



Textile Hangar Systems

INDUSTRY AND TRADE



www.agrotel.eu

AGROTEL – that's us

AGROTEL is your specialist for textile solutions in agriculture, environmental technology, trade and industry.

For over 35 years we have been developing and producing individual solutions made of steel and technical textiles according to customer requirements and are one of the pioneers in this industry. As an internationally operating family business, we stand for quality and durability of our products.

All products in our range are developed, planned and manufactured in our own factory at our site in Neuhaus am Inn (DE) in Lower Bavaria. We are your expert for hall systems. Our product range extends from self-supporting gable roof halls to individually planned pent roof halls and practical arched halls. Special solutions are also possible. We operate according to the “all from one source principle” with the AGROTEL manufacturer's guarantee.

AGROTEL's quality management and environmental management are certified according to ISO 9001 and ISO 14001.



From left to right: Valentin Schmiedleitner, Elisabeth Laner, Cyriak Laner

Welcome



AGROTEL – that's what sets us apart

We are specialists for textile solutions in industry, trade, environmental technology and agriculture. With more than 30 years of experience in textile hall construction, we offer professional handling of your project.

Consulting, planning and project management

Our qualified consultants will find the most suitable solution according to your wishes and requirements.



Technical Construction

With our experienced staff in our in-house construction and statics department, we can react flexibly to your needs and also offer support with the official approval of your project.



Production Made in Germany

With our unique technical-textile confection with state of the art production machines, the company owned steel construction, the in-house locksmith's shop as well as a warehouse and logistics center at our location in Lower Bavaria we can guarantee optimum quality and flexibility.



Assembly & Service

Our own assembly teams take care of the professional installation of your project and with their know-how ensure a professional result.



Material

1. Technical textile

- » Polyester fabric with plastic coating on both sides
- » Acryl lacquered
- » Flame retardant, low flammability according to B1, DIN 41021 (B1, s2, dO) and EN13501-1
- » UV-stabilized, weather resistant, and high chemical resistance
- » High tear resistance, area stability and very good welding seam adhesion
- » Surface weight up to 1.200 g/m² - according to structural requirements
- » Production of the fabric according to DIN18204-1 – high-frequency welded

Advantages

- ⊕ Natural brightness
- ⊕ Neutral storage of heat /cold
- ⊕ High durability
- ⊕ Absolut tightness (confectioned in one piece)
- ⊕ Low weight of covering compared to other covering materials

2. Steel

Supporting structure

- » IPE girder
- » Double T-Girder
- » Round beam construction

Advantages

- ⊕ Assessment of wind- and snowload depending on location according to EUROCODE EC1 and EUROCODE EC3 (up to 5 kN snowload and up to wind zone 4)
- ⊕ Steel parts (S355) galvanized according to DIN EN ISO 1491:2009
- ⊕ Hot galvanizing provides lasting protection against corrosion



Benefits

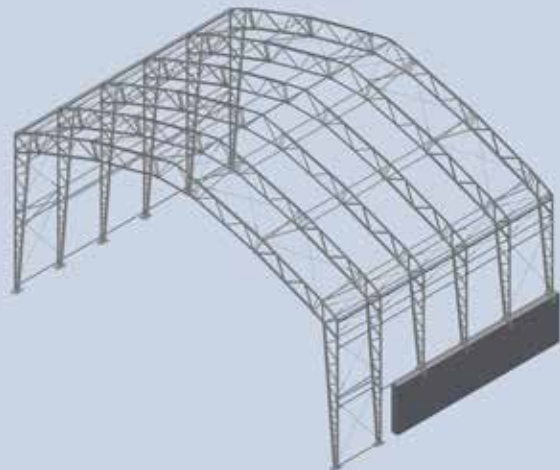
- ⊕ Offers versatile applications
- ⊕ Optimum cost performance ratio
- ⊕ Short construction times
- ⊕ Short amortization period
- ⊕ Durability of material
- ⊕ Great span widths – freestanding
- ⊕ Flexible shapes
- ⊕ Anchorage options also possible
without concrete foundations
(depending on static requirements)

Hall types

**LATTICE
BEAM HALL**

Free standing

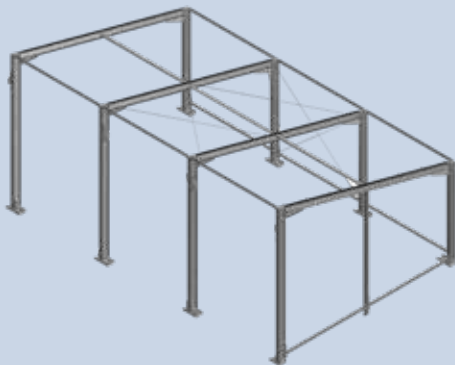
Width:
up to 60 m,
80 m upon request



**MONOPITCH
ROOF HALL**

Free standing

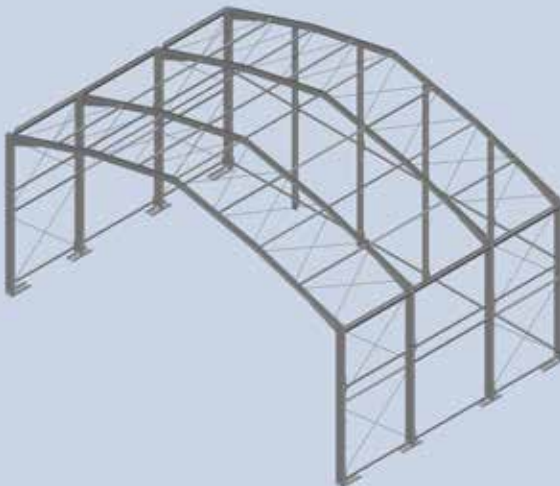
Width:
up to 15 m



**BEAM
HALL**

Free standing

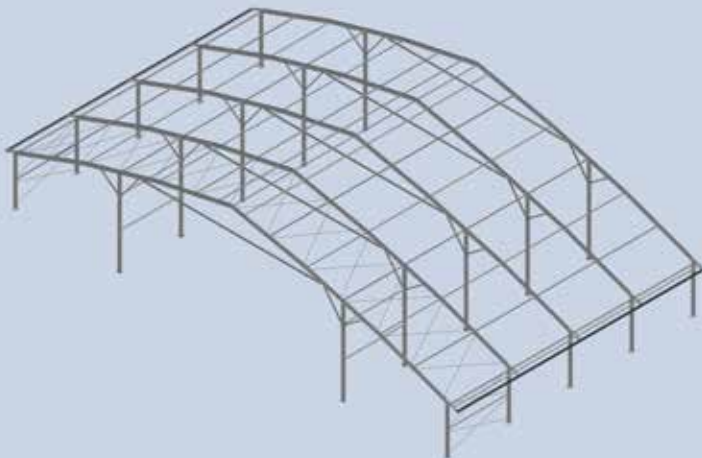
Width:
up to 30 m



BEAM HALL

Supported

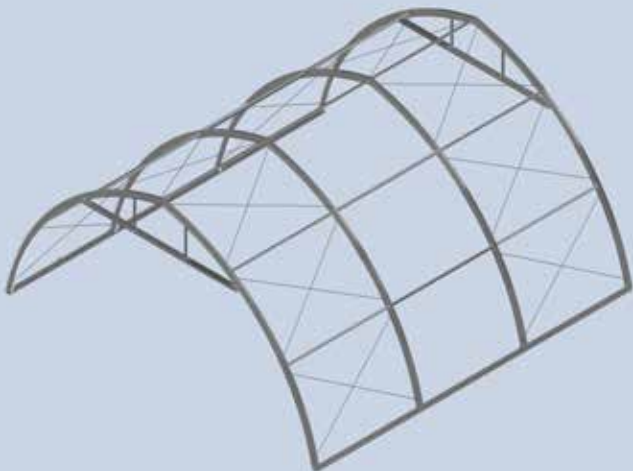
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up to 60 m



**BEAM
TUNNELHALL**

Free standing

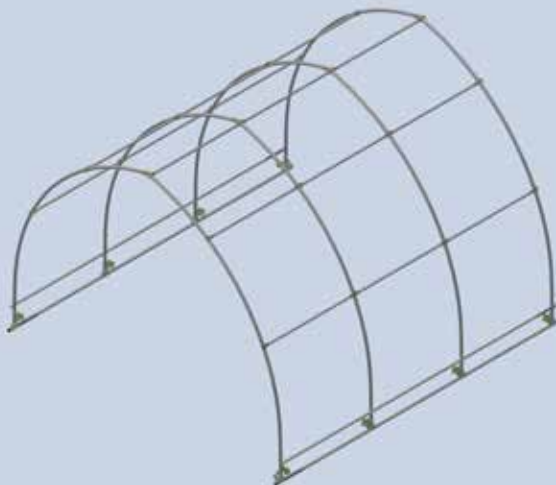
Width:
8 / 10 / 12 / 15 m



PIPE TUNNELHALL

Free standing

Width:
5 / 6,2 / 8 / 9,2 / 12 m



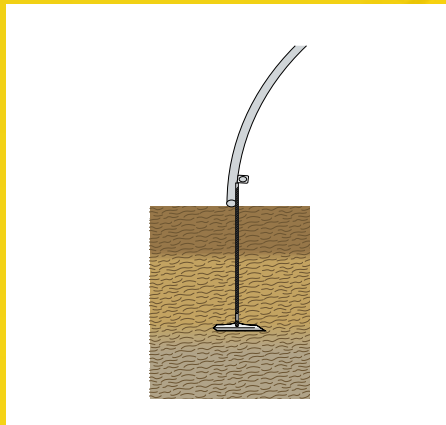
Options

1 ANCHORING SYSTEMS

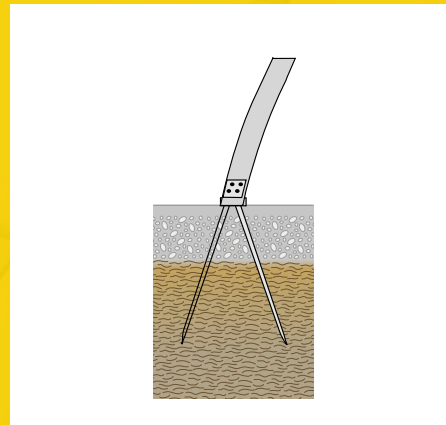
Depending on the location, ground conditions and structural requirements, different foundation options are possible

Our hangar systems are suitable for almost every surface.

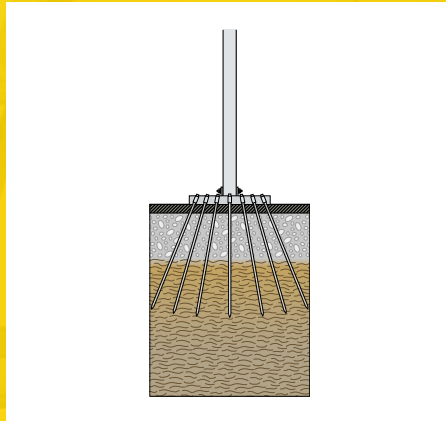
Anchorage by weight



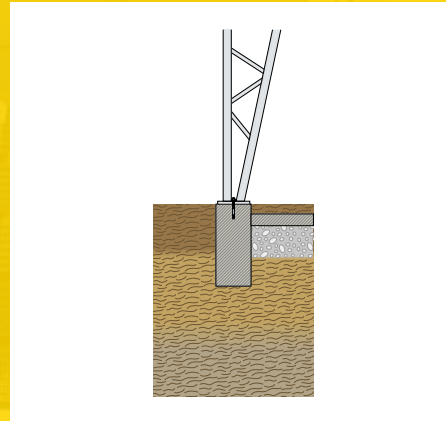
Ground nail



Rod anchorage



Bolt anchor on concrete foundation



2 VENTILATION OPTIONS

Ridge solutions

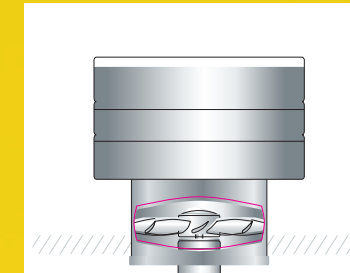
Double sided illumination / ventilation ridge or table ridge



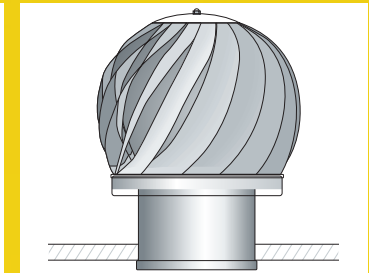
Double sided illumination / ventilation ridge

Ventilators

Static fan or dynamic fan with controller depending on the volume of the hall



Electrical ridge ventilator

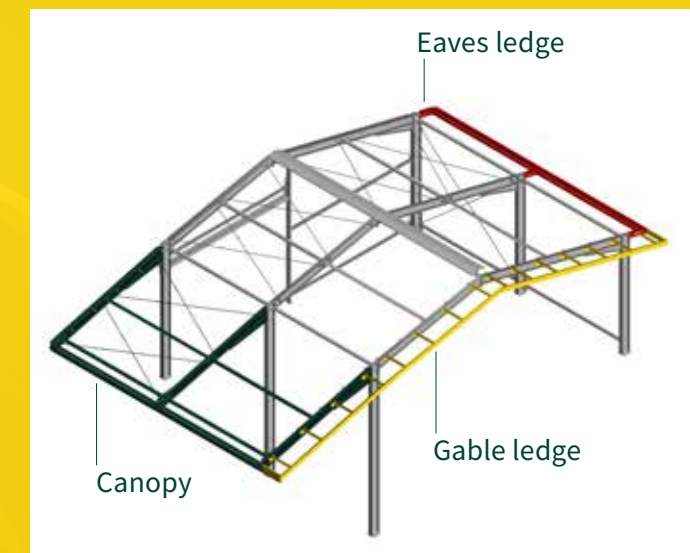


Mechanical ridge ventilator

3 CANOPY SOLUTIONS

Detailed structural solutions result in functionality and architectural diversity

- » Gable ledge: up to 1 m
- » Eaves ledge: up to 1 m
- » Canopy construction: 1 to 5 m



4 INNER MEMBRANE

Advantages

- + Insulation, easy temperature control of the hall
- + Protection against corrosion of the steel construction when storing problematic substances such as fertilizer, chemicals, salt, compost



Hangar with inner membrane

Textile door solutions

For optimum and functional use of our textile halls, AGROTEL offers specific door solutions from our own portfolio. For over 30 years, we are specialized in the production of textile doors, which are produced at our site in Lower Bavaria. We produce according to the individual purposes and requirements of our customers.

All doors can be fitted with net, technical textile, insulation fibre or a combination of netting and sheeting.



BIG-RIB ROLLUP DOOR WST9

Width: max. 7 m / Height: max. 6 m



SLIDING DOOR WST2

Width: max. 18 m / H: max. 6 m



DOUBLE-DOUBLE ROLLUP DOOR WST11

Width: 8–75 m / Height: bis 10 m

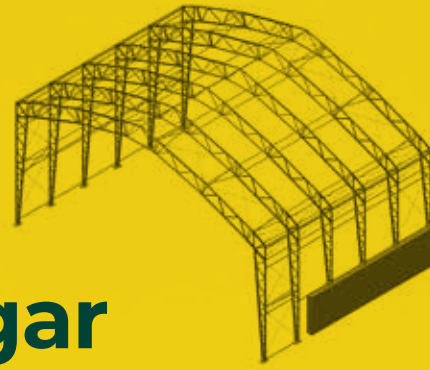


FALDING DOOR WST6

Width: max. 25 m / Height: max. 10 m

- Advantages**
- ⊕ Low installation and storage space for maximum use of the existing opening
 - ⊕ Large gateways without supporting columns
 - ⊕ High durability
 - ⊕ Subsequent assembly possible
 - ⊕ Highest functionality
 - ⊕ TÜV-approved
 - ⊕ Inner-, outer- or middle installation possible

Lattice Support Pitched Roof Hangar



The construction of the lattice support hall consists of hollow steel profiles which are constructed with different dimensioned lattice girders with textile covering and cladding – depending on the structural requirements.

Width: up to 80 m



Storage hall at recycling centre



Compost hangar



Timber storage



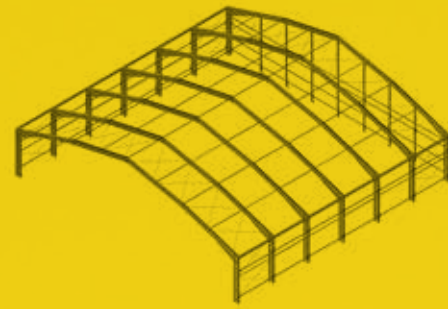
Aircraft hangar



Timber storage at sawmill

- Advantages**
- ⊕ Great span widths possible
 - ⊕ Free standing - without columns
 - ⊕ Short construction times
 - ⊕ High durability and robustness
 - ⊕ Flexible assembly and dismantling

Beam Halls



The construction of the beam halls consist of slim steel profiles (double-T-girders) which are constructed according to the structural requirements.

Width up to 30 m freestanding, up to 60 m supported



Production hall



Machine shop



Processing hall



Steel warehouse



Production hall with inner membrane



Storage hall



Logistic warehouse with photovoltaic system

- Advantages**
- ⊕ Optimum use of space thanks to slim profiles
 - ⊕ Freestanding - without support columns
 - ⊕ Short construction times
 - ⊕ High durability and robustness
 - ⊕ Anchoring without concrete foundation possible
 - ⊕ Flexible in assembly and dismantling

Monopitch Roof Halls



The construction of the monopitch roof hall consists of double-T-girders and can be adjusted according to specific needs, thus offering a high level of individual flexibility.

Width up to 15 m



Storage hall



Workshop



Canopy for boxes



Canopy for boxes with filling and extracting station

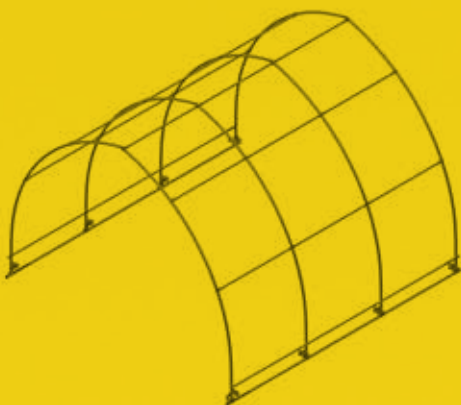


Canopy for boxes

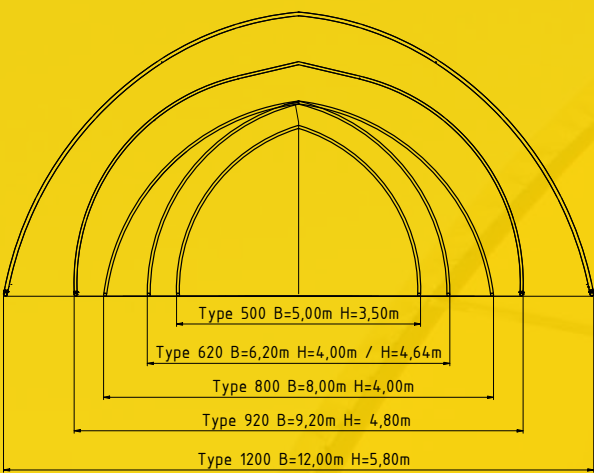
- Advantages**
- ⊕ Large heights for entrance gateways possible
 - ⊕ Ideal where sideways accessibility is required
 - ⊕ Short construction times
 - ⊕ High durability and robustness
 - ⊕ Anchoring without concrete column possible
 - ⊕ Flexible in assembly and dismanteling

Tunnel Halls

1. Steel Pipe Tunnel Hall



The construction of the Steel-Pipe Tunnel Hall consists of round pipes which are rolled into a technical textile covering.



- ⊕ Versatile application possibilities
- ⊕ Optimum cost performance ratio
- ⊕ Flexible assembly and dismanteling as well as expandable
- ⊕ Short construction time
- ⊕ Anchoring without concrete foundation possible

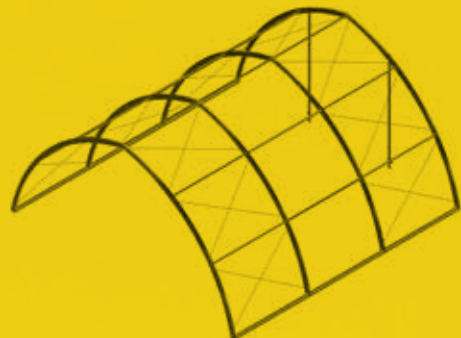


Canopy for recycling yard

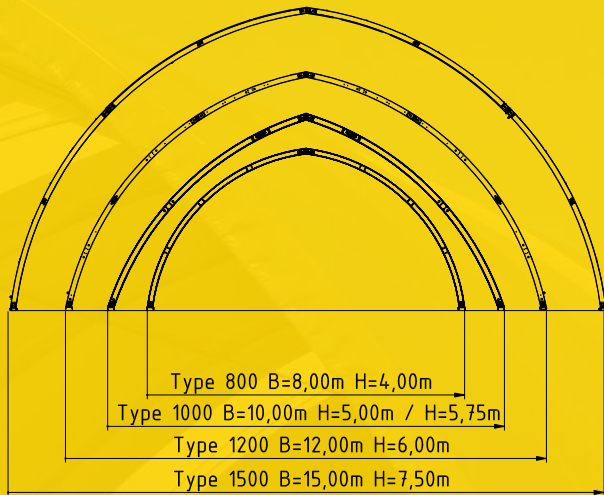


Canopy for boxes

2. I-Beam Tunnel Tall



The construction of the I-Beam Tunnel Hall consist of double-T-girders which are rolled into a technical textile covering.



- ⊕ Great span widths possible
- ⊕ Statically verifiable
- ⊕ Flexible assemly and dismanteling as well as expandable
- ⊕ Short construction time
- ⊕ Anchoring without concrete foundation possible
- ⊕ High wind- and snowloads



I-Beam Tunnel Hall as storage



I-Beam Tunnel Hall as storage for material

References



RECYCLING YARD

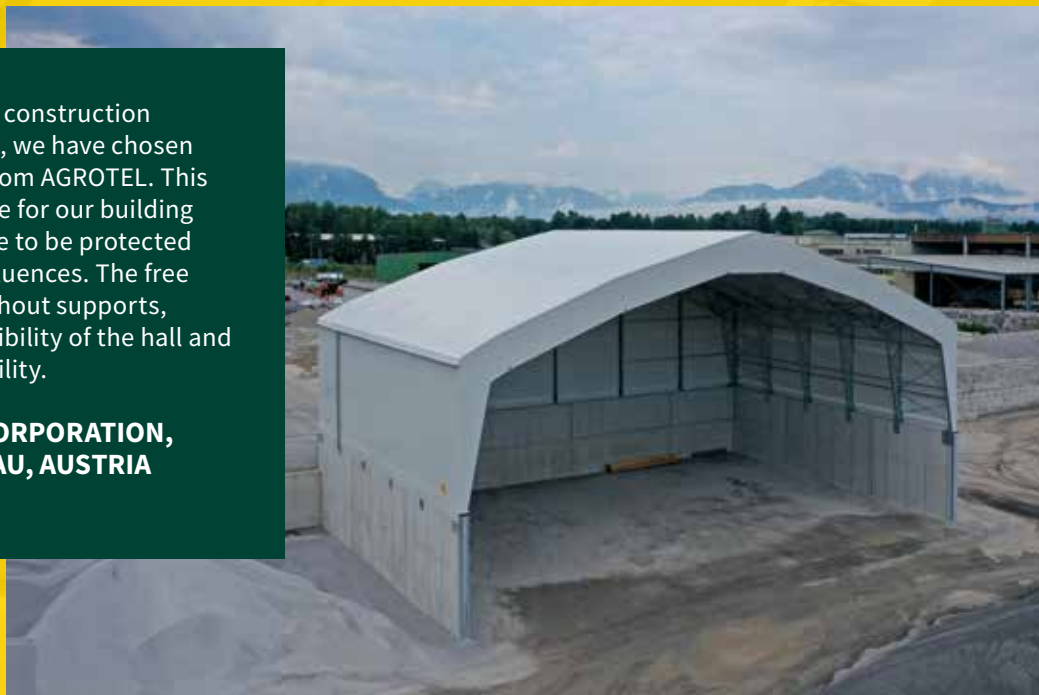
Measurements: L 17,8 m / W 12,5 m / H 12,67

We are mineral and recycling experts and put our trust in the quality of AGROTEL. The high entrance heights allow an optimum management system and the available space can be optimally utilised. The textile hangar represents a future-oriented construction method, which convinces not only due to the good price performance ratio but through the optimal use of resources as well.

**RECYCLING COMPANY, REMEX
MINERALSTOFF GMBH, DEUTSCHLAND**

As one of the leading construction companies in Europe, we have chosen a lattice girder hall from AGROTEL. This created storage space for our building materials, which have to be protected from the weather influences. The free standing system, without supports, facilitates the accessibility of the hall and offers universal usability.

**CONSTRUCTION CORPORATION,
PORR AG ASTRA BAU, AUSTRIA**



STORAGE HALL

Measurements: L 18 m / W 30 m / H 15,15 m

WAREHOUSE

Measurements: L 20 m / W 12,2 m / H 5,27 m



We use the saddle roof hall as warehouse and processing hall for cars. It's an ideal solution to cope with short-term warehouse bottlenecks. We were convinced by the short construction times and high durability of the materials. The available storage space can be used optimally due to the straight and slim profiles. The translucent membrane roof creates a bright and pleasant working atmosphere inside the hall. Therefore, artificial lighting is not necessary during the day.

FORWARDING AGENCY, LAGERMAX D.O.O, CROATIA



CANOPY FOR BULK MATERIAL

Measurements: L 10,0 m / W 4,55 m / H 5,0 m

AGROTEL's canopy for the bulk material boxes has proven its worth due to the durable quality of the materials and the good accessibility. An particularly positive aspect for us was the short construction time, which enabled us to make use of the new storage capacities in a timely manner. Due to the individual production the canopy could be adapted exactly to the already existing concrete blocks.

RECYCLING COMPANY, DHZ, SCHWEIZ



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