAS (Public Access Stair) is a strong, safe and comprehensive solution for temporary public stairs.

- It is ideal for the public but also for professionals as well as emergency exits.
- Loadings up to 7,5 kN/m².
- Up to 2.5m stair widths to suit any application.
- Solid steel decking with an anti-slip surface and child-proof adjustable handrails.
- Unique locking systems prevent unintentional loosening of components.

PAS utilises many of the main components of HAKI Universal - base jacks, standards, diagonal braces, ledgers and landings. The stair stringers and handrails are specially designed for use on a Public Access Stair. PAS also fits well with the HAKI Bridge System.



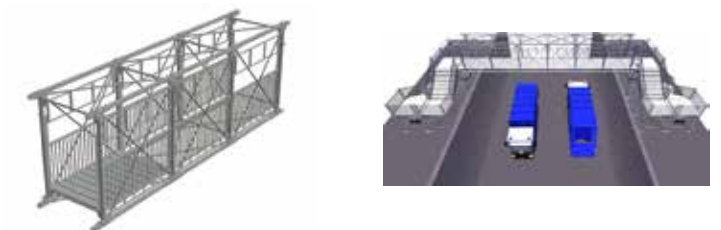
HAKI Bridge System



The versatile bridge system is designed to be used as a temporary public footbridge for projects involving temporary railway, road or river crossings - or to act as a beam structure to support other structures such as scaffolding or temporary roofs. The HBS may be constructed:

- On a temporary scaffold at ground level, then lifted into place.
- On a temporary scaffold at finished level.
- By a progressive 'roll-out' method.

The HBS incorporates the use of HAKI Universal system components including single ledgers, ledger beams, and guardrail frames. The handrails are specially designed for use on a HBS and PAS system.



HAKI Frame



HAKI Frame is a fast-assembled and safe aluminium frame scaffold with extremely few basic components and simple designs that can be further built-on as needed.

The smart construction with fast-assembled frames and guardrail frames that do not require diagonal bracing means that the scaffold is quickly in place. Perfect for simpler jobs such as renovation, plastering and painting.

- Can be built as a tower
- Flexible for total renovation and balcony work
- Perfect for facade cladding and window work

The scaffolding is very flexible and can easily be adapted to different types of jobs. The accessory makes it possible to reach even difficult places such as roof overhangs and bay windows. The HAKI Frame is a robust scaffold that can withstand widespread loads of 200 kg/m², yet weighs relatively little and is easy to transport, assemble and disassemble.



HAKI Bespoke Platforms



Suspended Platform System

For safety and speed suspended platforms can be installed using the HAKITEC 750 beams or using HAKI Universal scaffolding and suspension devices.

Our innovative scaffolding system allows scaffold to be suspended from a 'scaffolder safe zone', using collective measures – minimising the danger of falls in high-risk environments.

TechniSpan System

HAKI TechniSpan provides an innovative engineered access solution for the replacement of traditional under-deck and suspended scaffolds, while offering interconnection compatibility to all main scaffolding systems. The adaptable modules are designed to accommodate piers, bearings, arches, trusses, soffits, suspension cables, hangers and other challenging obstacles.

HAKI Fall Protection



In our range of high-quality fall protection and safety products designed to provide the highest possible level of safety at height, we include edge protection solutions, access solutions, and workplace safety systems for purposes such as:

- Protection against falling materials
- Protecting personnel
- Ensuring safety on construction sites

Safety standards are our top priority, and our focus is to help every customer achieve the goal of injury- and accident-free workplaces. We offer the following innovative solutions to address our partners' challenges on site through:

- Edge protection solutions
- Access solutions
- Workplace safety
- Elebia® Lifting



HAKI Mobile Fences



Our mobile fence systems are used across a wide range of areas — from temporary safety solutions on construction sites to various types of events, such as international sports competitions.

We offer a broad selection of fences in different lengths to suit diverse needs and applications. Some advantages of our mobile construction fences include:

- Easy assembly
- Lightweight transport
- Efficient and durable design
- Flexible package solutions

Our construction fences are equipped with robust bases that provide stable placement while protecting the surface underneath.



HAKI Safety

HAKI Safety is an international industrial Group, focusing on safety products and solutions that create safe working conditions for everyone working in challenging environments.

The majority of HAKI Safety's products are marketed under the HAKI brand. The Group also includes the brands EKRO, Semmco, Norgeodesi, and Trimtec.

The Group operates within three areas:

- Work Zone Safety: catchfans, barrier systems, fall protection, access platforms, stairs, etc.
- Scaffolding Systems: system and frame scaffolding, weather protection, stair solutions, etc.
- Digital and technical solutions

HAKI Safety has approximately 400 employees in ten countries and has annual sales of just over SEK 1 billion. The products are developed, manufactured and sold to customers active in infrastructure, energy, industry, aviation, rail and construction and civil engineering, mainly in Europe and North America. The Group has been listed on Nasdaq Stockholm Small Cap since 1989.



HAKI has a complete range of scaffolding systems and safety solutions for temporary workplaces



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