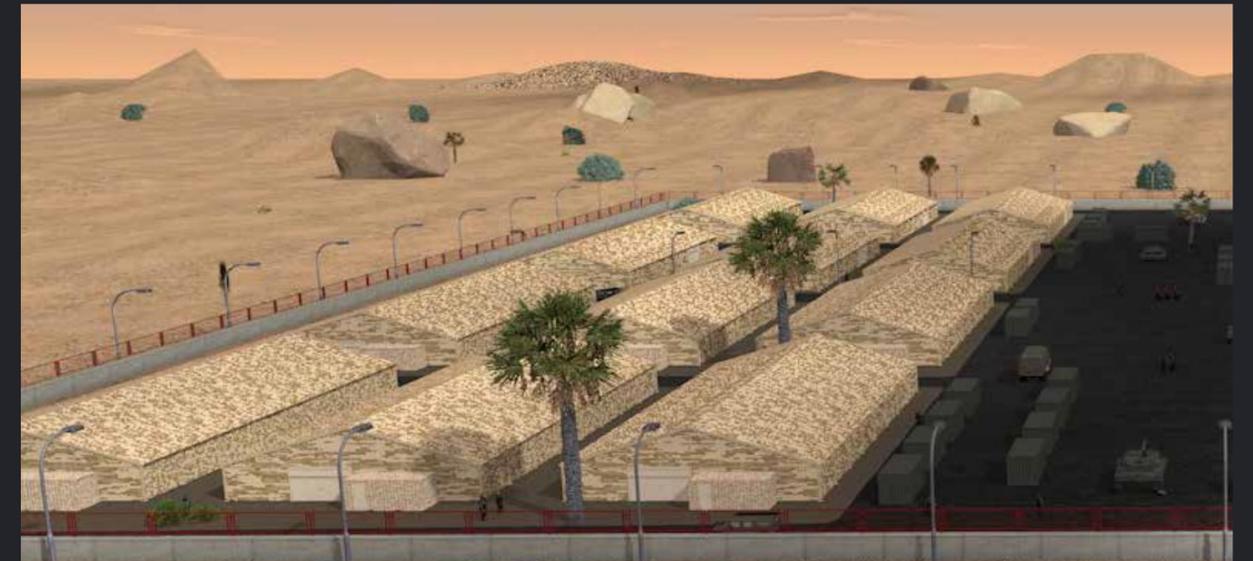


MOBILE CONSTRUCTIONS FOR MILITARY DEPLOYMENT

**RAPIDLY INSTALLED
AND FUNCTIONAL
FOR ALL
APPLICATIONS**



Global Reach



**MADE IN
GERMANY**



4

Production Facilities

23

Sales Offices

32

Countries

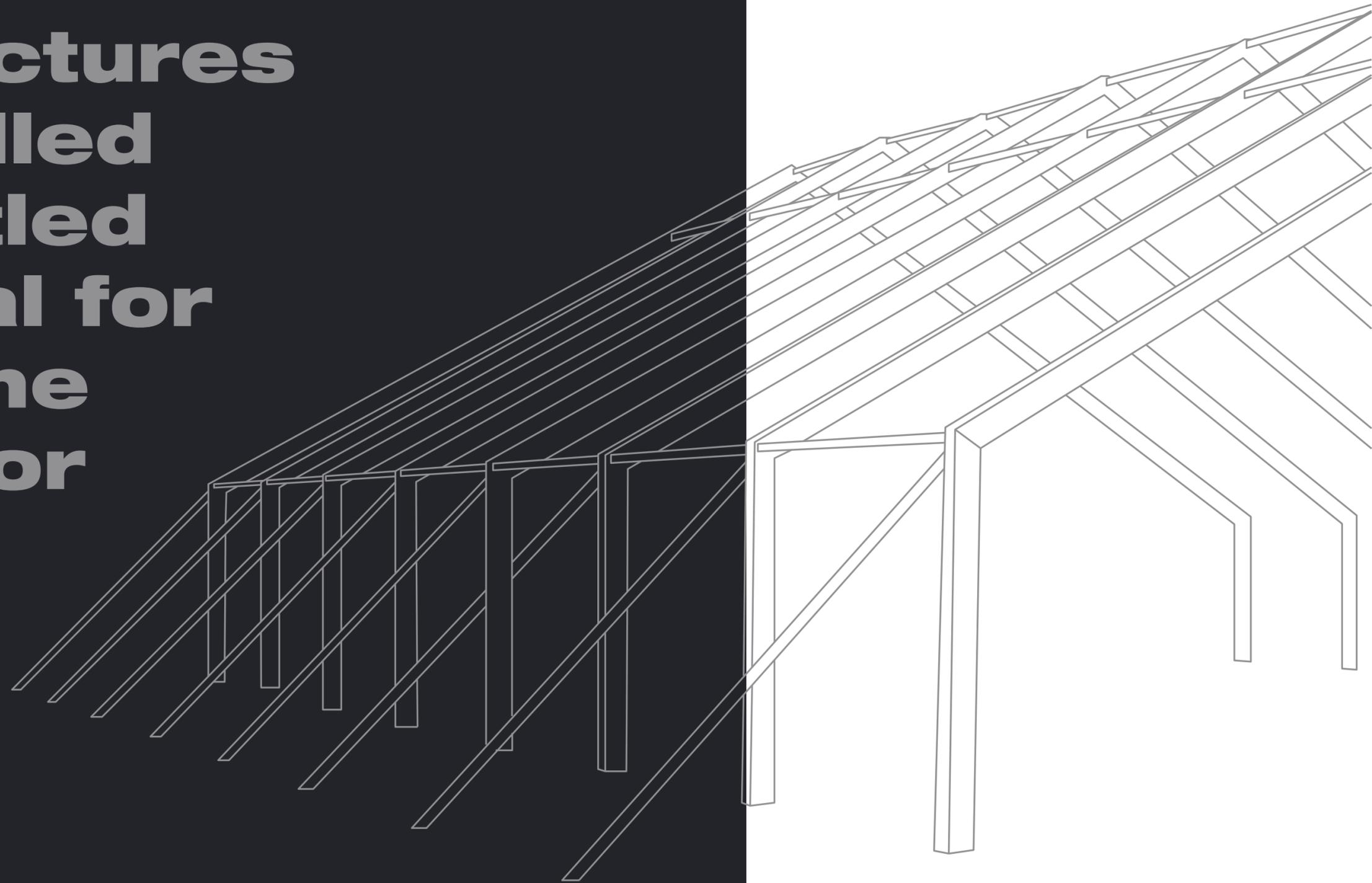
RÖDER Group is part of:



The RÖDER Group is internationally renowned for its durable and versatile tent and hall systems. Its range includes individual solutions for all industries: from flexible storage and logistics halls up to complex infrastructure solutions for manufacturing and production.

Our trusted and durable structures can be installed and dismantled quickly, ideal for use within the military sector

Innovative constructions provide excellent static values and allow high wind and snow loads, applicable under almost all climatic conditions. Thanks to their light but robust materials, modular design and quick and easy installation on almost any surface under almost any climatic conditions, RODER constructions are the best choice for military applications.



RODER military

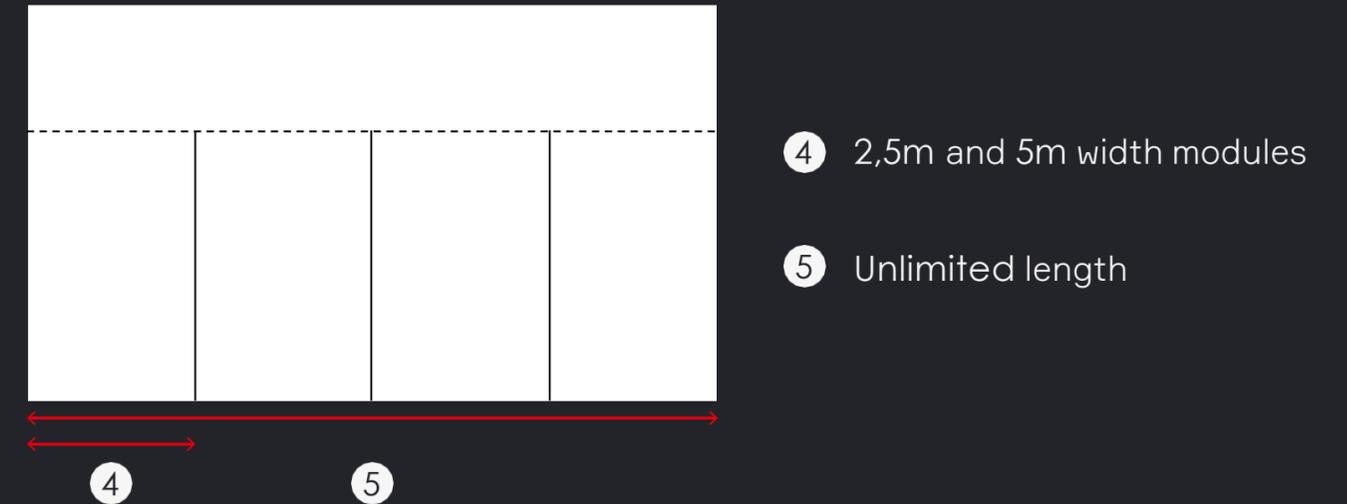
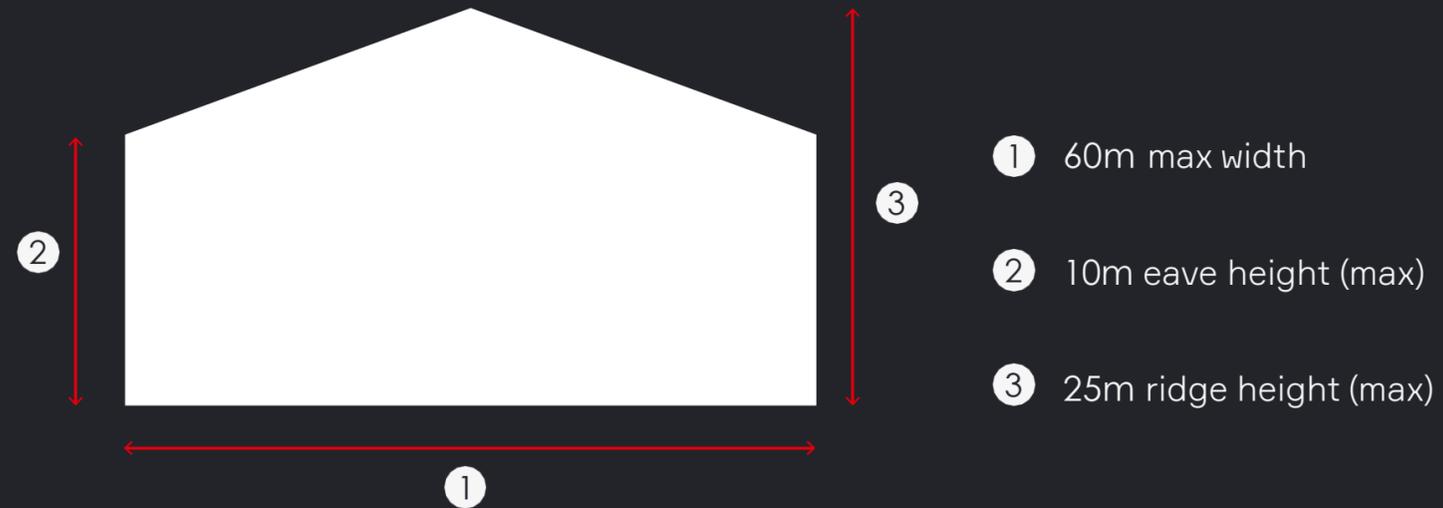
In the defense & security sector, RODER is the specialist for highly mobile, temporary or permanent tent and hall solutions. Our products have been the first choice for disaster, military and relief operations worldwide for decades. An effective military operation is characterized by speed and efficiency. RODER military halls allow a complete base to be erected, restructured and relocated quickly and easily under a wide variety of climatic conditions. Innovative constructions provide excellent static values and allow high wind and snow loads.

The possible applications range from lightweight mobile SAS-tents as fast field camp sluices to perfectly equipped tents and halls as accommodation units, training and classrooms, hospitals, canteens, conference rooms or sports halls. Industrial halls can be used as vehicle fleet maintenance areas and temporary storage facilities.



Our Capabilities

- floors, doors and gates
- air-conditioning, heating and lighting
- individual tarpaulin colors adapted to the environment
- complete interior equipment



1/2 the cost

of traditional building construction. Long lasting materials mean little to no maintenance cost.

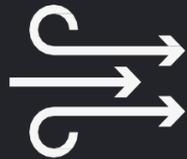
1/20m space

required for storage or shipping. Lightweight components mean simpler, space saving transportation.

20+

lifespan created by using our sustainable materials and non corrosive aluminium that creates a long lasting structural solution.

Weather Proof



200km/H

wind load resistance



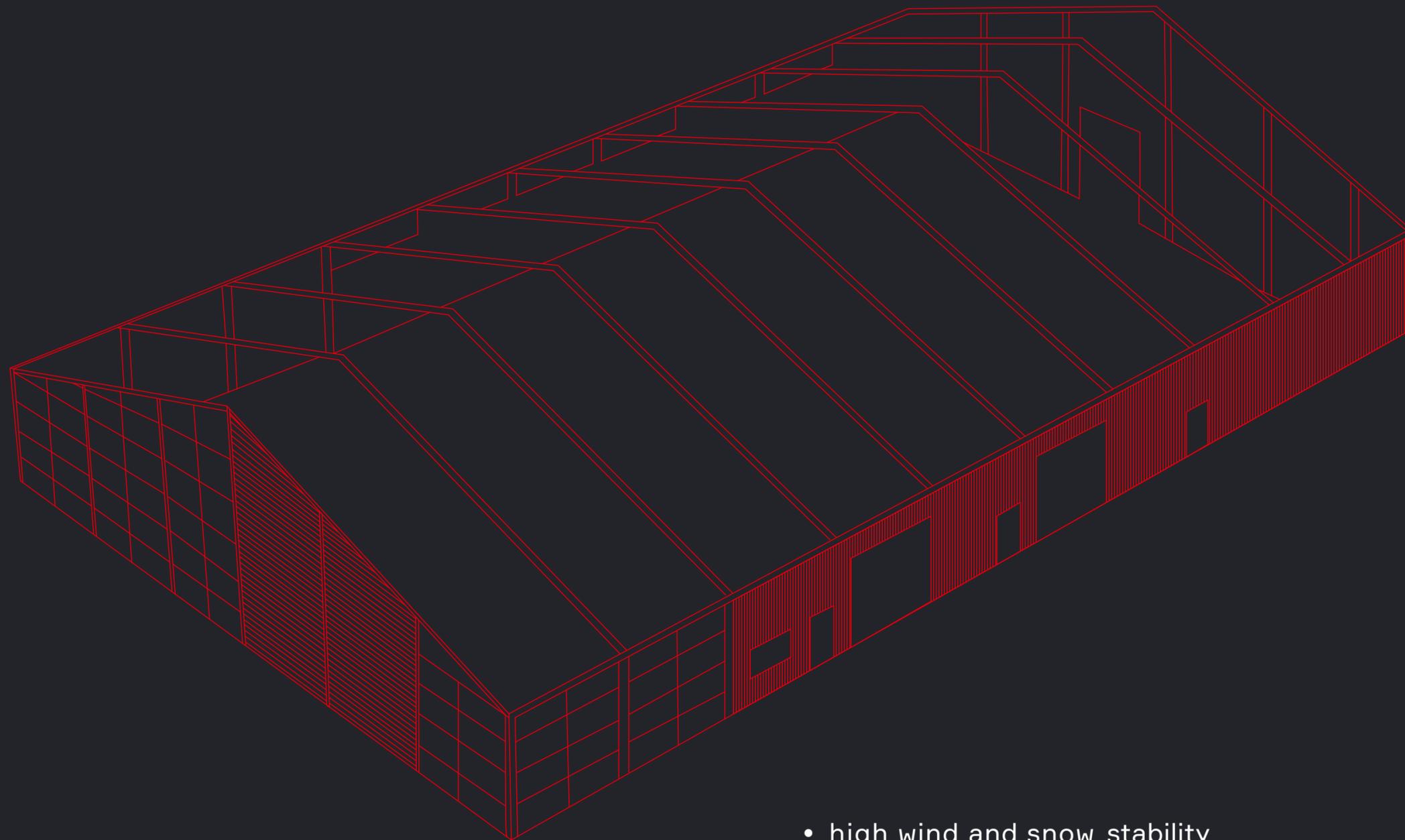
-50 +50

operating temperatures



95%

reusable elements when relocated



- high wind and snow stability
- water impermeability
- different possibilities of light transmittance
- insulation options
- safety

Application possibilities



Aircraft and helicopter hangars



Crew accommodation



Mobile tent camps



Maintenance and repair rooms

The innovative RODER tent and hall systems offer a wide range of applications for the air force, army and navy and are perfectly adapted to the demands of military operations.

A relocation, or an extension of the constructions or a transition from temporary to permanent construction are possible without any problems.



Logistics halls



Mobile hospitals



Kitchens and canteens

Hangar systems

Planes, helicopter, tanks, all-terrain vehicles - the entire vehicle fleet has to be housed, repaired and maintained in secure places. At the same time they should be easy to reach and always ready for operation. RODER hangar systems offer the best cost-efficiency and feature especially high material and manufacturing quality.

Their modular design allows clear span widths of up to 60 meters, creating enough space for projects of even the largest sizes.

If its requirements change, hangars can be lengthened at any time.

RODER offers a comprehensive range of accessories, which are specially designed for the hangar systems. The range includes ventilation, air-conditioning and lighting systems as well as special door and gate systems.



Crew accommodation

People in demanding and strenuous military service need a secure and comfortable place. The turnkey RODER accommodation solutions, fully equipped with electricity, water connection, sanitary facilities, furniture and much more, ensure safety and good workplace morale. Special hall systems come into play; they are constructed for use in extreme conditions.

Different floors, heating, air conditioning and ventilation systems add to the range of possibilities.

The structures can be changed to new requirements quickly and flexibly, without limiting protection or function.

We can use block-modular buildings in ISO-size for the quick organization of staff dormitories.



Mobile tent camps

The accommodation systems combine easy handling with maximum mobility and durability, especially when using the specially developed RODER SAS TENTS structures for camping.

Even faster than the classic RODER structures, SAS TENTS are suitable for exceptional situations by the robust, sturdy construction and ease of use.

Roder SAS TENTS performs well in challenging environments where speed is everything. Especially in difficult terrain and under extreme climatic conditions, the system provides protection and security.

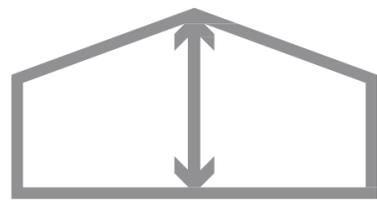


RODER SAS TENTS

The multifunctional RODER SAS TENTS are the ideal space solution for army, and outdoor organizations because of different versions.

Anodized aluminum frames, high-quality planning and robust components such as the aluminum die-cast connector guarantee easy handling and long life. Due to the sustainable mobility and sophisticated design, the systems can be installed quickly and at almost any location within a very short time.

RODER SAS TENTS are ideal for rapid deployment in the field, require no special machinery or cranes for installation, and are packed and carried in special bags. The pack sacks included for frame, tarpaulin and small parts ensure trouble-free transport due to the manageable dimensions. This prolongs the life of RODER SAS TENTS and ensures safe, comfortable and fast logistics.



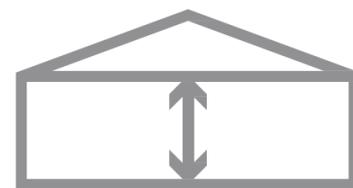
2,9 m ridge height (max)



10,0 m length (max)



142 kg max weight

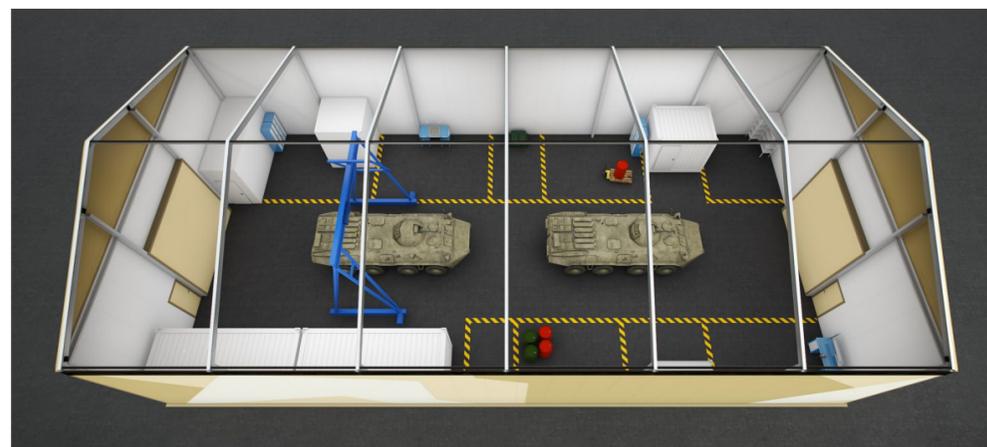


1,9 m eave height (max)

Maintenance and repair rooms

In today's fast-changing environment of weaponry and military equipment, fast and efficient maintenance is essential. As the speed and options for the use of equipment change, the need for rapid deployment of service facilities for military equipment increases. The efficiency of the use of military equipment depends on the speed of construction of such service and maintenance facilities.

The construction of every single hangar system is tailored precisely to the customer's needs in order to create a perfect and individual space solution.



Logistics halls

Good organization is the most important basis for functioning military deployments and the logistics of all goods is a decisive factor.

RÖDER solves every warehousing problem with mobile logistics halls. Goods such as food, machine parts, equipment and clothing are stored optimally, saving space. Protected from weather, temperature fluctuations and humidity, all goods can be stored efficiently for optimized access.

RÖDER logistic halls are in three different versions - from simple tarpaulins to fully-insulated designs and adapt optimally to every application area due to their versatile equipment. Special door and gate systems allow fast access; optimized facade elements and a wide variety of tarpaulins ensure perfect protection. State-of-the-art floor, heating, air-conditioning and lighting systems enable safe and efficient work in the warehouse.



Mobile hospitals

RODER rescue halls are used as hospitals and for the initial inspection of injured people. Sterile, safe and application-oriented rooms especially for surgery, treatment chambers, enough space for patient beds, sanitary facilities and medication storage are some of the essential requirements for a military hospital.

Diseases and sickness are a common problem, naturally increased in military bases. Not only usual complications but also serious injuries have to be treated fast and professionally.

RODER offers perfect hall systems for this sophisticated field of application.



Kitchens and canteens

The crew of the base has to be provided with food every day and would benefit from a pleasant ambiance at meals, as compensation for the demanding military operations. 'We eat with our eyes' – this saying not only applies to beautiful presented dishes, but also to the immediate dining room environment. RODER tent and hall systems provide personnel areas which offer mobility and reliability.

The tent systems offer enough space for cooking, serving and dining. They are the basis for communal meals. With the right equipment, the tent systems offer an ambiance that leaves the personnel with a positive impression.

RODER tent systems combine functional design with a premium manufacturing quality. Thanks to modern installation systems, the structures can be erected and dismantled in record time.

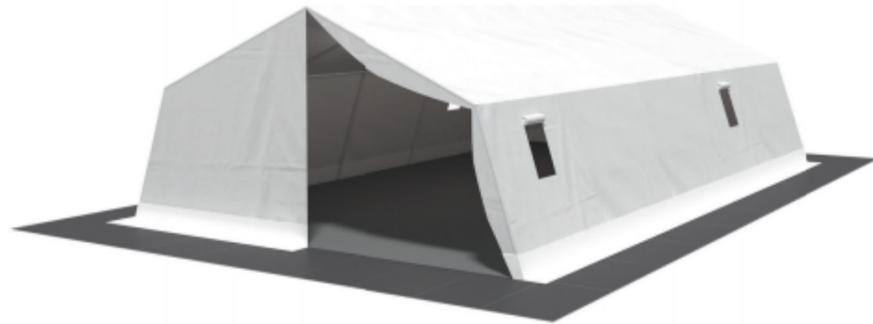




Technical data sheets

RODER SAS tent series

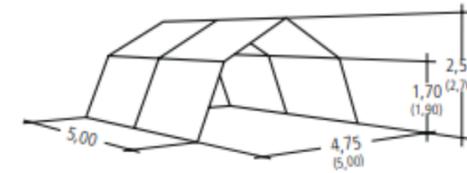
SAS TENT 24/25/34/35/45/48/56/60



TECHNICAL DATA

TYPE	SIZE (B x L x H)	TOTAL WEIGHT TARPAULIN + FRAME	RIDGE HEIGHT	BASE
SAS 24	4,75 x 5,0 x 1,7 m	31 kg + 31 kg = 62 kg	2,5 m	24 m ²
SAS 25	5,0 x 5,0 x 1,9 m	35 kg + 32 kg = 67 kg	2,7 m	25 m ²
SAS 34	5,65 x 6,0 x 1,7 m	31 kg + 42 kg = 81 kg	2,7 m	34 m ²
SAS 35	5,9 x 6,0 x 1,9 m	45 kg + 43 kg = 88 kg	2,9 m	35 m ²
SAS 45	5,65 x 8,0 x 1,7 m	53 kg + 54 kg = 107 kg	2,7 m	45 m ²
SAS 48	5,9 x 8,0 x 1,9 m	61 kg + 56 kg = 117 kg	2,9 m	47 m ²
SAS 56	5,65 x 10,0 x 1,7 m	64 kg + 65 kg = 129 kg	2,7 m	57 m ²
SAS 60	5,9 x 10,0 x 1,9 m	74 kg + 68 kg = 142 kg	2,9 m	59 m ²

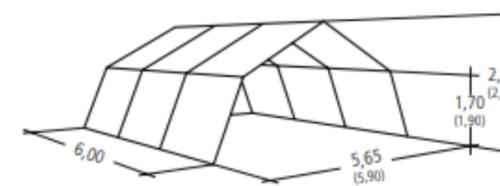
SAS TENT SCOPE OF SUPPLY



SAS 24 (SAS 25)

6 bars á 244 cm
6 bars á 194 cm
6 stakes á 173 cm (194 cm)
Longest component: 244 cm

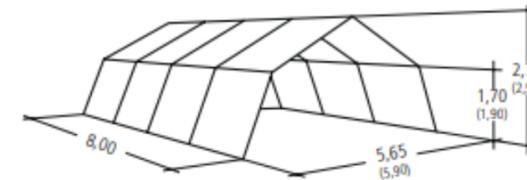
6 three-arm die-cast connector
3 four-arm die-cast connector
6 pegs



SAS 34 (SAS 35)

8 bars á 244 cm
9 bars á 194 cm
8 stakes á 173 cm (194 cm)
Longest component: 244 cm

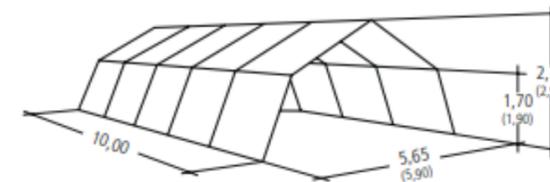
6 three-arm die-cast connector
6 four-arm die-cast connector
8 pegs



SAS 45 (SAS 48)

10 bars á 244 cm
12 bars á 194 cm
10 stakes á 173 cm (194 cm)
Longest component: 244 cm

6 three-arm die-cast connector
9 four-arm die-cast connector
10 pegs



SAS 56 (SAS 60)

12 bars á 244 cm
15 bars á 194 cm
12 stakes á 173 cm (194 cm)
Longest component: 244 cm

6 three-arm die-cast connector
12 four-arm die-cast connector
12 pegs

RODER H-line series



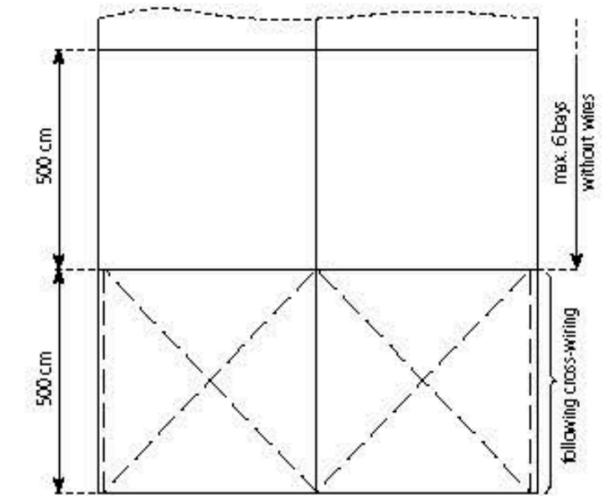
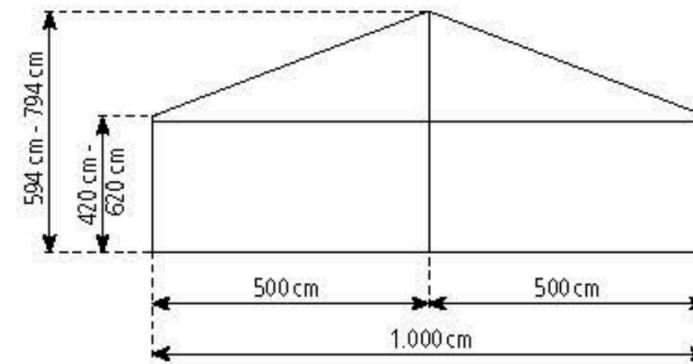
TECHNICAL DATA

INDUSTRIAL HALL | H-LINE

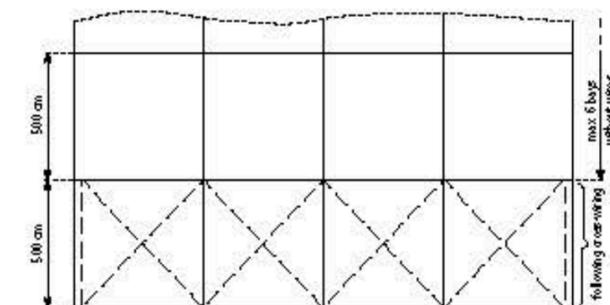
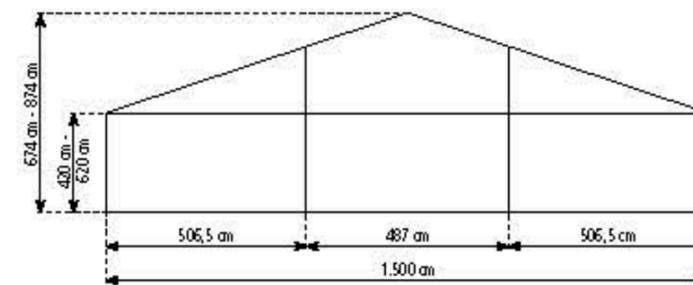
STANDARD VERSION

Span	1.000 cm	1.500 cm
Side height	420 / 520 / 620 cm	420 / 520 / 620 cm
Ridge height	594 / 694 / 794 cm	674 / 774 / 874 cm
Roof pitch	18°	18°
Bay distance / grid	500 cm	500 cm
Longest component	570 / 570 / 670 cm	802 cm
Gable column	1	2
Min. setup length	1.500 cm	1.500 cm
Max. setup length	Expandable with the grid	
Main profile	252 x 122 x 4 mm / 334 x 122 x 8/4,5 mm	
Max. wind speed according to EN	100 km/h	
Snow load	1,31 kN/m ²	
Tarpaulin	RÖDER No. 1, PVDF coated tarpaulin, according to EN 15619	
Fixed cladding	<ul style="list-style-type: none"> Trapezoidal sheet metal, galvanized, color-coated, interior protective lacquer ISO Sandwich elements, galvanized steel sheet on both sides (inside and outside), crimped, PU foam filling 	

H-LINE 1.000/420/594 & 1.000/520/694 & 1.000/620/794



H-LINE 1.500/420/674 & 1.500/520/774 & 1.500/620/874

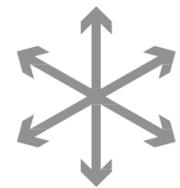




Military projects portfolio

Airplane Hangars

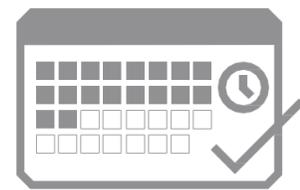
It is imperative that military vehicles such as planes, helicopters, tanks and all terrain vehicles are housed securely. At the same time the entire vehicle fleet should be easy to reach and always ready for operation. RODER hangars allow a rapid deployment and are highly mobile and proven for use abroad since decades. These ten maintenance hangars have been in permanent use for the last 24 years.



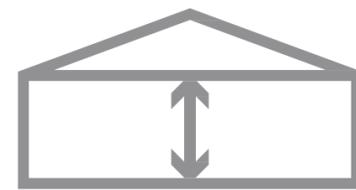
6000m²
Area



10
Hangars



24
Years Use

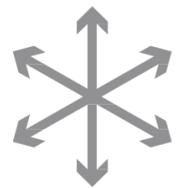


2.5m
Eave Height

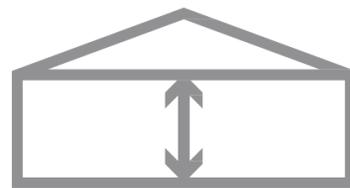
Vladivostok Maintenance Hangar

The client required a fully insulated airplane maintenance hangar. This has been realized with a 50 m x 53 m H-LINE lightweight hall with an eave height of 10 m, equipped with thermo tarpaulin roof.

Gable and side walls are covered with insulating facade with 100 mm ISO-panels. A special hangar gable door completes the maintenance hall.



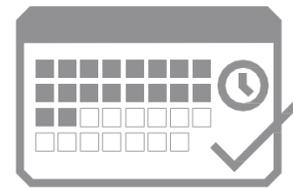
2650m²
Covered Area



10m
Eave Height



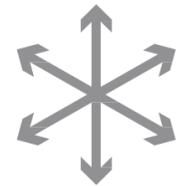
50m
Span width



28
Days Installation

Braunschweig Permanent Hangar

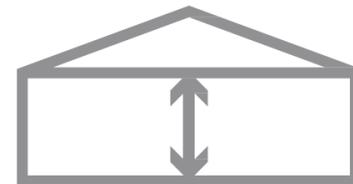
The hangar H-Line 30 m × 60 m × 6,2 m with thermal roof tarpaulin and insulating facade elements enables the aircraft to be accommodated under the best conditions. The translucent tarpaulins provide sufficient brightness inside the hangar so that artificial lighting is not required during the day. The hangar gable gate design allows comfortable entry even for large aircraft.



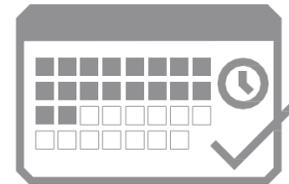
1800m²
Covered Area



60m
Hall Length



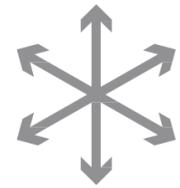
6.2m
Eave Height



16
Days Installation

ADEX

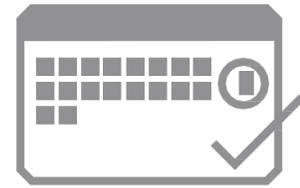
A mobile service center for armored vehicles was presented at the Azerbaijan International Defense Industry Exhibition. The pavilion has branded facades and a colored roof in keeping with the company's style. We also offer hangar solutions for aircraft and other military equipment, as well as mobile field bases for repair and maintenance military technic.



300m²
Area



20m
Hall Length



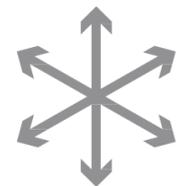
10
Days Installation



15m
Span width

International forum «ARMY»

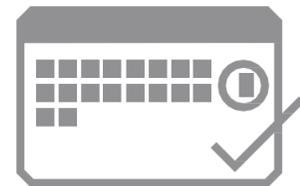
RODER annually acts as a technical partner of the International Military-Technical Forum «Army» and provides exhibition pavilions and shelters for military equipment, checkpoint complexes and mobile offices for forum participants (ROSOBORONEXPORT, TANKPROM, etc.)



1500m²
Covered Area



most
Tents in
Aluminum
-Glass
Facade



14
Days Installation

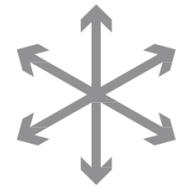


20m
Span width



NATO Military Camp

RODER military hall and tent systems combine easy installation with maximum durability. The NATO Camp in Gardemoen has been used by 210 soldiers for 14 days. The halls and tents were used as temporary facilities during the exercise - as premises for organizational tasks, barracks, kitchens and training areas.



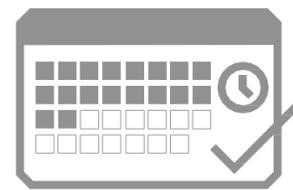
6500m²
Area



45
Tents & Halls



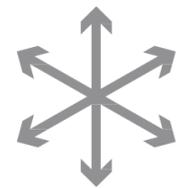
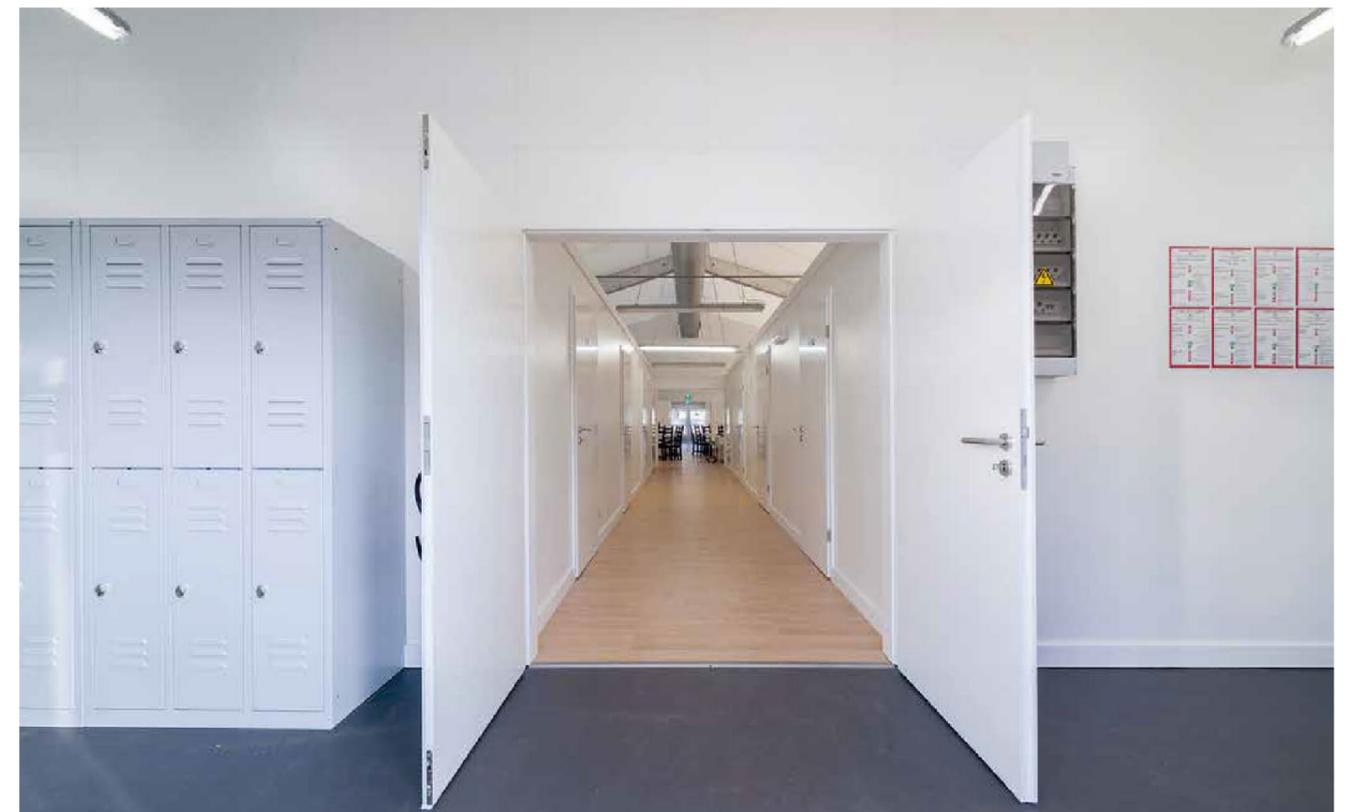
210
Soldiers



7
Days Installation

Bochum Refugee housing units

To the need of European countries, RODER Germany manufactured well thought out refugee housing units. RODER installed 12 constructions, designed to accommodate 56 people per unit in Bochum, Germany. The 10 x 30m snowload-rated halls were equipped with electrical distribution, ceiling-mounted heating pipes and appliances. Designed for swift production and delivery, the units can be installed quickly on almost any surface.



3600m²
Covered Area



30m
Hall Length



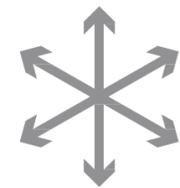
12
Halls



10m
Span width

Hospitals In Kommunaraka

In Moscow, 20 hospital buildings, each 20x60 m, one laboratory 20x40 m and one administrative building 20x70 m, were built on the grounds of the first Coronavirus Hospital. They are used for accommodation and post-intensive care of patients in need of care. With an area of 25,400 m² and a bed capability of the Municipal Hospital is more than doubled. RODER LLC also established such temporary medical facilities in 13 other city medical centers in Moscow.



25400m²
Covered Area



40,60,70
m
Hall Length



21
Halls



20m
Span width



Engineered in Germany

MADE BY

RÖDER

"Engineered in Germany" and "Made by RÖDER" are a performance promise to our customers and for us as a premium supplier. Compliance with the strictest quality and safety standards is at the forefront of all of our actions.

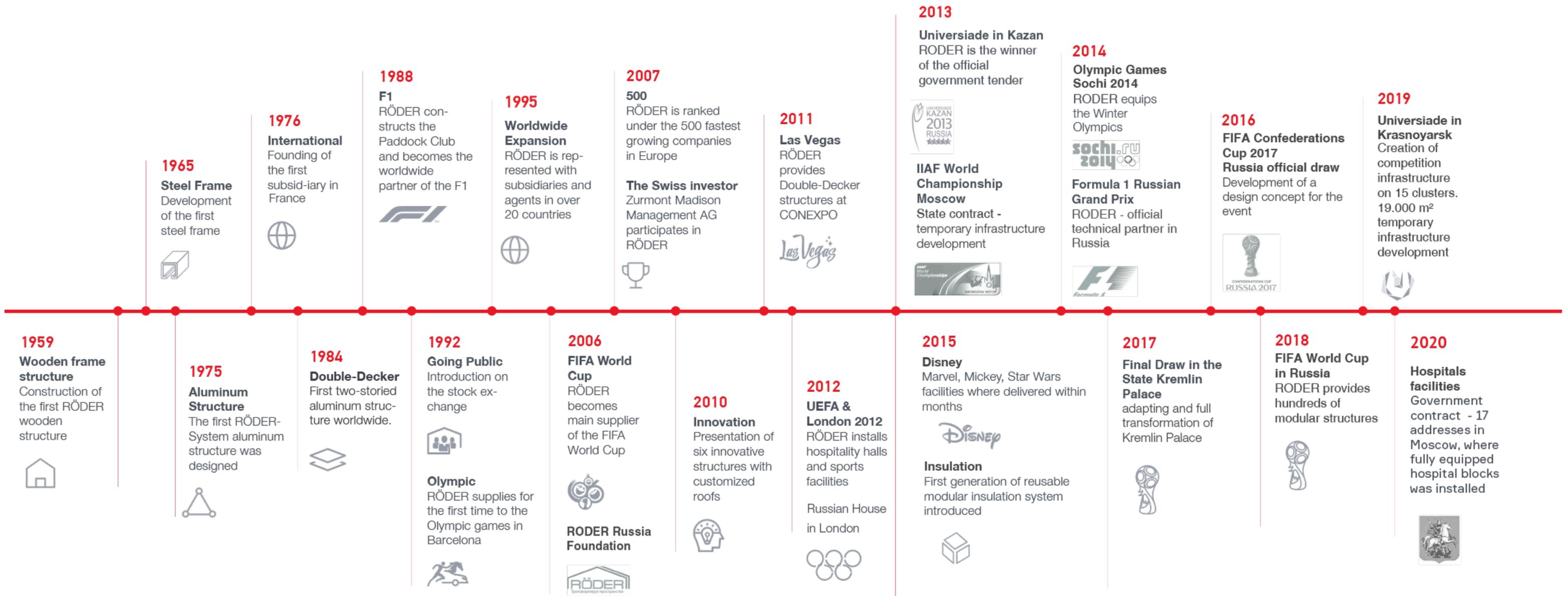
Our building can be used as a temporary solution, but they are far more than that.

Many of our industry halls have already been standing for well over a decade.

High-quality materials paired with German engineering make them an equally durable but far more cost-effective alternative to a solid structure.



RODER MILESTONES



Contact Us

www.roder.ae



Our global reach ensures a consistent product and level of expertise wherever your project is based.



We are a part of RÖDER Group

RODER EMIRATES STRUCTURES L.L.C

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