AGROTEL®

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 using steel and technical textiles in accordance with 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 in accordance with ISO 9001 and ISO 14001.

Welcome

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

AGROTEL – this is 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 for your project.

Consulting, planning and project management

Our qualified consultants will find the most suitable solution in accordance with your wishes and requirements.

Technical Design

With our experienced staff in our in-house design 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 finishing with state of the art production machines, the company's own steel construction, the in-house metalworking shop as well as a warehouse and logistics centre at our site 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
» Acrylic lacquered
» Flame retardant, low flammability per 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 weld seam adhesion
» Surface weight up to 1.200 g/m² - in accordance with structural requirements
» Production of the fabric in accordance with DIN18204-1 – high-frequency welded

Advantages

⊕ Natural brightness
⊕ Neutral storage of heat / cold
⊕ Highly durable
⊕ Absolute tightness (finished in one piece)
⊕ Lightweight covering compared to other covering materials

2. Steel

Supporting structure

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

Advantages

⊕ Assessment of wind load and snow load depending on location in accordance with EUROCODE EC1 and EUROCODE EC3 (up to 5 kN snowload and up to wind zone 4)
⊕ Steel parts (S355) galvanized per DIN EN ISO 1461:2009
⊕ Hot galvanizing provides lasting protection against corrosion

Benefits

Advantages

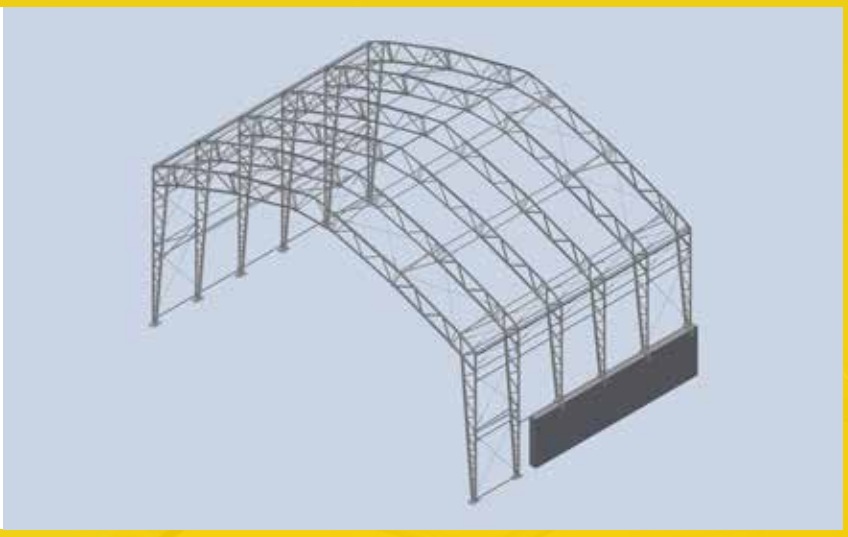
- Offers versatile applications
- Optimum cost performance ratio
- Short construction times
- Short amortization period
- Durable material
- Large span widths – free-standing
- Flexible shapes
- Anchorage options also possible without concrete foundations (depending on static requirements)

Hall types

LATTICE BEAM HALLS

Free standing

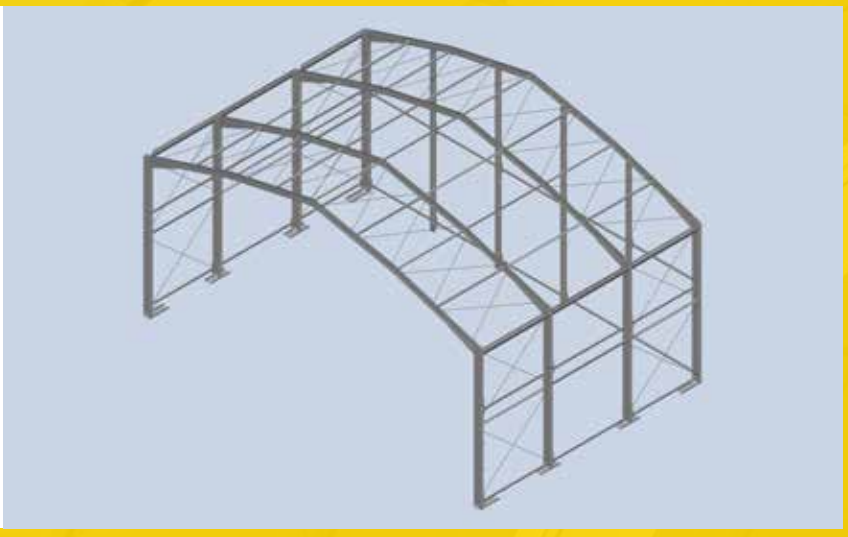
Width up to 60 m,
80 m upon request



BEAM HALLS

Free standing

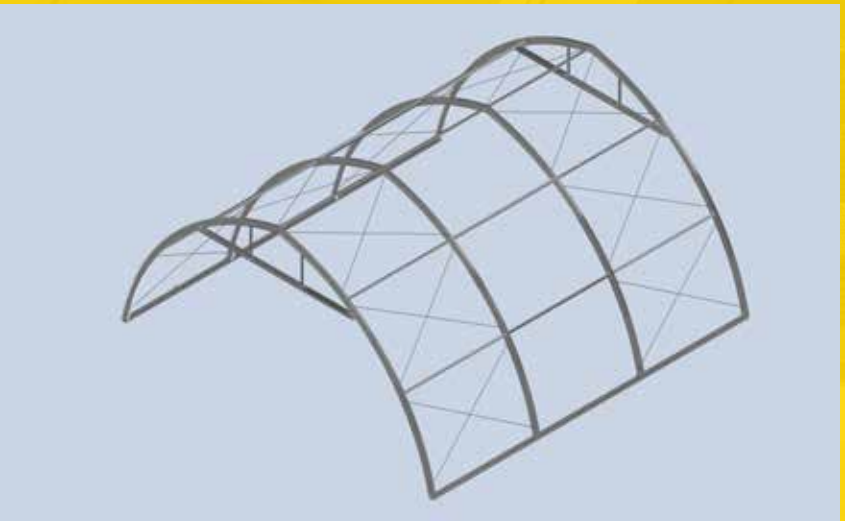
Width up to 30 m

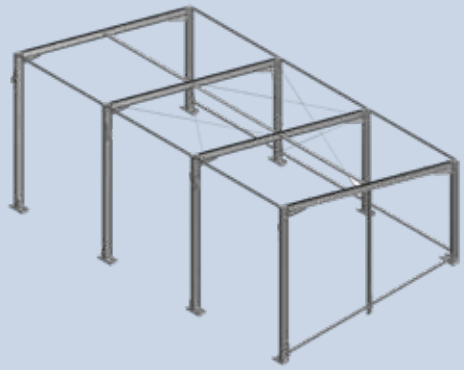


BEAM TUNNEL HALLS

Free standing

Width 8 / 10 / 12 / 15 m

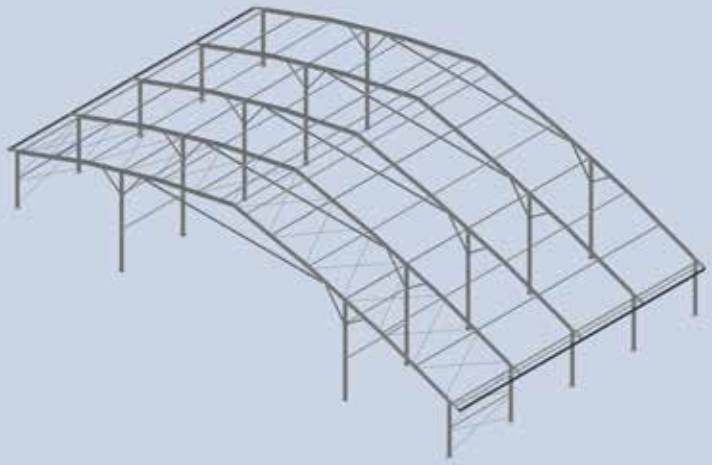




MONOPITCH ROOF HALLS

Free standing

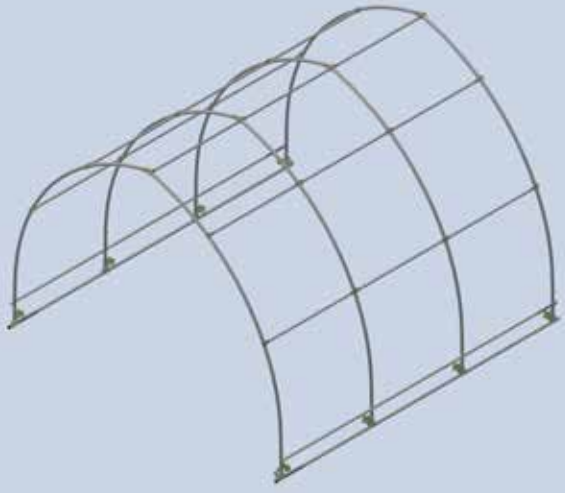
Width up to 15 m



BEAM HALLS

Supported

Width up to 60 m



PIPE TUNNEL HALLS

Free standing

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

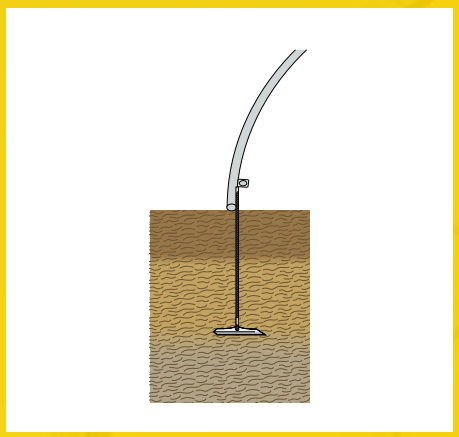
Options

1 ANCHORING SYSTEMS

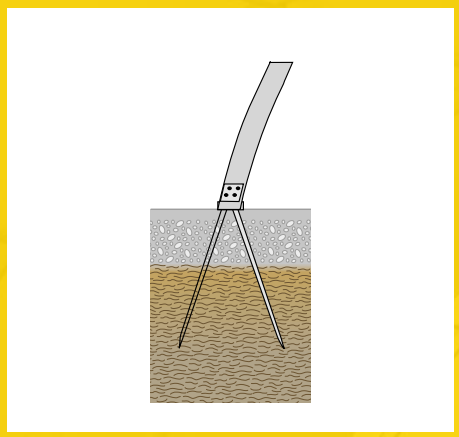
Different foundation options are possible depending on the location, ground conditions and structural requirements

Our hangar systems are suitable for almost every surface.

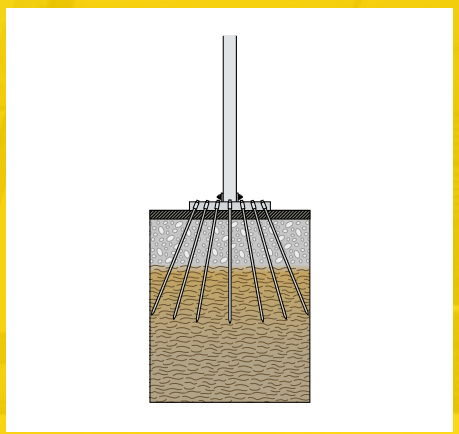
Anchorage by weight



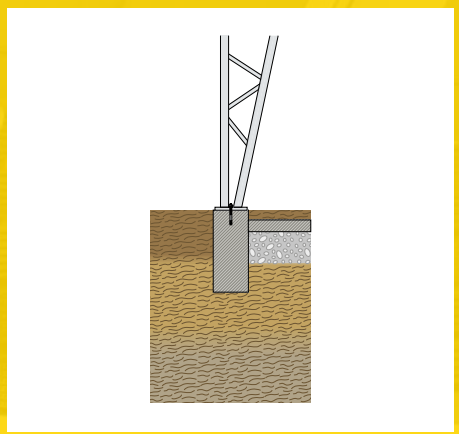
Ground nail



Rod anchorage



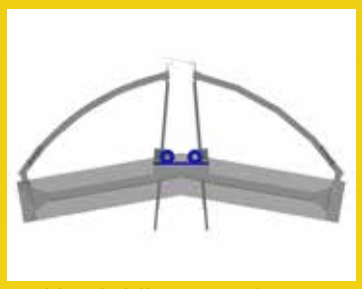
Bolt anchor on concrete foundation



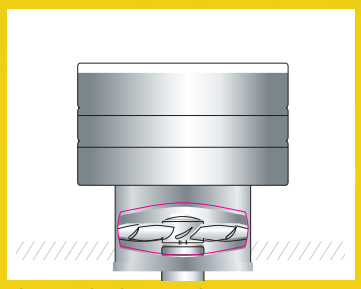
2 VENTILATION OPTIONS

Ridge solutions
Double sided illumination / ventilation ridge or table ridge

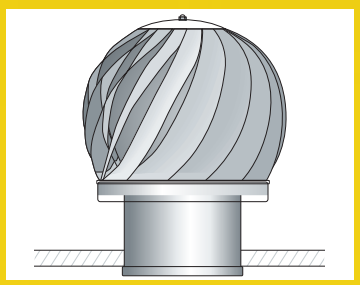
Ventilators
Static fan or dynamic fan with controller depending on the volume of the hall



Double sided illumination / ventilation ridge



Electrical ridge ventilator

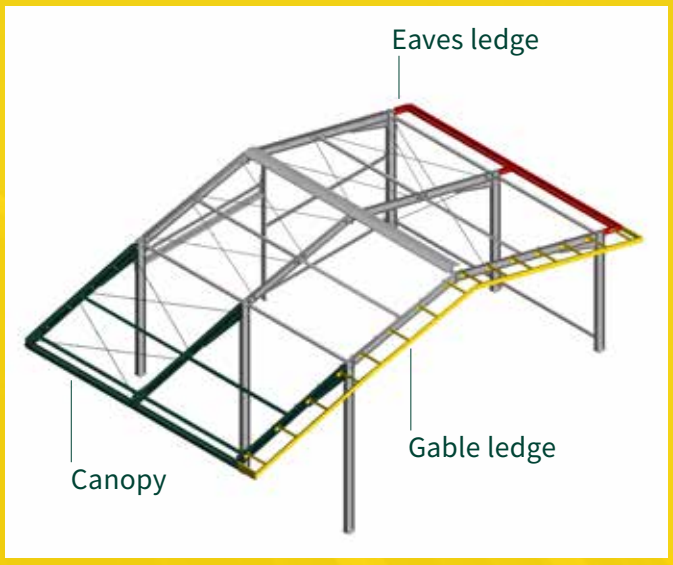


Mechanical ridge ventilator

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 have specialized in the production of textile doors, which are produced at our site in Lower Bavaria. Our production is tailored 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 ROLL UP DOOR WST9
Width: max. 7 m / Height: max. 6 m

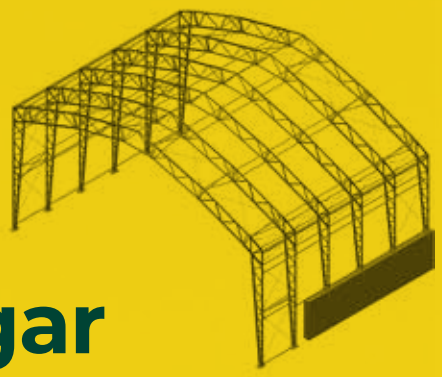
Advantages

- Low installation and storage space for maximum use of the existing opening
- Large gateways without supporting columr
- Highly durable
- Subsequent assembly possible
- Highest functionality
- TÜV-approved
- Inner-, outer- or middle installation possible

SLIDING DOOR WST2
Width: max. 18 m / H: max. 6 m

DOUBLE DOUBLE ROLL UP DOOR WST11
Width: 8–75 m / Height: bis 10 m

FOLDING DOOR WST6
Width: max. 25 m / Height: max. 10 m



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

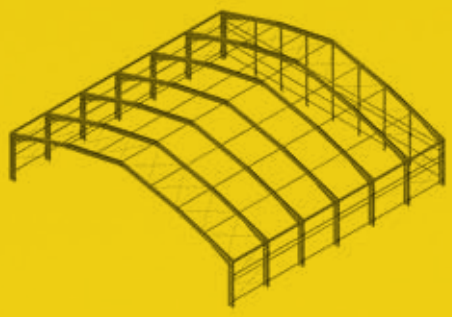
Advantages

- Large span widths possible
- Free standing - without columns
- Short construction times
- Highly durable and robust
- Flexible assembly and dismantling

Aircraft hangar

Timber storage at sawmill

Beam Halls



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

Width up to 30 m free-standing, up to 60 m supported

Production hall

Machine shop

Processing hall

Advantages

- **Optimum use of space thanks to slim profiles**
- **Free-standing - without support columns**
- **Short construction times**
- **Highly durable and robust**
- **Anchoring possible without concrete foundation**
- **Flexible in assembly and dismantling**

Steel warehouse

Production hall with inner membrane

Storage hall

Logistic warehouse with photovoltaic system

Monopitch Roof Halls

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

Width up to 15 m

Storage hall

Workshop

Canopy for boxes

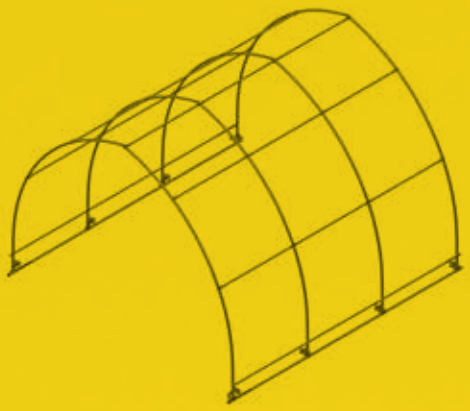
Canopy for boxes with filling and extracting station

Canopy for boxes

Advantages

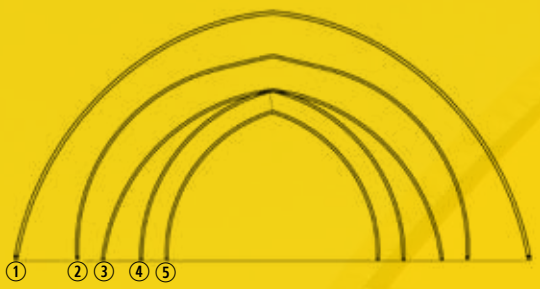
- Large heights for entrance gateways possible
- Ideal where side accessibility is required
- Short construction times
- Highly durable and robust
- Anchoring possible without concrete foundation
- Flexible in assembly and dismantling

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.



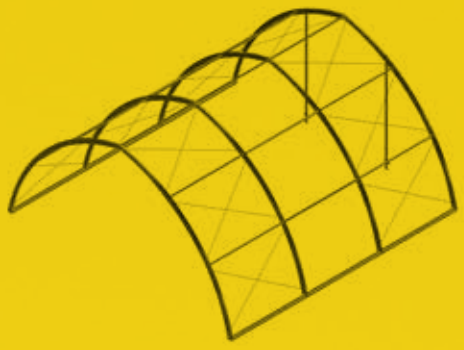
① **Type 1200** W = 12 m, H = 5,80 m
② **Type 920** W = 9,20 m, H = 4,85 m
③ **Type 800** W = 8,00 m, H = 4,00 m
④ **Type 620** W = 6,20 m, H = 4,00 m / 4,65 m
⑤ **Type 500** W = 5,00 m, H = 3,50 m

Advantages

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

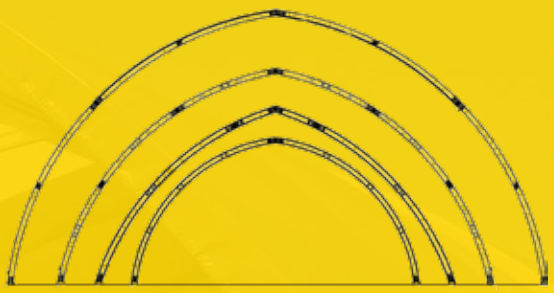
Canopy for recycling yard

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.



① Type 1500 W = 15,00 m, H = 7,50 m
② Type 1200 W = 12,00 m, H = 6,00 m
③ Type 1000 W = 10,00 m, H = 4,95 m /5,75 m
④ Type 800 W = 8,00 m, H = 4,00 m

Advantages

- ⊕ Large span widths possible
- ⊕ Statically verifiable
- ⊕ Flexible assembly and dismantling as well as expandable
- ⊕ Short construction time
- ⊕ Anchoring possible without concrete foundation
- ⊕ High wind loads and snow loads

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 impresses not only due to the good price-performance ratio but through the optimal use of resources as well.

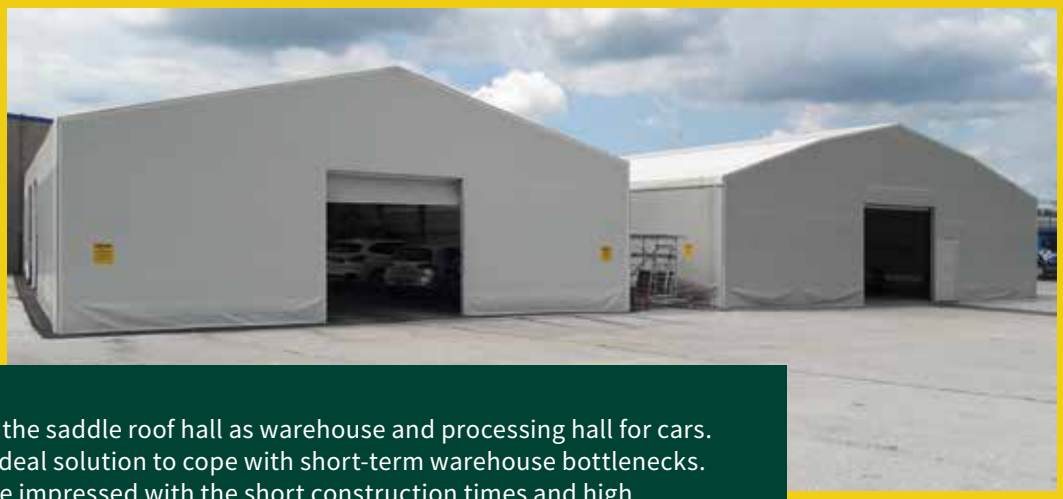
RECYCLING COMPANY, REMEX MINERALSTOFF GMBH, GERMANY

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 influences of weather. The free standing system, without supports, facilitates the accessibility of the hall and offers universal utilisation.

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 impressed with 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 accessability. 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 concrete blocks that were already existing.

RECYCLING COMPANY, DHZ, SCHWEIZ

Textile Hangar Systems

INDUSTRY AND TRADE

AGROTEL GMBH
HARTHAM 9
94152 NEUHAUS AM INN
GERMANY

TEL.: +49 (0) 8503 914 99 0
FAX: +49 (0) 08503 914 99 33
E-MAIL: INFO@AGROTEL.EU

AGROTEL HANDELSGES.M.B.H.
GOLDBERG 2
4761 ENZENKIRCHEN
AUSTRIA

TEL.: +43 (0) 7762 2777 0
FAX: +43 (0) 7762 2777 33
E-MAIL: OFFICE@AGROTEL.EU

YOUR CONTACT PERSON

Agrotel

www.agrotel.eu