Modular design, greater versatility and reduced construction time are just a few of the advantages of a RUBB building.

We Cover The World.®

RUBB BUILDING SYSTEMS
The Rubb Group went through some fundamental changes in Norway during 2008 as we needed to build up our own sales team. Our previous partner who has sold Rubb Buildings for over 30 years decided to make their own buildings and hence our long business relationship was terminated. This has of course offered Rubb Hall AS some challenges, but on the other hand it is a good long term strategy for Rubb Norway to have control of the whole value chain with regard to sales for Rubb Buildings. It has been very positive to have direct contact with our valued customers and our new management, sales, and installation team are living up to the challenge.

At Rubb Buildings Ltd in England we have continued a high level of product development where we have completed the development of several large fabric doors which are especially suited for the military market. We have also continued to make good sales in the sports market with some very innovative buildings. These have been full turn key projects with strong involvement from the project architects.

At Rubb Inc. in the USA the hangar market has continued to be an important market. We received an order for our widest Rubb aircraft hangar to date, a 660’(201m) wide quad-link hangar for L-3 Communications. We also received a large hangar order for Tulsa International Airport, a large single span hangar with a 220’(67m) span to be used by American Airlines.

Rubb is very pleased to congratulate Liz Spurr on 25 years loyal service to Rubb Buildings Ltd. We also have very valued staff at Rubb Inc. who have been with the company for 25 years - Jackie Berard, David C. Nickerson, Jim Stoddard and Gary Sutryn. I thank you all personally for your commitment and loyalty to the RUBB Group.
Since our founding aviation has been a natural user of Rubb buildings for hangars, air cargo facilities and terminals. Both civil and military customers appreciate the Rubb combination of advantages - easy air transportation (military), speed of erection, low costs and a light, airy working environment.

The ability of Rubb structures to be extended or relocated anywhere in the world is a commercial asset for airlines which need to respond with agility to changing market conditions. For air forces, rapid erection in almost any terrain in camouflaged fabrics can be of vital importance in the event of a crisis.

As modern aircraft get larger, Rubb responds with larger hangars to accommodate them...
Acknowledged throughout America, Europe and many other locations throughout the World, Rubb continues to break its own records for providing the best solutions for aircraft hangar design, fabrication and on site installation.

Proven in use by many major airlines including American Airlines, United and British Airways, the Rubb Group has gained an enviable reputation in the highly competitive world of commercial aviation.

Recently, the L-3 Communications Corporation needed additional modification hangar space in Waco, Texas. Having worked with Rubb Inc previously, the project requirement was to design a building that specifically would be cost effective and logistically would also meet their special day to day needs.

The team at Rubb Inc designed an AVC Quad-Link hangar with 29.5’(9m) sidewalls. The four bay structure is 660’(201m) wide by 140’(42.7m) deep and also features an Alamo Hangar Door System.

Under construction currently and expected for completion this summer, this is the fourth aviation hangar that L3 Communications has commissioned Rubb Inc to specifically design and build for them.

Another recent project was due to a joint initiative by the City of Tulsa, Oklahoma and the Tulsa Airport Authority who needed more hangar space for American Airlines.

To meet increased demands and due to the continued growth of American Airlines third party aircraft maintenance/modification business more capacity was required at the Tulsa International Airport.
This design and fabrication project for Rubb Inc was for a 220’(67m) wide x 360’(110m) long structure with 190’(58m) wide x 33’(10m) high 6 panel Bi-Parting Norco Door and 20’(6m) wide x 33’(10m) high tail door. The project commenced in Spring 2009 and completion is due later his summer.

In addition, the Rubb Group continues to provide the most effective solutions for air cargo facilities.

Permanent or re-locatable, the design build systems deliver bright, efficient working environment featuring column free spaces for ease of cargo movement and flexibility of expansion to accommodate additional demand.

Continuing to win the highest acclaim, Rubb is the perfect choice for the design, manufacture and installation of aviation building facilities.

visit us at www.rubb.com
Military Applications

The Rubb Group has continued its reputation for innovative design and ability to deliver “Military Application” answers in many locations throughout the world.

Rubb Building Systems and Cocoon Inc. recently collaborated in the design, delivery and installation of a fixed-base maintenance hangar for the U.S. Army Corps of Engineers.

Based at the Bagram Airfield base in Afghanistan, the hangar is designed to accommodate a C-130 aircraft and has a clear span width of 174’(53m) x 144’(44m) long and 24’(7.3m) sidewalls, with a 153’(46.6m) wide x 46’(14m) high six-bladed sliding door system.

The Hangar will fulfill critical maintenance activities not currently available in Afghanistan and is designed to meet specific aircraft clearance requirements. The structure also needed to meet environmental and local conditions including support for suspended equipment, full internal fire protection systems, fuels maintenance systems and supporting utilities.

The design build structure is engineered for full compliance with the U.S. Building Code requirements for full wind, snow and seismic loads. As with all Rubb products, the hangar offers...
the flexibility to be relocated in standard ISO containers should future needs warrant.

Likewise, in the UK, Rubb Building Systems has worked closely with two leading companies Carillion PLC and Mansell (part of Balfour Beatty).
At RAF Valley in Anglesey, UK, after working with Carillion PLC, Rubb recently completed a 92’(25m) span x 144.3’(44m) long with 16.4’(5m) sidewall NV building featuring 65.6’(20m) x 19.7’(6m) sliding access doors. The structure was delivered and erected within 3 weeks.

At RAF Waddington, Norfolk, UK, Mansell chose the Rubb Group to be suppliers of a 65.6’(20m) x 108’(33m) with 9.8’(3m) sidewall NV Building. The aircraft hangar with custom heating, lighting and insulation also had “Fast Jet Doors” developed and proven during military combat.

Military requirements quite often mean they need to be deployed by air and quickly erected to ensure the best response to any changing logistical requirements.

Proven worldwide our RDS (Rapid Deployment Shelters) RES (Rapid Environmental Shelter) and NV structures have confirmed that Rubb Building Systems is uniquely suited for the armed services. With high reliability and maintainability the Rubb Group can solve the most challenging military applications.

An RES Type shelter can be installed and combat ready in a matter of hours.

Bagram Airfield in Afghanistan, the hangar will accommodate a C-130 aircraft. 174’(53m) wide x144’(44m) long and 24’(7.3m) sidewalls.

visit us at www.rubb.com
Blackhawks protected from the elements

Rubb Buildings and Protec Inc. recently completed a shipboard project for the USNS Comfort, a 894’(272.5m) Military Sealift Command hospital ship. The two companies manufactured and erected a 40’(12m) wide x 56’(17m) long BVE range structure with 19.7’(6m) sidewalls that will hangar two Blackhawk helicopters.

The primary mission of the Medical Treatment Facility (MEDTRE FAC) in USNS Comfort is to provide a mobile, flexible, and rapidly responsive afloat medical capability for acute medical and surgical care. The ship supports amphibious task forces, Marine Corps, Army and Air Force elements, forward deployed Navy elements of the fleet and fleet activities located in areas where hostilities may be imminent.

The first Rubb structure to be erected Down Under... impresses!

When the Australian Nuclear Science and Technology Organization (ANSTO) needed to re-work a portion of their nuclear reactor at the Lucas Heights Nuclear Reactor site near Sydney, they searched for an alternative to conventional construction.

Rubb was contacted through their agents in Australia and designed a structure 39.4’(12m) wide x 89.24’(27.2m) long with 16’(4.8) sidewalls which would work in the reactor building and then could be used outside in another use and location. The quality of the Rubb structure, its flexibility and Rubb’s support during the installation impressed ANSTO.

This is the first Rubb structure in Australia.
Port of Sunderland gets new cargo handling facility

Sunderland City Council recently completed a new Cargo Storage facility in Hendon Docks. This versatile cargo storage area was required to help continue the development of the Port of Sunderland’s cargo handling requirements.

RUBB Buildings, in conjunction with SGW Construction, erected a 80’(24m) wide x 210’(65m) long BVE cargo handling and storage facility with 24’(7.65m) sidewalls. The design and quality of structure provides a safe and pleasant cargo storage solution, with the hot dipped galvanized steel frame allowing the maximum use of available storage space.

In addition, the translucent roof provides a natural source of light. Rubb Building’s innovative customized structures ensure safe and secure access to the cargo storage area. Marc Simpson of Robertson Simpson Ltd of Newcastle and Sunderland, who were Architects and Project Managers, said “Rubb Buildings helped us to provide the best and most cost efficient answer for the needs of the Sunderland Council to deliver on this project”.

Rubb, setting the standard for Waste Recycling Buildings

Ballymena Council, Northern Ireland, was looking for a highly efficient and proven answer when building their new waste recycle/transfer station.

Rubb Buildings had the answer. Backed by their expertise gained over 40 years Rubb provided a customized, engineered building. Rubb constructed a 80’(24.5m) x 100’(32m) BVI building with 26.5’(8.2m) sidewalls. The building features a galvanized steel frame, with high strength PVC coated polyester membrane and hot dip galvanized of all welded components to ASTM A123 (BS ISO EN1461). In addition, the semi-translucent roof fabric provides a light interior contributing to a much safer working environment.

Rubb Buildings worked closely with WH Stephens (of Belfast and Ballymena) who were appointed to design and project manage the building of the Waste Recycling Station by Ballymena Council.
Relocation - just one of the advantages of a ‘RUBB’ structure!

Rubb Inc. recently observed the lift and transport of a Rubb BVE range structure. The construction firm, Cianbro Inc., needed to move the Rubb building from a site in South Portland to one in Portland, Maine. A mobile crane moved the 10-ton building across a construction yard and a floating crane lifted the building onto a barge platform. The barge and accompanying building then crossed the ½ mile wide Fore River to the Portland site.

The lift and transport of the building finished in roughly four hours.

RUBB Hall - tried and tested

This 33’(10m) wide x 69’(21m) long NV building was delivered to Randaberg Havnelager AS which is a port storage company just on the outskirts of Stavanger. Stavanger is the largest oil production related area in Norway and Randaberg Havnelager AS caters for many vessels that service the offshore oil platforms off the coast of Norway. Randaberg Havnelager has used RUBB Halls for many years and this is the latest addition to their site. The building was erected on a steel foundation so that it can be crane lifted and moved around the harbour. This NV building is rented out for short term storage of various oil related equipment.

It’s a ‘Very Long’ RHA shelter...

Rubb Hall AS erected a 33’(10m) wide 266’(81m) long RHA shelter at Grorud in Oslo. This is a rental shelter and has doors in both ends and in the side. The customer is Norsk Jernbaneskole which is a center for educating staff for the railways in Norway. They offer education from train operation to design and maintenance of rail systems and railway safety.
These two NV structures are located at the BiR Blomsterdalen site on the outskirts of Bergen and are to be used for a brand new refuse sorting site. BIR AS is Norway's second largest handler of waste/refuse and is responsible for handling refuse for 319,000 households across nine different councils. BiR is also a large supplier of waste solutions to the commercial sector in Norway. One NV is 82'(25m) wide x 88'(27m) long with 13'(4m) sidewall and is fitted with two 20'(6m) wide x 23'(7m) high Crawford roller doors in one gable and the addition of a personnel door. The second NV is a 50'(15m) wide x 50'(15m) long with 13'(4m) sidewall and a large custom vertical lifting door specially designed for this building. This building is erected on a 13'(4m) concrete retaining wall.

WHERE OTHERS FAILED...

Anchor Fence contacted Rubb, Inc. to replace an existing storage building provided by others that had failed. The owner of Anchor Fence had been aware of the Rubb building design and has seen locally that the THA shelter line with the proper care can sustain the snowy winters and snow loads associated with a Southern Maine winter.

RUBB Inc supplied a 32.8'(10m) wide x 30'(9m) THA with 11'(3.3m) sidewall and a 15'(4.5m) x 13.5'(4m) track operated PVC folding door.
Storage facility for a specialized floor coatings company

This 26’(8m) wide x 39.3’(12m) long THA shelter was supplied by Rubb Hall AS to Hummervoll Industribelegg AS at Midtun just outside Bergen. Hummervoll Industribelegg AS is a specialized company which supplies floor surface coatings for both industrial applications and particularly for offshore oil platforms and ships. The shelter was supplied with a steel folding door measuring 15’(4.5m) x 15’ (4.5m). In addition RUBB Hall AS also supplied ventilation fans and lighting for this structure. This THA structure is to be used for storing machines.

THA shelter makes its move

Manufactured by RUBB Poland, this 32’(10m) x 79’(24m) THA Shelter has been fitted with castor’s to enable the client to maneuver the shelter around their site without the use of a crane.

A general shelter for general storage

One of the trade marks of a THA shelter is it can make a great storage facility, quickly and with minimum labor time. This 32’ (10m) wide x 79’(24m) long THA shelter was erected by RUBB Poland. It will be used as general storage building by Mapei in Jeszkowice, Poland.

Light, airy and dry conditions for Skjøndal Slipp

Skjøndal Slipp is part of the Bergen Group which owns many shipyards in Norway. Rubb Hall AS was asked to supply a 33’(10m) wide x 50’(15m) long NV building with a 13’(4m) x 13’(4m) steel folding door for security. Lighting and a dehumidifier unit were also installed in this NV building. The building is used for the storage of large ship engines which have been removed from the vessel and are awaiting servicing in the shipyard.
New Sports facility shapes up well in Northern Ireland

Rubb Buildings has delivered another winning sports building to Erins Own Lavey GAC in Gulladuff, Northern Ireland.

This is a Special BVE Sports Hall, 115’(35m) wide x 197’(60m) long. This structure includes a high volume inner wall. This is another example of Rubb Building’s expertise in providing outstanding sporting facilities.

The backbone of a Rubb building is a well engineered structural framing system. Post production hot dip galvanizing of all welded components provides the best corrosion protection in the industry. The truss frame construction creates the platform for the clear span and high volume walls. The use of white, translucent roof fabric provides a light, bright airy atmosphere to the building.

All services are fully integrated with lighting, ventilation and the dehumidification system providing the perfect sports environment, 52 weeks of the year.

Working closely with McGurk Chartered Architects, the Sports Hall (partly funded by Sport N.I.) had to deliver the best environment for Gaelic Football, Hurling and Camogie competitions.

Sean McGiven of McGurk of Belfast, said “This is the first time we have worked with Rubb Buildings. They impressed us with their ability to change their build systems to give us the design specification we had promised our client. Without doubt the best result.”
Stourport Sports Club now has a stylish new indoor sports hall

In September 2008 Rubb Buildings designed, fabricated and delivered this 138’(42m) Span x 130’(39.5m) long special BVC Sports Hall for the club’s new indoor Netball Courts.

Rubb undertook the design and manufacture of the aesthetically pleasing structure that had been awarded through a tender process. This is the third dedicated Netball structure that Rubb has delivered in the past 2 years.

This particular building proved challenging because of the ‘overhanging eaves’ and edge of the roof features that had been specified by the project architect. The eaves of the structure overhang the building sidewalls by 5’(1.5m), and the gable roof edge of the structure are a reducing curve; projecting 9’(2.8m) at the structure apex, reducing down and mating with the eave projections at the sidewall.

The finished building is a testament to the design and manufacturing teams at Rubb Buildings that produced such an impressive looking sports hall.

Rubb Buildings Ltd also supplied the structure complete with sinusoidal horizontal steel cladding to a height of 10’(3m), for extra security. Rubb was also responsible for the design and installation of the ventilation system, the main entrance doors, internal rebound walls and the foam protection to the vertical structural steel members.

The PVC coated polyester fabric membrane has been designed and supplied to the architect’s specification. The gable sheets actually have 40mm wide dark grey “pinstripes” running vertically through the white sections which create additional features to this attractively designed building.
Taunton Vale Sports club goes high tech for the future

In the autumn of 2008 Rubb Buildings Ltd manufactured and delivered a high tech Indoor Sports Hall for Taunton Vale Sports Club. The contract was awarded from tender, and included a 78’(24m) span x 125’(38m) long structure with 26’(8m) sidewalls. The Rubb Building includes an inner-skin and insulation package, 10’(3m) steel clad sidewalls, sports rebound boards both fixed and removable, a high tech lighting system providing 750 lux, a ventilation system and a Gas fired Ambi-rad heating system.

The building has been designed around the specifications for indoor courts as stipulated by the England Netball Association. However, Rubb also used their design expertise to ensure that the Sports Hall may be used for other sports such as Badminton, Basketball, Soccer and Hockey.

Taunton Vale Sports Club was officially opened earlier this year by Gerry Sutcliffe, MP, who was then Minister of Sport.
Girls handball team gets new jerseys, courtesy of RUBB Hall As

RUBB Hall AS have provided a local girls handball team with new jerseys for the 2008 season. Nordes Indrettslag has many teams entered into the handball league and Rubb is proud to provide sponsorship for the under 10’s girls team. They had a mixed season in 2007/2008 and ended up finishing in the middle of the league.

RUBB Poland is currently developing a NEW SLIDING DOOR

Due to customer requests RUBB Poland has been looking into the development of very economical sliding door system. They are currently working on a 10’(3m) x 10’(3m) sliding door using a rail and runner system. At press time the door was in the prototype stage. If successful, the door could be adopted across the entire Rubb Group.

We say ‘thank you’ Liz Spurr for 25 years of loyal service

On the 5th December 2008 Liz Spurr was presented by Bill Wood with a memento for 25 years service to the company. Liz has been and still is a very valued employee and we thank her for all her hard work and loyalty over those years.

We Cover The World.

RUBB BUILDING SYSTEMS

AN INTERNATIONAL COMPANY

Visit Rubb on the World Wide Web: http://www.rubb.com