



Storage warehouses



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

Rubb's innovative fabric engineered, high quality structures offer a wide 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 needs.

Rubb industrial bulk storage buildings can be easily converted, adapted or relocated to store additional products, providing a more flexible storage facility.

Rubb storage buildings are easily custom designed to accommodate conveyors and other loading methods. Retaining sidewalls can also be integrated to resist lateral loadings. Our storage buildings have been used to store everything from biomass to perlite, and often serve as salt sheds for local authorities.

Advantage points

Low Maintenance / Low Costs

Our high-quality membrane materials and post-production galvanized welded frames deliver durability over time, making the average daily cost of a Rubb building more economical than conventional metal structures.

Energy-Efficient Roof Membranes

Translucent membranes allow natural daylight for a bright workspace, and the heat reflectivity of the white roof surface keeps the building cooler. Optional Thermohall™ insulation minimises heat transfer, prevents condensation and virtually eliminates thermal bridging and air infiltration.

Proven Fire Safety Performance

Rubb buildings offer significant fire safety advantages over other building types, including lower risk of combustion, flashover and structural failure, even in severe fires.

Rapid Construction, Installation and Relocation

Rubb buildings can be quickly erected, dismantled and relocated due to pre-engineering and pre-fabrication. Many storage structures are air transportable for quick deployment. Relocatability means that these structures can often be classified as equipment.

Flexible and Cost-Efficient Foundation Systems

Smaller-span Rubb storage buildings can be installed with relocatable foundations. An example of this would be to use concrete ballast weights.

Comprehensive Long-Term Service

Rubb's commitment to customer service continues after project completion and forms the basis for long-term customer satisfaction.

Reduced Time On-Site

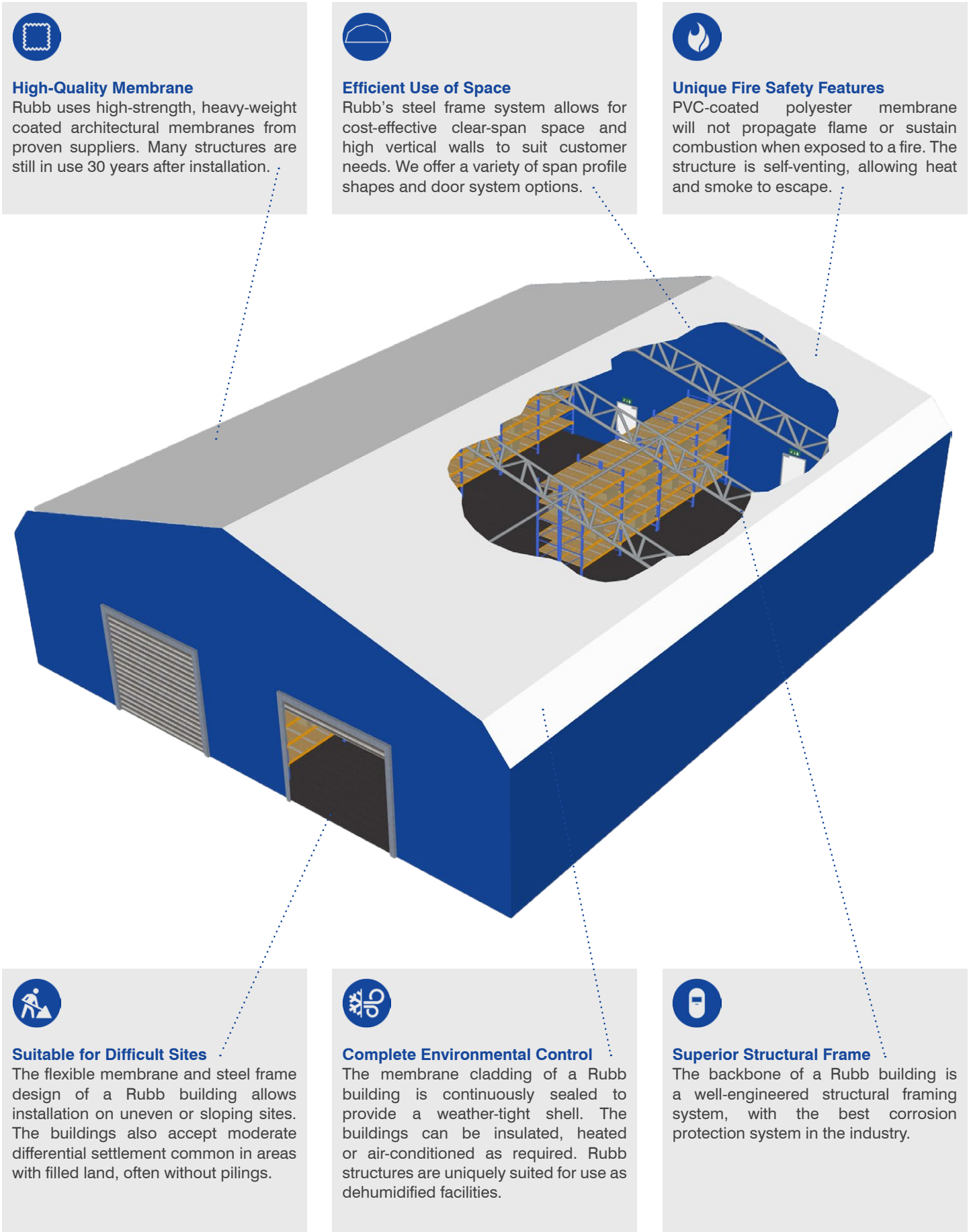
Our established supply chain streamlines coordination of delivery and installation. Pre-fabricated elements and the ability to construct our buildings in a variety of weather conditions reduce chances of delays.

Powerful and Customisable Features

Rubb buildings are designed for full code-compliance with respect to wind, snow and seismic loads with minimal deflection under load. They can efficiently interface with all types of door, ventilation and other systems and safely support high loads imposed by overhead cranes, ceiling-mounted HVAC and fire-suppression systems, fall-protection equipment and other superimposed loads.



Technical Specifications



Tradewood and Co

101m span x 95m long Triple Link BVE

Having the capability to increase storage capacity is critical for many businesses. Rubb provides storage building solutions to help companies optimise their growth and profitability.

The triple link warehouse facility Rubb created for Tradewood Agencies in Belfast, Northern Ireland, is a massive structure measuring 101m wide and 95m long. This storage building features a floor area of 9,595m².

The warehouse provides plenty of space to store a range of timber and timber products including doors, flooring and plywood for distribution throughout Ireland and the UK. The facility boasts an overall height of 12.93m, which coupled with Tradewood's translucent roof, enhances the bright interior typical of a Rubb building.

On completion of the main structure the client added a 320m² mezzanine floor to provide office space for its growing team of employees. The UK based Rubb team was readily available to provide advice, support, recommendations, site visits and ongoing solutions regarding the design and construction of the project.



E.ON Energy

31.5m span x 137.5m long BVC

Rubb delivered its tallest structure to date and first biomass fuel processing and storage facility to energy giant E.ON UK.

The 31.5m span x 137.5m long building at Ironbridge Power Station, Shropshire, UK, has an apex height of 21m. The roof provides rigidity with minimum deflection, providing stability and support for a 200 ton roof-mounted conveyor system used for the dispersal of biomass fuel products. The structure features a roof pitch of 35° which was designed around the angle of repose of the biomass materials being processed at the plant. All elements of the structure were designed and manufactured in the UK.

Martin Wylie, AJS Renewable Energy Divisional Manager, said: "The real breath of fresh air for AJS was to work with a UK turnkey contractor, a company who can design, manufacture and install the complete package, providing auditable quality procedures and more importantly an excellent understanding of UK Health, Safety and Environmental regulations. Rubb Buildings have developed a product that can be rolled out globally across the renewable industry sector and we would be more than happy to recommend their services to any prospective client."



Belfast Harbour

45m span x 217.5m long BVE

Rubb helped a storage building project grow at the Port of Belfast.

Rubb began working with Belfast Harbour Commissioners in 2001 to ensure that their ever changing and ever expanding storage requirements were met as use of the port developed.

The first port building was erected in 2001 at the head of the dockside area. It measures 24m span x 45m long. In 2003 a much larger port structure measuring 45m span x 175m long was installed at a different location on the dockside and in 2004 this was extended to 217.5m in length.

In 2005 the Rubb design team was given a brief to erect the largest possible building on the remaining land on this site. Careful consideration had to be given to the design because of restrictions created by the nearby dockside traffic.

A 32m span x 60m long building was installed, maximising all possible space available. This increased the storage area constructed by Rubb to a massive 14,347m².



Port of Sunderland

28m span x 65m long BVE

Rubb Buildings Ltd provided a cost efficient solution for Sunderland City Council at Hendon Docks. This versatile cargo storage area was needed to develop the Port of Sunderland's cargo handling capabilities.

In conjunction with SGW Construction, Rubb erected a 24m span x 65m long BVE cargo handling and storage facility with 7.65m sidewalls.

The design and quality of the structure provides a safe and pleasant cargo storage solution.



A clear span hot dip galvanized framework allows the maximum use of available storage space.

The translucent roof provides a natural source of light and the customised structure ensures safe and secure access to the facility.

Marc Simpson of Robertson Simpson Ltd, the architect and project manager, said: "Rubb Buildings helped us to provide the best and most cost efficient answer for the needs of Sunderland Council to deliver on this project."



Virginia International Terminal

30m span x 306m long FXI

The most impressive aspect of this 30m x 306m FXI port structure is its length. The project requirements were well suited to the technical advantages of Rubb building systems.

The building was leased to WM Jordan for three years, with an option to extend. This provided Virginia International Terminal with the flexibility it needed to manage its ever changing logistical requirements. The building can stand permanently in Newport News, or be relocated to another port if needed.

The translucency of the PVC roof provides excellent natural interior lighting conditions. This helps lower energy costs and supports an efficient working environment and the safety of personnel and goods stored in the building. The Virginia International Terminal building is also used to store valuable machinery.

VIT and leaseholders WM Jordan were very pleased with the quality, robustness, and overall performance of the completed Rubb port storage building.



Rockwool

Rubb Buildings Ltd rose to the challenge to design, manufacture and install a custom overspill storage building for Rockwool's insulation production line and packaging facility in South Wales.

Rubb provided a custom insulation storage building featuring an assymetrical roof truss. The building includes a 15.25m wide front span for the first 25m of the building's length. It then extends out to a 20.25m wide span for the remaining 15m of the structure's length towards the rear gable end.



Port of Workington

The Port of Workington's structures measure 25m span x 32m in length and 25m span x 61m in length. These port facilities provide storage space for animal feed and protection from the elements and light. The design features a split storage capability.

The client required a dark covered port storage facility as animal feed needs to be protected from light, however the translucent PVC material used on other Rubb ports projects provides a brighter working environment without the need for windows.



Liftable. Moveable. Extendable. Relocatable.

Rubb Buildings Ltd specialises in the design, manufacture and erection of robust and reliable engineered fabric covered structures.

Rubb's BLE Series of port storage and warehousing buildings are extremely versatile and feature many qualities that can benefit port organisations.

Rubb structures are strong, durable, competitively priced, extendable, relocatable and custom designed to meet your specific project and location requirements.

In addition, BLE facilities are equipped with lifting points, providing crane connections which allow the structure to be elevated into position.

The BLE Series can also be designed to be mounted and run on a track system to provide a perfect solution for large scale production lines or coverage of ships and dry docks.

Rubb's BLE buildings are easily extendable and can also be relocated as required. Our experienced team of design engineers can provide a tailor made solution to suit your logistical needs.

Harland and Wolff

30m span x 35m long BLE

Rubb Buildings Ltd was tasked with designing, manufacturing and erecting two crane liftable buildings to cover offshore pile clusters.

The two buildings feature spans of 30m and each measure 35m in length. To increase the overall internal apex height of the manufacturing bays to 20.2m, H&W decided to use 40ft containers as the buildings' foundations.

A custom designed supporting frame was used to hold the containers together and act as the fixing base for the Rubb BLE structures.

The buildings are designed with reinforced base beams and anchor brackets so they can be easily lifted from their container foundations and moved to one side. This allows the client to then crane lift materials into the space within the foundation frames for manufacturing procedures. The building is replaced to protect employees and materials from the elements.

Each gable end of both structures includes a pedestrian door and a 4m x 4m roller shutter door for equipment access.



Structure types

Rubb has the capability and experience to design, manufacture, deliver and install custom structures.

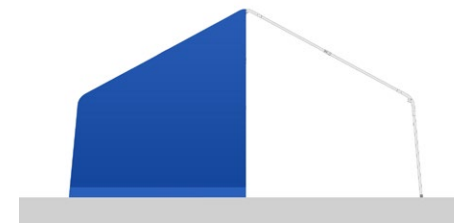
With Rubb, you can be sure everything is under control from concept to completion – including cost, quality and delivery.

While we generally have the right standard structure available to meet project needs, Rubb can also design custom solutions to meet special requirements. We have the in-house resources to provide a cost effective solution customised to our clients' needs.

Design - Using proven engineering software, we can tailor the project to the specific requirements of the site, type of cargo and logistical needs

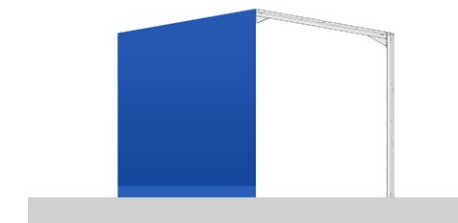
Production - Steel and membrane components are fabricated with proper equipment and quality control

Installation - Pre-engineered and pre-fabricated to make on-site installation by a Rubb crew, or your crew, go smoothly and efficiently



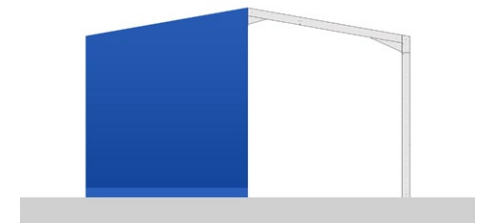
THA Shelters

THA Rubb shelters are available in 6m, 8m, 10m, and 12m span widths with 3.3m high sidewalls. These industrial tents can be supplied by any length in 3m modules.



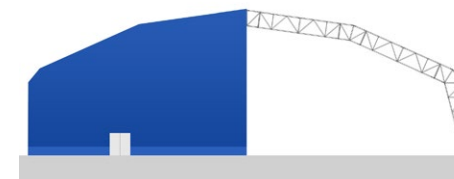
BVR Structure

The BVR structure type features rectangular leg and roof box sections. This takes up less space and therefore provides more overall internal clearance.



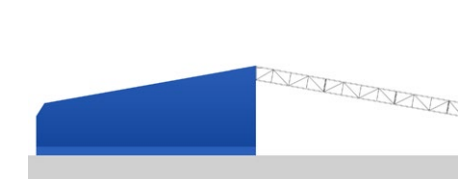
BVI Structure

The BVI structure type features column legs and roof sections. Ranging from widths of 10m to 30m, by any length.



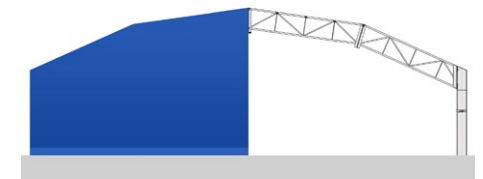
BVE Structure

BVE structures can be designed with single or multiple roof pitches per span. Span widths start from 20m to 40m, by any length.



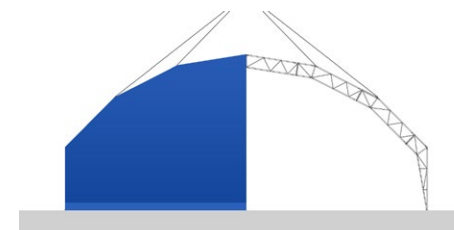
BVL Structure

The BVL features vertical lattice frame sidewalls and single or multiple lattice roof pitches per span. Large spans starting from 50m to 100m in width.



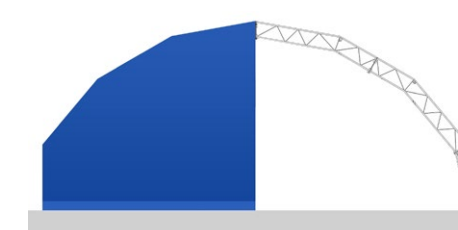
BVC Structure

The BVC is designed with a vertical column leg and a lattice frame roof. This structure type is commonly used for sports halls. 40m to 100m width spans are available.



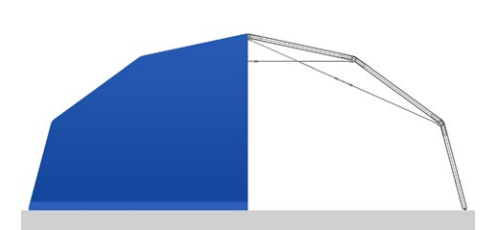
BLE Structure

The Rubb BLE is a robust and reliable engineered structure type, designed to be liftable, moveable, extendable and relocatable to meet all clients' needs.



NV Structure

The NV was the first steel truss span building manufactured by Rubb. The design originated in Norway and has a vertical sidewall, giving it the acronym NV.



EFASS Structure

The EFASS hangar is designed for rapid deployment. Lightweight, robust and relocatable, these hangars are available in three widths (11m, 20.4m and 25m).



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