Innovative fabric buildings

Rubb are industry leaders when it comes to safe, high-quality solutions that are built to last.

BMT GROUP

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RUBB Building Systems

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We design and manufacture high-quality, relocatable, and permanent fabric buildings.

With over 45 years of experience, Rubb is a leading provider of tailor-made fabric-clad, steel-frame structures. We work closely with end users to ensure our clearspan building designs incorporate the most efficient use of available space.

All our projects are designed and manufactured at our UK plant in Gateshead, Tyne and Wear. Founded in 1977 we have a proud history of delivering quality fabric structures to a wide range of clients.

Highlights include ground-breaking military and MRO hangars, warehouses, workshops, custom-designed specialist sport and storage buildings for a variety of sectors.

Rubb has a worldwide reputation for responsible design and engineering, with a strong commitment to code and standards.

We value excellence in engineering, and this ethos is reflected in everything we do.

Advantages

Low maintenance and costs

Our high-quality membrane materials and post-production galvanized welded frames deliver durability over time, making the cost of maintaining Rubb buildings more economical compared to conventional structures.

Energy-efficient roof membranes

Translucent membranes allow natural daylight to illuminate the workspace while the white roof surface reflects heat. Thermohall® insulation can minimise heat transfer, prevents condensation and virtually eliminates thermal bridging and air infiltration.

Structure quality

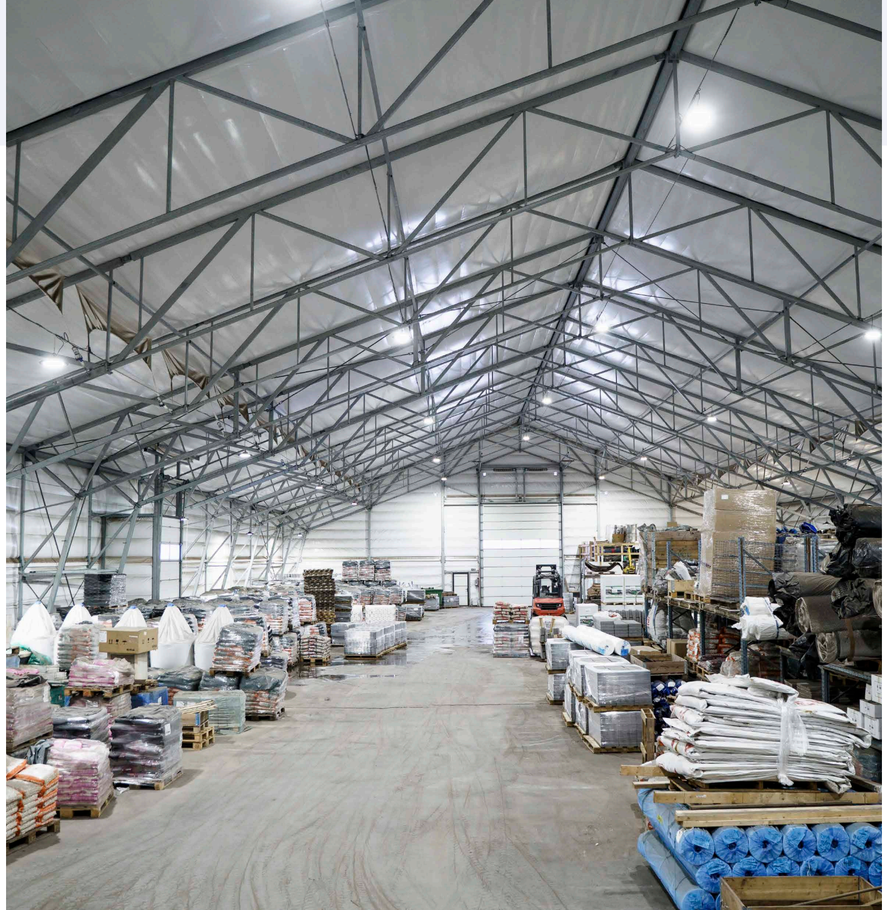
All structures are code complaint, designed to its location's wind and environmental requirements. Our PVC cladding has a manufacturer's warranty of 10 years. Steelwork is hot-dip galvanized to eliminate corrosion, and comes with a 25-year warranty.

Multiple door options

Rubb offers a variety of different building door solutions. They can be selected and designed to suit many size and opening requirements. This flexibility ensures that our clients get the best option suited to their operational needs.

Complete environmental control

The membrane cladding of a Rubb building is continuously sealed to provide a weather-tight shell. The buildings can be insulated, heated or air-conditioned as required. Rubb structures are uniquely suited for use as dehumidified facilities.



Over 50 years of experience.
Whatever you need, we can build.

Reduced time on-site

Our established supply chain streamlines coordination of delivery and installation. Pre-fabricated elements and the ability to construct our buildings in a variety of weather conditions speeds up the construction process.

Rapid construction, installation, and relocation

Rubb buildings can be quickly erected, dismantled and relocated due to module pre-fabrication. Rubb can provide site supervisors or fully dedicated construction teams to complete any custom project. Structures are transportable by land, sea, and air.

Flexible and cost-efficient foundation systems

Rubb buildings can accommodate many foundation options such as concrete up-stand, ballast weights, and ground anchors into an existing surface. Rubb co-ordination with the groundwork contractor is key for the client to reach the most cost-effective solution.

Customisable features

Buildings can accommodate all types of door, ventilation and other systems. They can safely support high loads imposed by overhead cranes, ceiling-mounted HVAC and fire-suppression systems, fall-protection equipment, and other superimposed loads.

Comprehensive long-term service

Rubb personnel are on hand to provide help and support, from initial contact and quotation, to installation and beyond. Rubb's commitment to customer service continues after project completion and forms the basis for long-term customer satisfaction.

Storage & logistics

Rubb warehouse structures are ideal storage solutions to help companies accommodate their expansion plans or meet changing logistical needs.

Rubb's innovative fabric engineered structures offer a range of proven storage and warehouse solutions. Our large clear spans and high translucent ceilings provide a bright, efficient working environment. Rubb structures are built to last but are fully relocatable or extendable to meet changing requirements.

Environmental control
Membrane cladding provides a sealed weather-tight shell.

Flexible foundations
Many cost-saving foundation options can be chosen.

Dehumidification facilities
Uniquely suited for use as dehumidified facilities.

Fire safety ratings
Excellent fire safety ratings, reducing insurance cost.

Storage

Distribution

Cold storage

Processing

Mining & bulk storage

Rubb is a leading provider of tailor-made mining and energy facilities.

Rubb buildings meet the high demands of the mining and energy sectors—they are robustly engineered to stand up to tough climatic conditions and can be erected quickly at remote locations.

Rubb offers a wide range of facilities suitable for temporary or permanent building solutions.

Sustainability & ESG
Responsible practices and reduced environmental impact.

Flexible foundations
Many cost-saving foundation options can be chosen.

Weather protection
Protection from weather and reduced pollution.

Remote locations
Easily installed in remote locations.

Stockpile sheltering

Bulk storage

Equipment storage

Maintenance facilities

Port & marine

Port and marine structures can be custom designed to meet a variety of bulk handling methods.

Relocating and extending these modular fabric buildings is easy and cost-effective in a busy ever changing environment.

Rubb buildings are ideal for warehousing a variety of goods including sensitive materials. Rubb climate-controlled buildings facilitate dehumidification systems and protect your valuable materials from strenuous marine environment conditions.

Flexible & relocatable
Relocatable and extendable modular buildings.

Flexible foundations
Many cost-saving foundation options can be chosen.

Unstable foundations
Unstable ground conditions do not impact integrity.

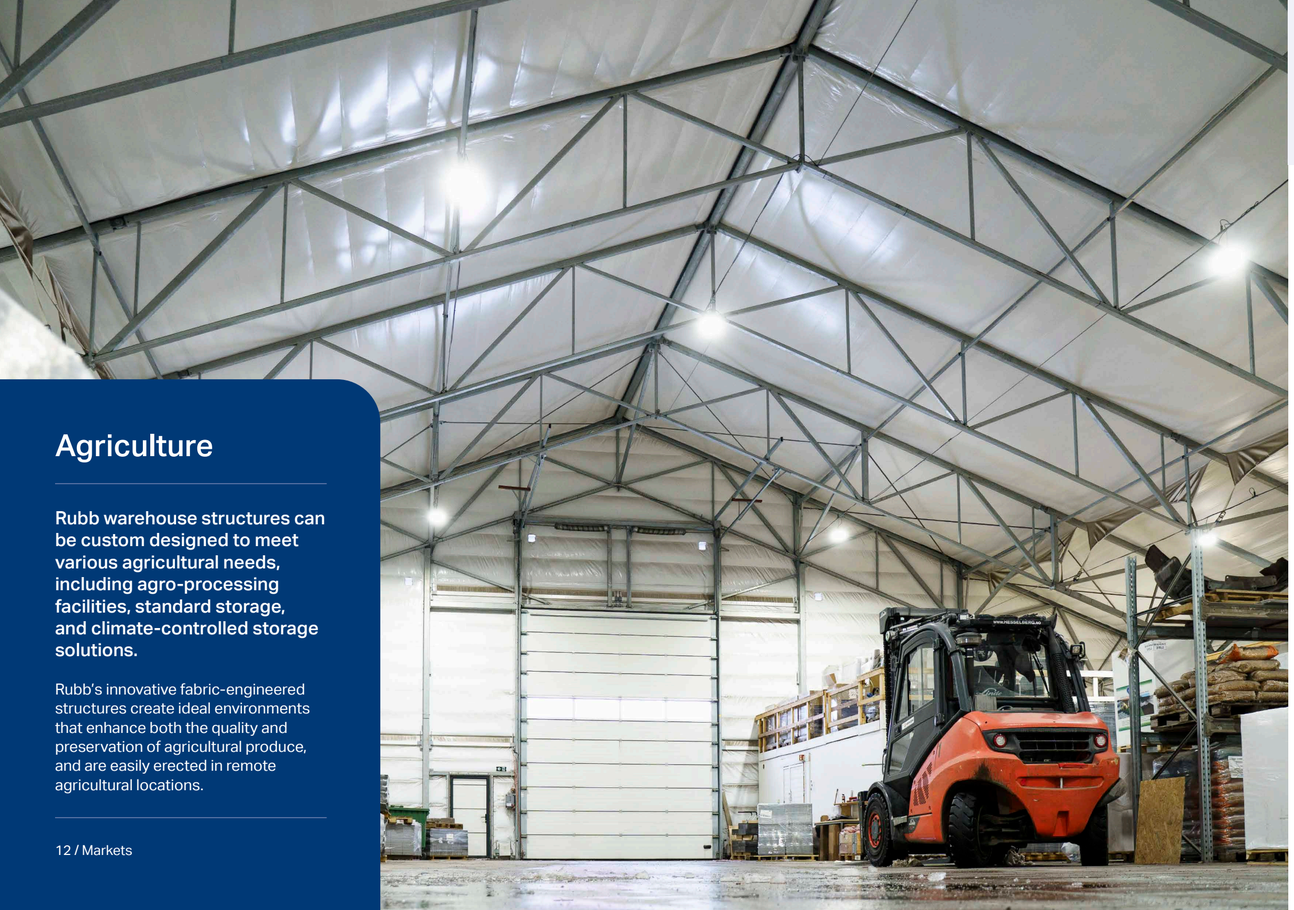
Non-corrosive
Hot-dip galvanized steel & PVC for superior corrosion resistance.

Port storage

Bulk storage

Dehumidified storage

Crane liftable buildings



Agriculture

Rubb warehouse structures can be custom designed to meet various agricultural needs, including agro-processing facilities, standard storage, and climate-controlled storage solutions.

Rubb's innovative fabric-engineered structures create ideal environments that enhance both the quality and preservation of agricultural produce, and are easily erected in remote agricultural locations.

Environmental control
Membrane cladding provides a sealed weather-tight shell.

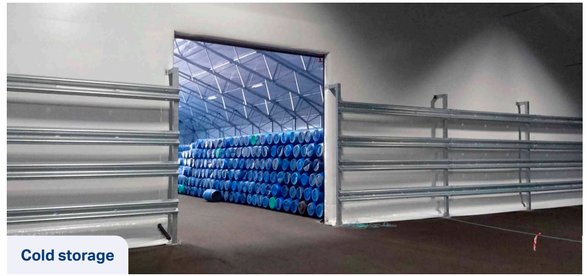
Suitable for difficult sites
Installation on uneven or sloping sites.

Dehumidification facilities
Uniquely suited for use as dehumidified facilities.

Flexible & relocatable
Relocatable and extendable modular buildings.

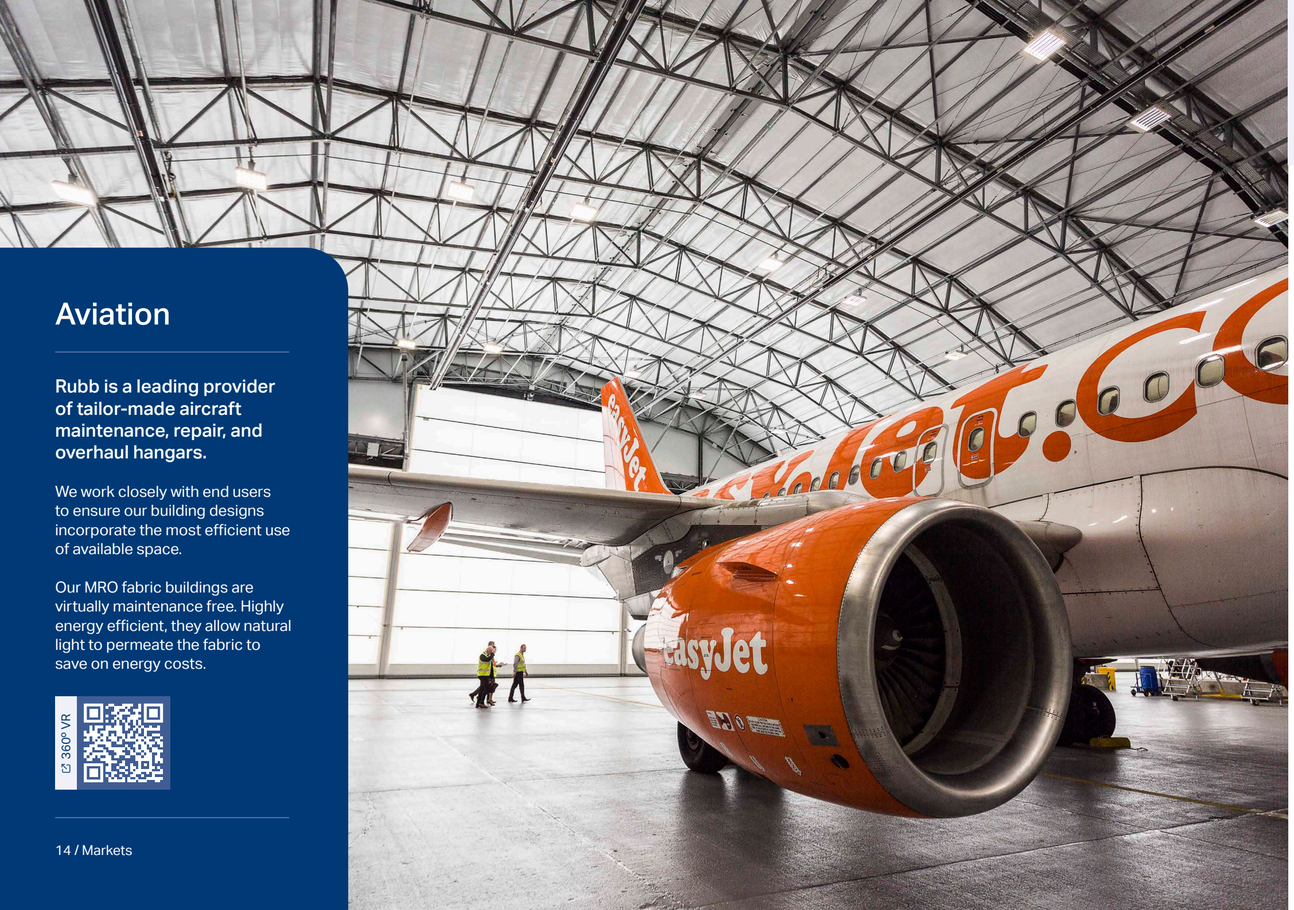
Raw material storage

Agro-processing



Cold storage

Equipment storage



Aviation

Rubb is a leading provider of tailor-made aircraft maintenance, repair, and overhaul hangars.

We work closely with end users to ensure our building designs incorporate the most efficient use of available space.

Our MRO fabric buildings are virtually maintenance free. Highly energy efficient, they allow natural light to permeate the fabric to save on energy costs.

360° VR

Large clear-spans
Wide open clear space with no support columns.

Flexible foundations
Many cost-saving foundation options can be chosen.

Multiple door options
Variety of solutions for many opening requirements.

Flexible & relocatable
Relocatable and extendable modular buildings.

MRO hangars

Helicopter hangars

Airport terminals

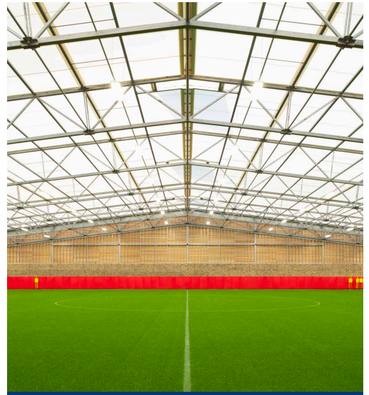
Air cargo facilities

Other markets

A Rubb fabric building can be used for many applications.

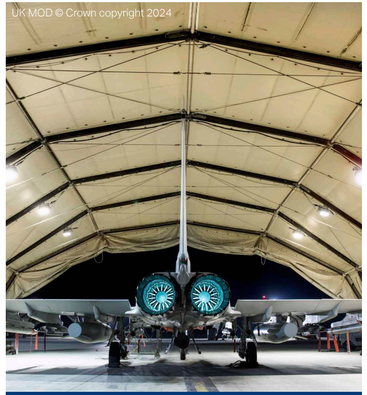
Can't see your market?
Don't worry. We custom design.

Rubb's experienced engineers have the skills to provide architectural, custom-designed solutions to overcome any sector's challenges. Talk to the team to find out how we can help your project.



Sport

Play and train in all weather conditions, all year round with a custom-designed Rubb sports facility. They can be configured for a wide variety of sports.



Military

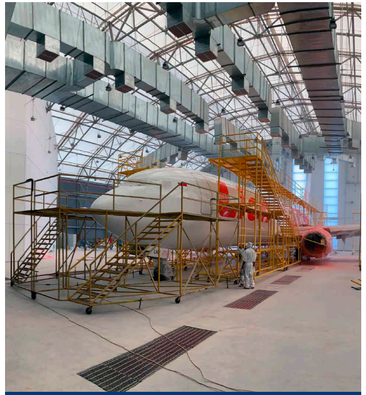
Rubb's military building range features relocatable rapid erect military structures for aircraft and helicopters, military storage warehouses, and sunshades.

Salt & sand

A superior alternative to wooden and metal bulk storage facilities. They can be designed to accommodate conveyors and other processing methods.

Emergency relief

Our emergency relief shelters can be easily transported and rapidly constructed to provide support in worldwide emergency situations.



Industrial paint & blast

Rubb's facilities offer flexible and affordable protective solutions for manufacturing, industrial blasting, and painting.

Waste & recycling

In an increasingly eco-conscious world, Rubb's waste management buildings and recycling facilities have the flexibility to help meet all your environmental targets.

ThermoHALL

Rubb's insulated cladding system

Rubb's patented Thermohall® features a flexible insulated fabric system, offering major advantages over other insulating systems.

- Non-combustible glass wool is encapsulated in air and water tight pockets
- Insulation thickness from 50mm (2in) to 150mm (6in)
- No air gaps in the cladding, helping to reduce heat loss and condensation
- Buildings are fully relocatable

Development of Thermohall® started many years ago, with the goal of an efficient and sustainable insulation system. Thermohall® is now fully developed and patented, offering impressive energy savings and environmental benefits—both in fabrication and operation.

- Rubb uses a heavy-duty PVC fabric with a long, useful life and high density, non-combustible glass wool insulation
- All materials are recyclable. Steel can be recycled through various means and PVC can be recycled through initiatives which are part our operational supply chain. The insulation material is processed from recycled glass
- Rubb Thermohall® structures combine the best properties of both conventional buildings and fabric buildings: high thermal insulation and full relocatablity. All Thermohall® buildings can be delivered to suit your insulation requirements

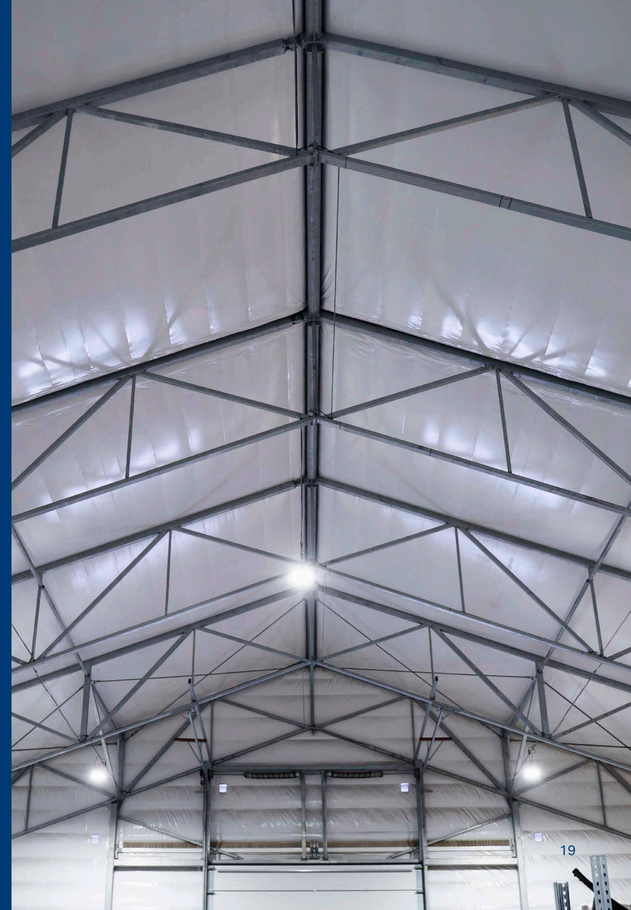
Thermohall® technical specification

Thickness	U Value (SI) W/m2K	R Value (US) ft-F-hr/BTU
50mm (2in)	0.67 W/m2K	R11
100mm (4in)	0.36 W/m2K	R19
150mm (6in)	0.25 W/m2K	R27

Outer layer
Flame retardant heavy-duty fabric

Core
High-density glass wool insulation

Inner layer
Self-cleaning PVC fabric



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