



Sector solutions

INDUSTRIAL AND LIGHT- WEIGHT BUILDINGS

Functional and durable
constructions for wide-
ranging applications



HTS
TENTIQ



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Who we are

HTS TENTIQ creates space for great things – because we believe an ideal space solution exists for every sector and every application. We have occupied a leading position for more than 20 years with our expertise in development, manufacturing, quality, selection, technology, customer service and innovation made in Germany. We create temporary and innovative space solutions for your future projects within the shortest possible time window.

Our multifaceted offerings leave nothing to be desired. Whether bespoke designs or sector-specific solutions, we implement all requirements rapidly and seamlessly thanks to our comprehensive technical expertise. Continuous product development, flexibility, quality, sustainability and reliability are the preconditions enabling us to serve our customers with best-in-class products in the sector and deliver premium service worldwide. HTS TENTIQ not only creates space, however, but also adds value. To this end, we always keep the bigger picture in mind – our environment is just as important to us as our employees and fellow human beings. Benefit from our many years of experience: Our highly qualified team will advise you extensively, competently, with a strong focus on ensuring that you are equipped with a building system perfectly suited to your requirements.



Space gains for you – convenient, flexible and cost efficient

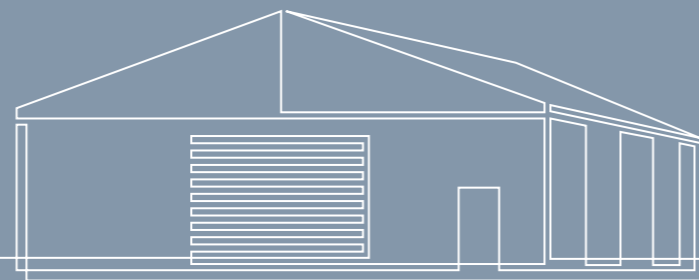
Warehouse too small? Are you looking for an efficient way of extending your storage space? Our Industrial and Lightweight Buildings will create new, extra space for your company – quickly, easily and effectively: The optimal solution for temporary or permanent space which is just as durable as conventional buildings. Our full product range of modular and bespoke Lightweight Structures provide rapid and economical solutions encompassing almost

all specifications, from warehouse and logistics through to production and on to workshops. Your benefits: Your warehouse space can be easily, flexibly and, at the same time, cost effectively and quickly extended. This approach will enable you to store your inventory on site without having to pay for rent or additional transport routes, while protecting your stock or equipment efficiently and reliably against the elements.



Solutions for every space requirement

You need more space? With HTS TENTIQ Industrial and Lightweight Buildings, you can choose whether to extend the canopy of your logistics company, have storage space for a centre recycling special materials, or room to store components, parts or equipment. We offer flexible, highly configurable solutions spanning sectors which provide shelter to accommodate everything under one roof – even entire trains – without a hitch.



Configure your Industrial or Warehouse Structure now.



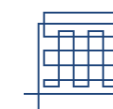
Are you looking for time and cost saving solutions? How? Use our building configurator to create your Lightweight Structure quickly and conveniently in line with your needs.

Features and advantages



Less than a week

Warehouse structures can generally be set up in less than a week on existing hard subsoil



Temporary or permanent

Ideal solution when inexpensive space on site is needed quickly



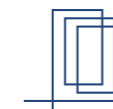
Industry manufacturer

Designed, manufactured and assembled directly on location by industry manufacturer HTS TENTIQ



Available dimensions

Available in widths from 5.00 m – 30.00 m, unlimited length, 4.20 m – 6.20 m side height



For every budget

Different cladding options for every budget and every need: PVC covers, fully insulated roofs and walls



Cost and time savings

Very high cost and time savings compared with conventional buildings



How you benefit from more space:

- Quick handling and delivery
- Assembly directly on site at your location
- Temporary or permanent usage

Weather Protection Buildings

HTS TENTIQ Weather Protection Buildings are the most cost-effective alternative of lightweight structures. For good reason: The preconfigured ECONOMY, STANDARD and PREMIUM structures guarantee efficient assembly with short setup and dismantling times. Erecting the construction is easy and handling is smooth. These buildings can be extended by 2.50 m increments and can bear heavy snow loads (25/75 kg). They also comply with structural design calculations pursuant to German DIN 13782 (semi-permanent).



Key features

- Easy setup
- Inexpensive and cost effective
- Pre-configured modular design
- Storage made simple
- Insulated and non-insulated
- Aluminium frame
- Roofing in single-layer PVC ground-to-ground roof covers or double-layer thermo covers
- Side panel in single-layer PVC covers, steel sheets or sandwich elements
- Our semi-permanent, demountable building systems are easily engineered to meet site specific/international wind and snow load requirements, ask our technical sales team for further information



Weather Protection Buildings – at a glance

The lightweight, but nevertheless resilient, Weather Protection Buildings are available in free-span widths of 5.00 m to 20.00 m with eave heights of 3.50 m or 4.40 m, and are expandable to a virtually unlimited extent by adding 2.50 m modules. Choose between the preconfigured ECONOMY, STANDARD and PREMIUM models this series offers, available with the respectively appropriate accessories

and suitable for all operational requirements. The advantages go without saying: Our most cost-effective Weather Protection Buildings also score points as they are easy to set up, dismantle and handle, can bear heavy snow loads (25/75 kg) and comply with structural design calculations pursuant to German DIN 13782 (semi-permanent).



ECONOMY

- Complete frame, single-layer PVC ground-to-ground roof covers and gable with PVC door
- Non-insulated



STANDARD

- Complete frame, single-layer PVC roofing and gable triangle
- Wall cladding in corrugated steel sheets
- Sliding door 2.50 m x 4.40 m
- Non-insulated



PREMIUM

- Complete frame, double-layer PVC roofing and gable triangle
- Wall cladding in sandwich elements
- Sliding door 2.50 m x 4.40 m
- Insulated

Size chart

Roof design	Top view	Width	Side height	Bay distance	Snow load
Distance		5.00 m	3.50/4.40 m	2.50 m	25 kg/m ² - 75 kg/m ²
		7.50 m	3.50/4.40 m	2.50 m	25 kg/m ² - 75 kg/m ²
		10.00 m	3.50/4.40 m	2.50 m	25 kg/m ² - 75 kg/m ²
		12.50 m	3.50/4.40 m	2.50 m	25 kg/m ² - 75 kg/m ²
		15.00 m	3.50/4.40 m	2.50 m	25 kg/m ² - 75 kg/m ²
		17.50 m	3.50/4.40 m	2.50 m	25 kg/m ² - 75 kg/m ²
		20.00 m	3.50/4.40 m	2.50 m	25 kg/m ² - 75 kg/m ²

Please note: The profile sizes for Weather Protection Buildings are 170/88/3 mm and 230/91/4 mm.

Building specifications



Ridge height
5.23 m - 11.23 m



Span width
5.00 m - 30.00 m



Eave height
3.50 m/4.40 m



Length
Variable structural length
in 5.00 m increments



Snow load
25 - 75 kg/m²



Wind load
100 km/h

Please note: Our semi-permanent, demountable building systems are easily engineered to meet site specific/international wind and snow load requirements, ask our technical sales team for further information.

Canopies

HTS TENTIQ offers optimal solutions for Canopies: easy, fast and cost effective to set up – a financial advantage which pays off for companies. Our Canopies are also available in many sizes and eave heights to accommodate very high loads, also stacked, and can also seamlessly connect with existing warehouse buildings. Benefit from the additional advantages we offer: Our durable, robust Canopy solutions are equipped with open side walls, do not require any side covers, and the roof features single-layer PVC covers or corrugated steel sheets.



Key features

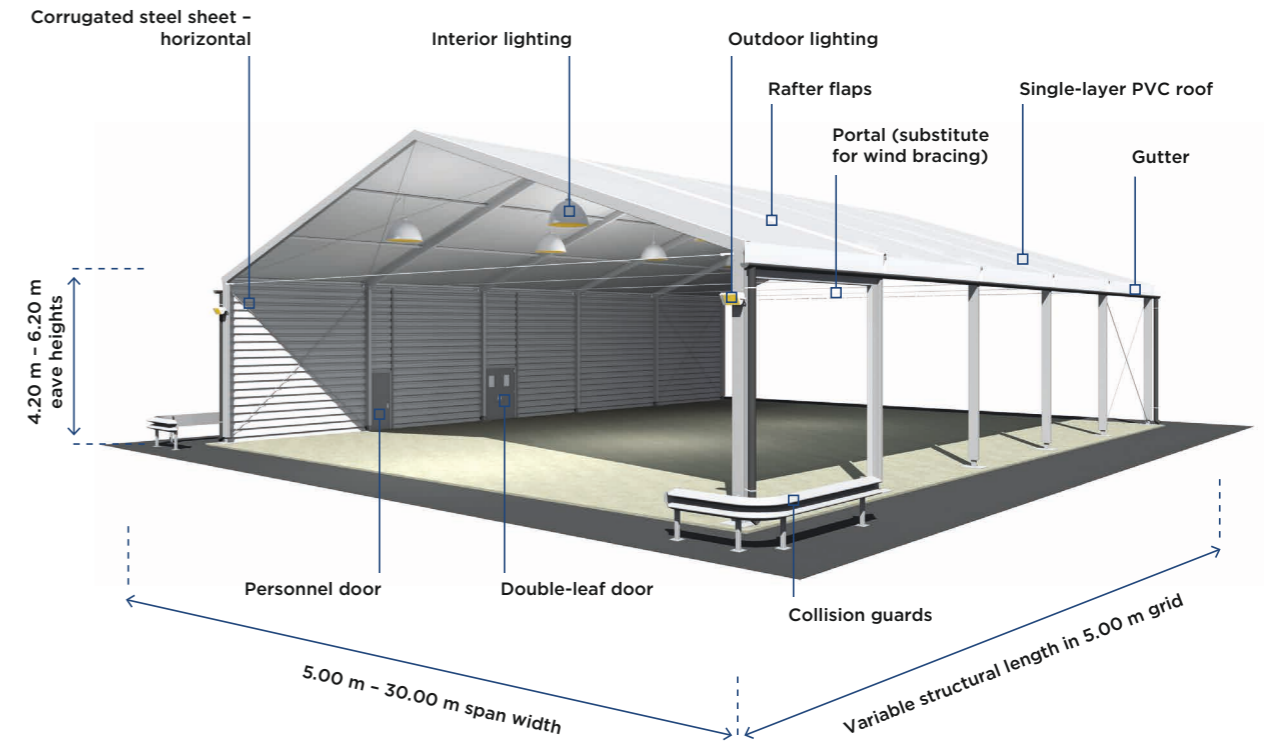
- Aluminium frame, single layer PVC roof covers or corrugated steel sheets
- Translucent PVC roofing reduces lighting costs
- Robust, durable and proven for setup, dismantling and storage
- Designed for wind and snow loads pursuant to German DIN EN 13782 (semi-permanent) and DIN EN 1991 (permanent)
- Customized configuration possible
- Application: canopies for loading ramps and storage areas, materials and vehicle canopies
- Our semi-permanent, demountable building systems are easily engineered to meet site specific/international wind and snow load requirements, ask our technical sales team for further information



Our Canopy specifications

HTS TENTIQ Canopies - the perfect solution for all companies requiring quick and convenient storage space. Our Canopies are compelling with their many advantages: They provide inexpensive space ideally suited to quick loading and unloading processes, as well as to easy storage. They are either standalone or can be connected up with already existing warehouse buildings. In addition, they can be built in a relatively short space of time and are perfectly suited to warehouse extensions.

No preparatory levelling has to be carried out on your existing subsoil. Canopies protect your goods whatever the weather. High-quality PVC material or corrugated steel sheets are available as roofing materials. The assembly time of two to three days is aimed at enabling the quickest possible use. Our Canopies are easy to dismantle and to relocate elsewhere. Take advantage of our offer of a range of options for rental or purchase.



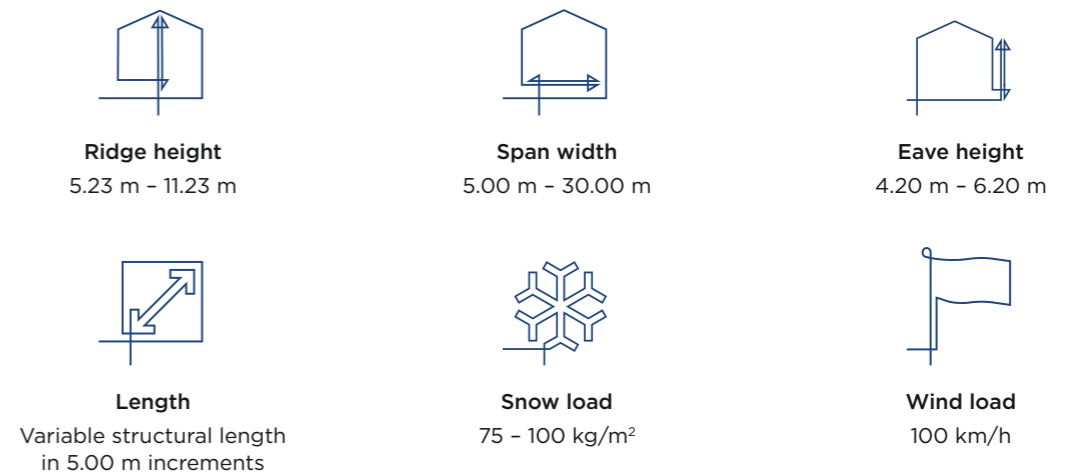
Size chart

Our Canopies are available in the following standard sizes:

Eave height		Span width					
		5.00 m	10.00 m	15.00 m	20.00 m	25.00 m	30.00 m
4.20 m	Ridge height	5.23 m	6.04 m	6.86 m	7.70 m	8.51 m	9.32 m
5.20 m	Ridge height	6.23 m	7.04 m	7.86 m	8.70 m	9.51 m	10.32 m
6.20 m	Ridge height	7.23 m	8.04 m	8.88 m	9.70 m	10.51 m	11.32 m

Note: All measurements are standard dimensions. Customized solutions can be offered, subject to static calculations. Higher wind and snow loads are available upon request, depending on regional requirements.

Building specifications



Please note: Our semi-permanent, demountable building systems are easily engineered to meet site specific/international wind and snow load requirements, ask our technical sales team for further information.

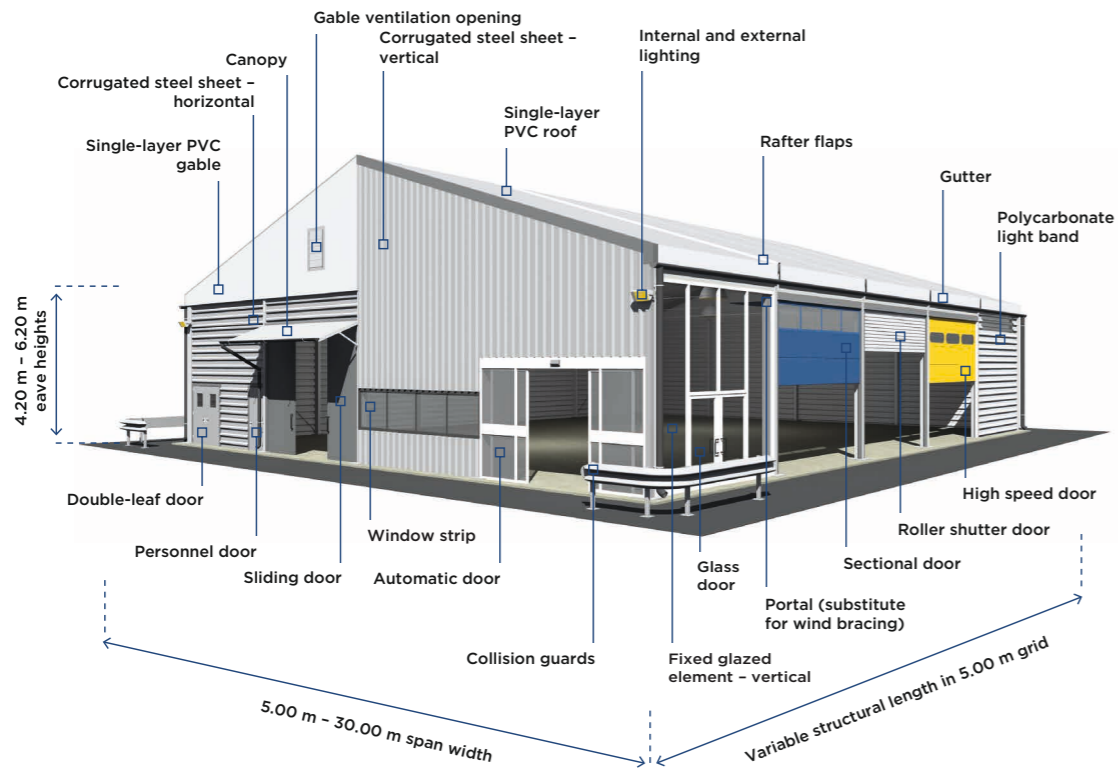
Non-insulated Lightweight Buildings

Non-insulated Lightweight Buildings by HTS TENTIQ are ideally suited to warehouse purposes and construction sites. A wide range of options are available for roofs: single-layer PVC fabric, internal roof covers or corrugated steel sheets are also optional. Corrugated steel sheets are available on request, with additional anti-condensation coating. For the wall covering you can also choose from a selection of high-quality PVC covers and marquees or corrugated sheets. Moreover, the PVC cladding made of translucent material enhances the natural light incidence and makes a significant contribution towards reducing lighting costs.



Key features

- Fast and short setup time
- Easy to expand, modify and relocate
- Aluminium frame, roof and side covers: single-layer PVC covers or corrugated steel sheets
- Robust, durable and proven for setup, dismantling and storage
- Translucent PVC roofing reduces lighting costs
- Designed for wind and snow loads according to German DIN EN 13782 (semi-permanent) and German DIN EN 1991 (permanent)
- Applications: warehouse, logistics, building site
- Customized configuration possible
- Our semi-permanent, demountable building systems are easily engineered to meet site specific/ international wind and snow load requirements, ask our technical sales team for further information



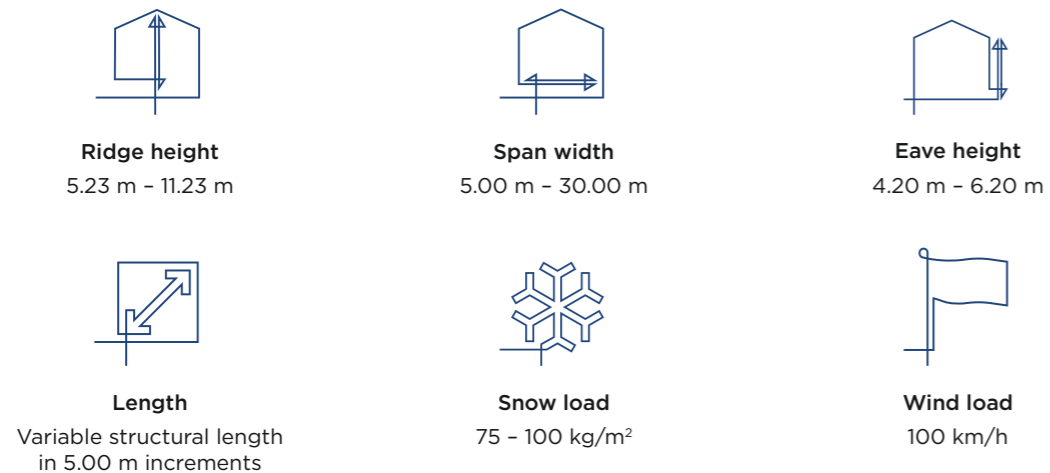
Size chart - PVC roofing

Our Non-insulated Buildings are available in the following standard sizes:

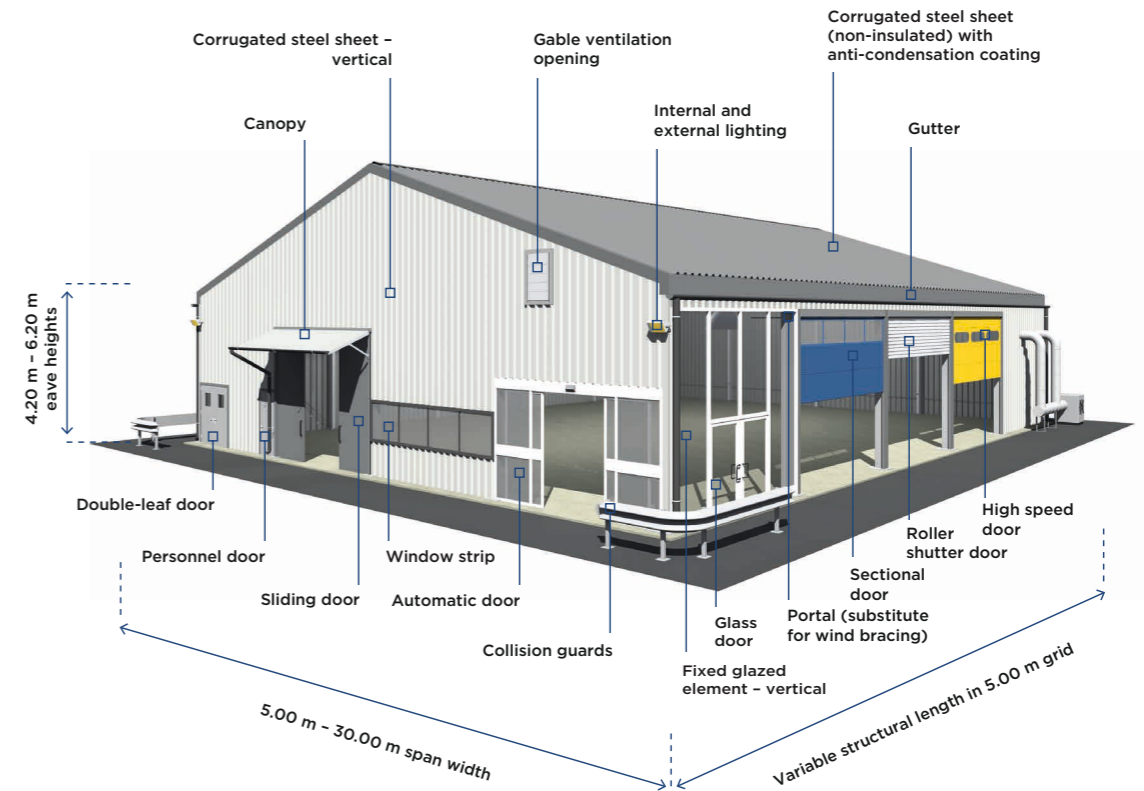
Eave height		Span width					
		5.00 m	10.00 m	15.00 m	20.00 m	25.00 m	30.00 m
4.20 m	Ridge height	5.23 m	6.04 m	6.86 m	7.70 m	8.51 m	9.32 m
5.20 m	Ridge height	6.23 m	7.04 m	7.86 m	8.70 m	9.51 m	10.32 m
6.20 m	Ridge height	7.23 m	8.04 m	8.88 m	9.70 m	10.51 m	11.32 m

Note: All measurements are standard dimensions. Customized solutions can be offered, subject to static calculations. Higher wind and snow loads are available upon request, depending on regional requirements.

Building specifications



Please note: Our semi-permanent, demountable building systems are easily engineered to meet site specific/ international wind and snow load requirements, ask our technical sales team for further information.



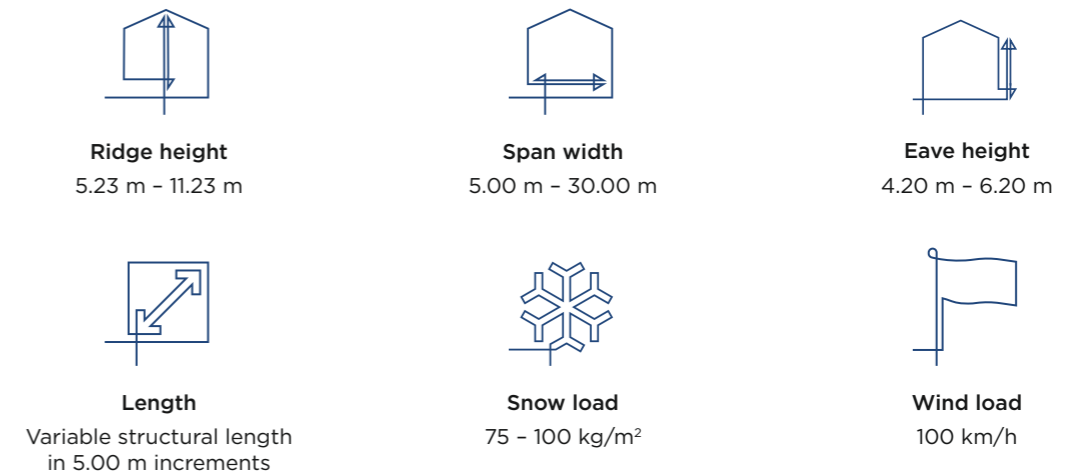
Size chart - permanent roofing

Our Non-insulated Lightweight Buildings are available in the following standard sizes:

Eave height		Span width					
		5.00 m	10.00 m	15.00 m	20.00 m	25.00 m	30.00 m
4.20 m	Ridge height	5.23 m	6.04 m	6.86 m	7.70 m	8.51 m	9.32 m
5.20 m	Ridge height	6.23 m	7.04 m	7.86 m	8.70 m	9.51 m	10.32 m
6.20 m	Ridge height	7.23 m	8.04 m	8.88 m	9.70 m	10.51 m	11.32 m

Note: All measurements are standard dimensions. Customized solutions can be offered, subject to static calculations. Higher wind and snow loads are available upon request, depending on regional requirements.

Building specifications



Please note: Our semi-permanent, demountable building systems are easily engineered to meet site specific/ international wind and snow load requirements, ask our technical sales team for further information.

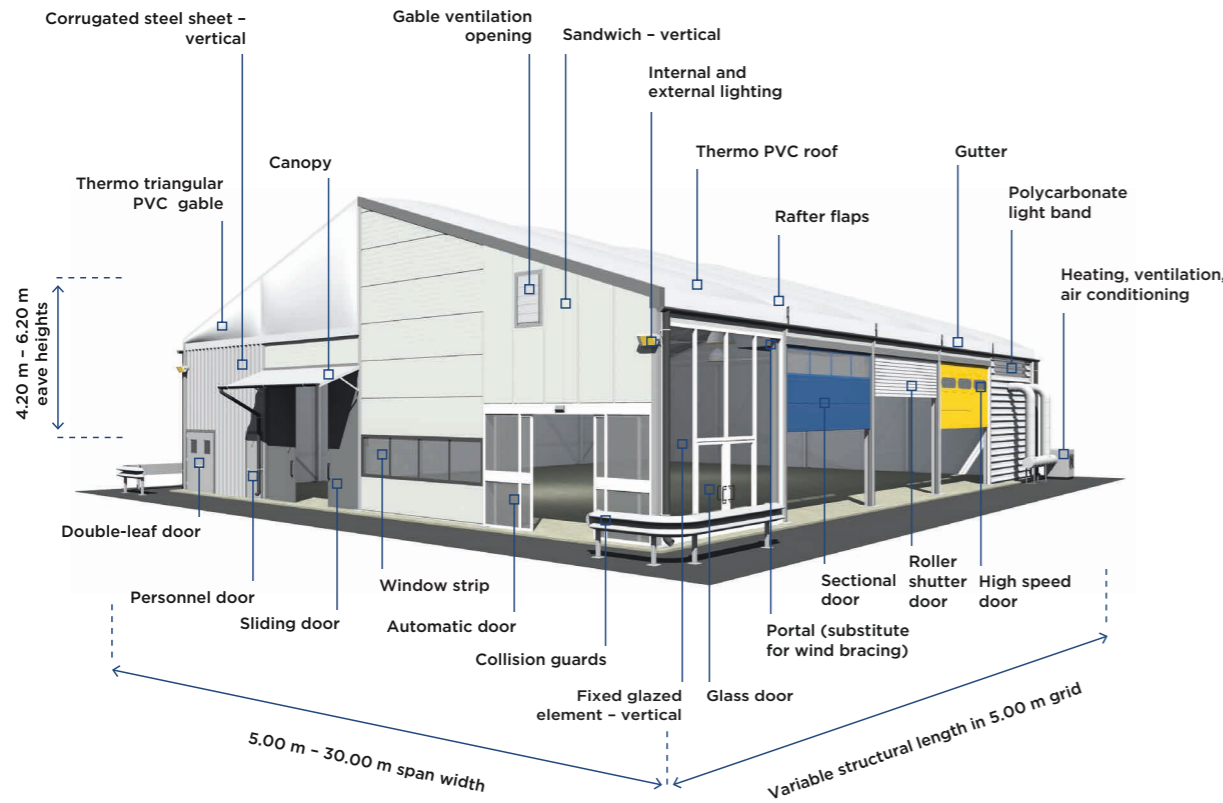
Insulated Lightweight Buildings

Find a permanent solution to your storage problems! Our Insulated Lightweight Buildings offer you a reliable alternative to permanent warehouse or industrial buildings. Our structures are excellently insulated and provide high functionality levels. The innovative thermo roof, a salient feature of our insulated warehouse structure, is a winner: Thanks to its double-layer overpressure system made of industrial PVC, the thermo roof sheet provides a good indoor climate, minimizes dripping water and contributes to noise insulation. Our solutions are therefore ideal for goods or equipment which require protection against condensation and low temperatures. Sandwich panels are available as an alternative to PVC thermo covers.



Key features

- Short set-up times
- Easy to expand, modify and relocate
- Aluminium frame, roof system made of PVC thermo covers or sandwich panels, side walls of insulated sandwich panels in various strengths
- Robust, durable and proven for assembly, disassembly and storage
- Designed for wind and snow loads pursuant to German DIN EN 13782 (semi-permanent) and German DIN EN 1991 (permanent)
- Excellent insulating properties reducing heating and air conditioning costs
- Applications: equipment storage, vehicle depots, training rooms, production buildings, workshops, storage of temperature-sensitive goods
- Customized configuration possible
- Our semi-permanent, demountable building systems are easily engineered to meet site specific/international wind and snow load requirements, ask our technical sales team for further information



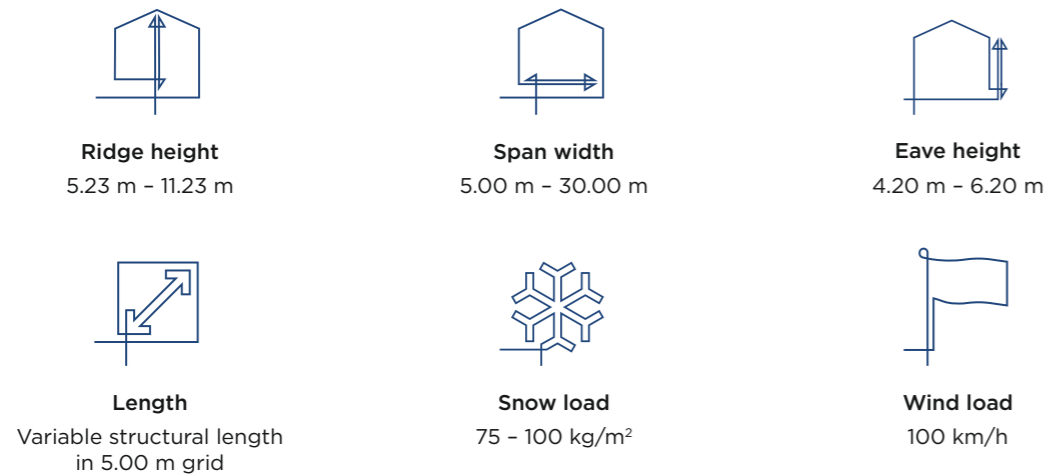
Size table - thermo roof

Our Insulated Lightweight Buildings are available in the following standard sizes.

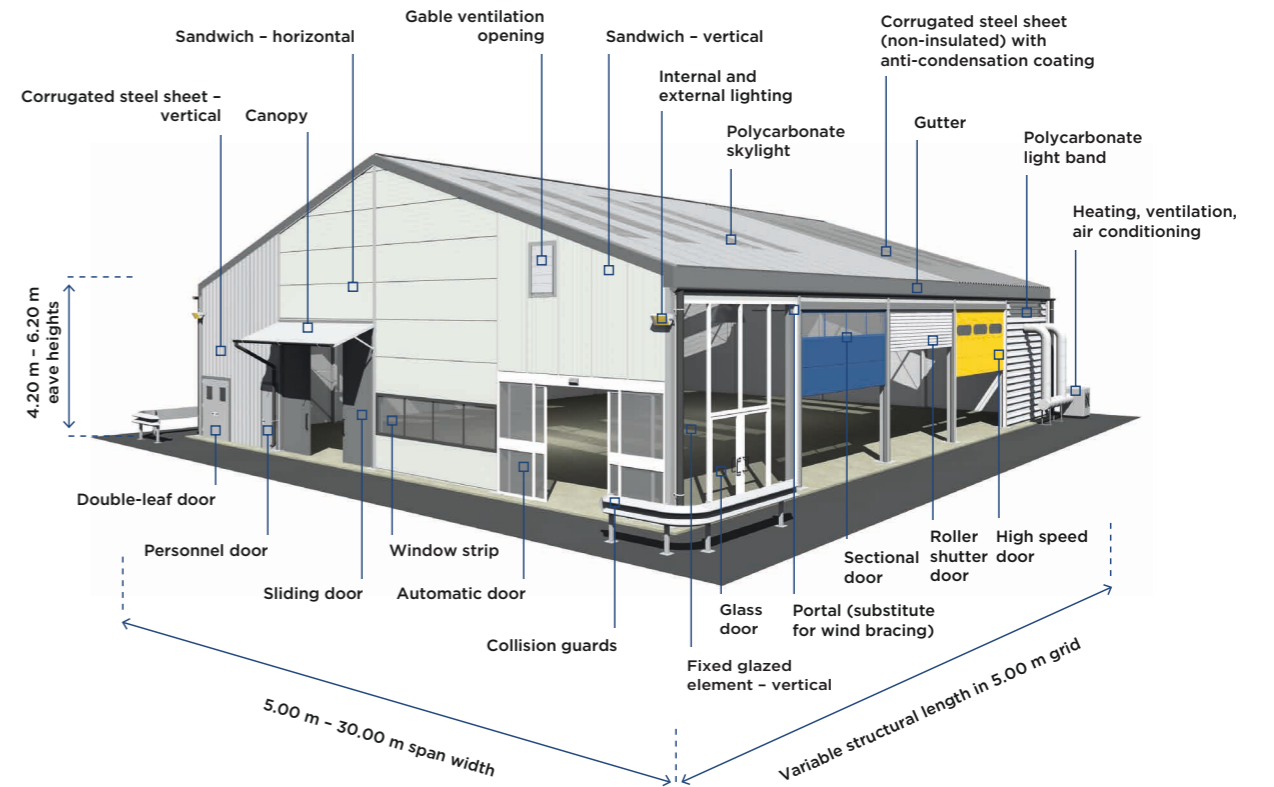
Eave height		Span width					
		5.00 m	10.00 m	15.00 m	20.00 m	25.00 m	30.00 m
4.20 m	Ridge height	5.23 m	6.04 m	6.86 m	7.70 m	8.51 m	9.32 m
5.20 m	Ridge height	6.23 m	7.04 m	7.86 m	8.70 m	9.51 m	10.32 m
6.20 m	Ridge height	7.23 m	8.04 m	8.88 m	9.70 m	10.51 m	11.32 m

Note: All measurements are standard dimensions. Customized solutions can be offered, subject to static calculations. Higher wind and snow loads are available upon request, depending on regional requirements.

Building specifications



Please note: Our semi-permanent, demountable building systems are easily engineered to meet site specific/international wind and snow load requirements, ask our technical sales team for further information.



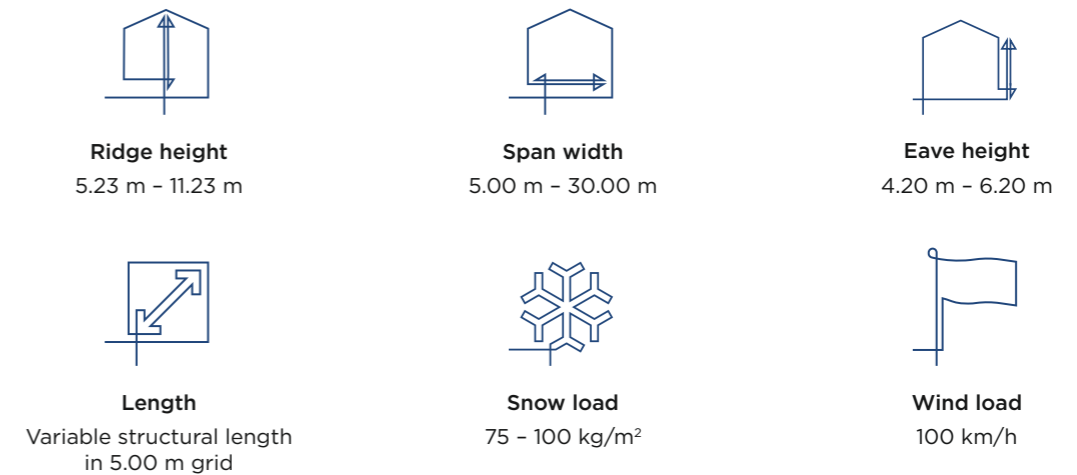
Size table - sandwich roof

Our Insulated Lightweight Buildings are available in the following standard sizes.

Eave height		Span width					
		5.00 m	10.00 m	15.00 m	20.00 m	25.00 m	30.00 m
4.20 m	Ridge height	5.23 m	6.04 m	6.86 m	7.70 m	8.51 m	9.32 m
5.20 m	Ridge height	6.23 m	7.04 m	7.86 m	8.70 m	9.51 m	10.32 m
6.20 m	Ridge height	7.23 m	8.04 m	8.88 m	9.70 m	10.51 m	11.32 m

Note: All measurements are standard dimensions. Customized solutions can be offered, subject to static calculations. Higher wind and snow loads are available upon request, depending on regional requirements.

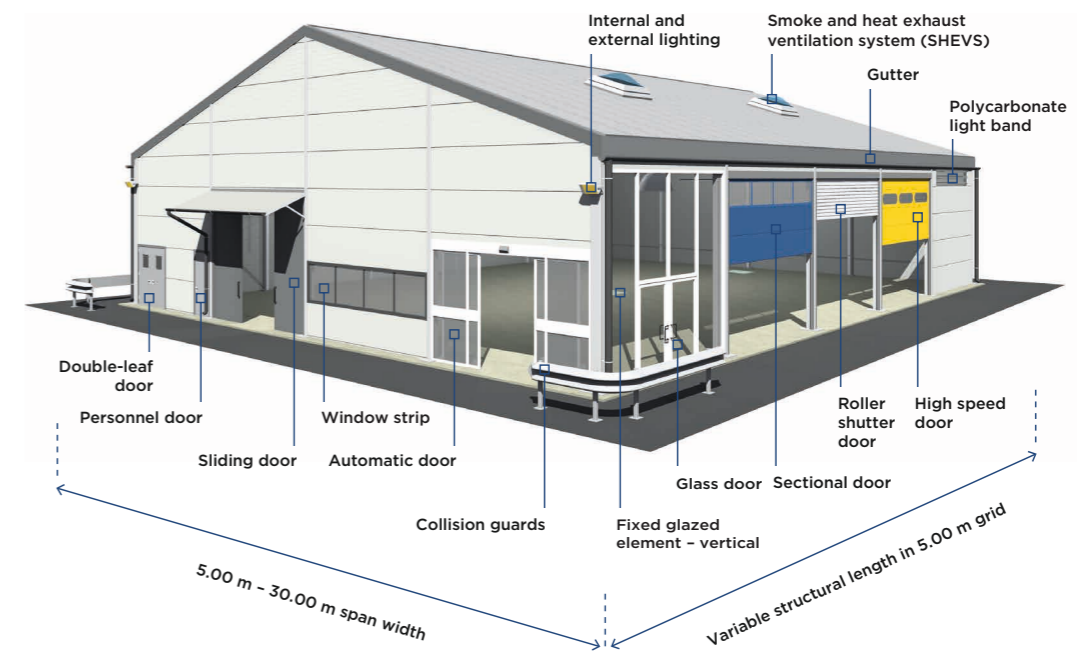
Building specifications



Please note: Our semi-permanent, demountable building systems are easily engineered to meet site specific/international wind and snow load requirements, ask our technical sales team for further information.

Entrances, doors and windows

Do you need options for equipping your industrial or lightweight building? We will take care of your special wishes – for all operational requirements. Whether doors, windows, lighting systems or doors in roller shutter versions, sliding, sectional or high-speed doors, our experts are at hand with advice and assistance, to design and to assemble. Special requests? Our competent developers are just as flexible as our production.



Sectional doors

- Made of polyurethane sandwich elements
- Electric drive or hand chain hoist
- Optionally with personnel door or viewing section
- Various standard colour options



Steel doors

- Standard dimensions: 1.00 m x 2.00 m (single leaf) or 2,00 m x 2,00 m (double leaf)
- Personnel door or escape door options
- Various standard colour options



Roller shutter doors

- Made of insulated galvanized steel profiles
- Electric drive



Windows

- Aluminium or plastic frames
- Insulated glazing
- Different dimensions possible
- Various standard colour options



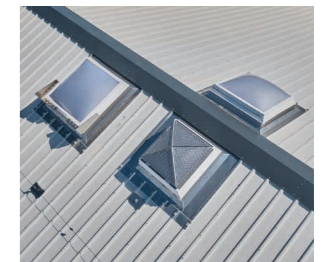
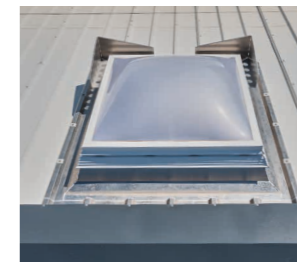
Sliding doors

- Made of corrugated steel sheet or polyurethane sandwich elements
- Single-leaf or multi-leaf
- Various standard colour options



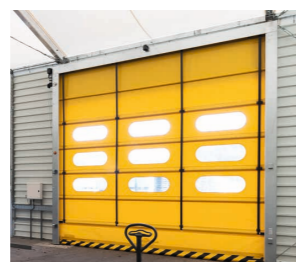
Skylight domes, SHEVS systems

- Plastic glazing
- Different dimensions possible
- Smoke outlet flaps
- Optionally with wind & rain detection system



High-speed doors

- Various door options
- Various control options
- Optionally with viewing section
- Various standard colour options



Wall & lighting panels

- Cost-effective alternative to conventional glass facades
- Available for roof & wall
- Various design options

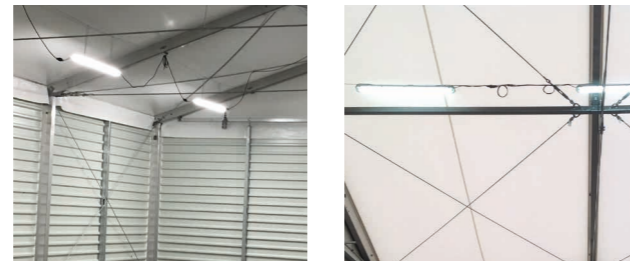


Accessories

Looking for the right accessories? Whether lighting systems, glass facades with frames in various standard colours through to heating, air conditioning and electrical equipment and on to zinc rain gutters, we offer you a selection of solutions which excel. We would be pleased to support and advise you on your individual options. We look forward to hearing from you.

Lighting

- Damp-proof diffuser luminaires or pendant luminaires
- Variable illumination strength
- LED option



Glass facade

- Aluminium or plastic frames
- Insulating glazing
- Various standard colour options



Rain gutter

- Zinc rain gutter, pluggable
- Rain gutter diameter 180 mm
- Downpipe diameter 120 mm



Colour options



Further options

- Static calculations according to DIN EN 13782 (semi-permanent)/DIN EN 1991 (permanent)
- Foundation calculations, including formwork and reinforcement plans
- Horizontal or vertical sandwich panels in various strengths
- Concealed screw connection
- Customized heating and air conditioning solution
- Transport, assembly
- Rent, purchase and financing options

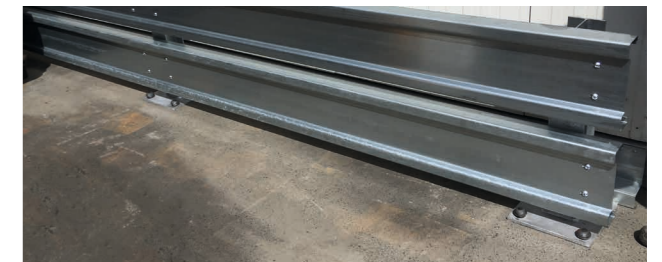
Floor finish

- Floor completion sheets for various floor conditions



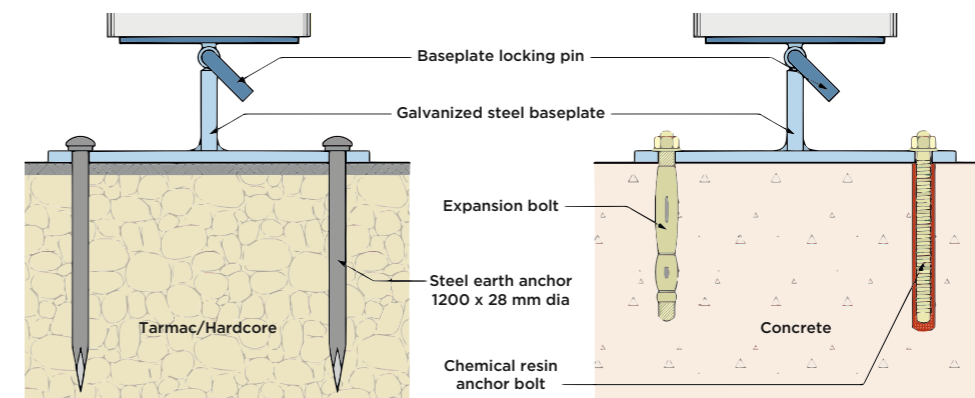
Crash barriers

- Galvanized guard rail profile
- Custom heights
- Fastening by means of dowels or ground nails



Mounting

- Earth anchor or dowel (depending on structural calculations)



Case study

Insulated Buildings for storage and loading

A renowned freight forwarder commissioned HTS TENTIQ with building large-scale facilities for insulated multi-aisle warehouses destined for the storage and loading of a wide range of goods and merchandise from several of the company's customers. The aim was to considerably ramp up capacities, and create a distribution centre and transshipment point for the company's customers.



Requirements

A logistics service provider was on the lookout for suitable options for its customers regarding the extension of a central transshipment centre. Due to existing capacity bottlenecks, the large logistics company was forced to seek a solution which could be realized as quickly and as cost effectively as possible. The storage of the different kinds of materials was required to comply with the respective safety guidelines, particularly as the goods were sensitive. HTS TENTIQ was tasked with meeting the customer's sophisticated requirements.



Solution

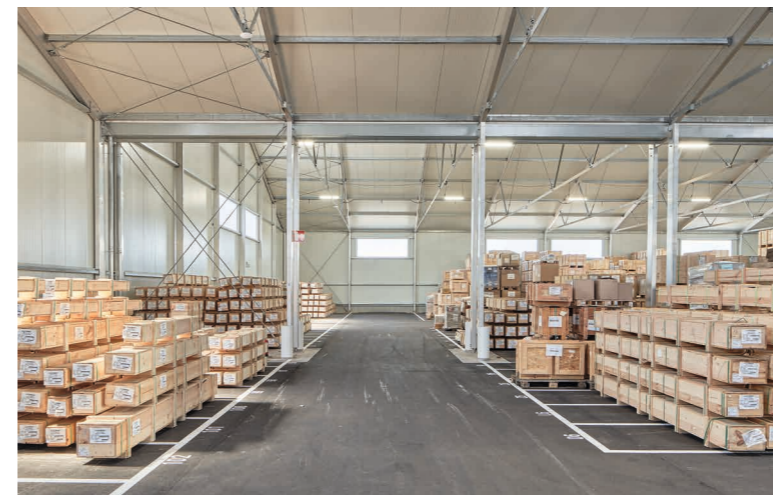
Within the time frame envisaged, HTS TENTIQ was able to design a bespoke solution to suit the available space for implementation in the form of a double-aisle lightweight warehouse. The choice fell on the double-aisle Insulated Lightweight Building from the LX series with roofing and wall cladding made of sandwich panels. The building was equipped with roller shutter doors, skylights, indoor lighting, a fall protection system and a SHEVS system. The solution guaranteed that the new facilities complied with all requirements placed on safe storage and warehouse handling installations. In addition, the overall concept factored in storing empty pallets and additional loading ramps right from the start.



Uses and benefits

Our customer benefits from considerable advantages thanks to the new facilities. The generous, insulated double-aisle building enables all work flows involving storage, logistics, shipment and onward transport within the building to be conducted seamlessly. Occupational

safety for the warehouse personnel is now secured, while the high-volume traffic can be rigorously and reliably controlled - major benefits for the large-scale logistics company.



Type
Insulated Light-weight Building



Size
Hall 1: 30 x 40 x 6.2 m
Hall 2: 25 x 40 x 6.2 m



Roof design
A-frame with mono-pitch structure extension



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