



IN SERVICE: A 20m span EFASS with Trident Doors in Afghanistan. Four of these buildings left Rubb for RAF Marham in January 2012 (pictured above right)

A dozen reasons why the UAE Special Forces chose Rubb

THE UAE Special Forces is the latest defence organisation to turn to Rubb Military Buildings to provide a high quality solution to getting valuable aircraft undercover – with speed, efficiency and practical benefits in the field.

The UAE military personnel saw Rubb's Expeditionary Forces Aircraft Shelter System in action for the Canadian Forces and purchased a 25m span x 36m long EFASS featuring Heli-Doors (18.5m wide x 6.5m high) at both gable ends. The structure also benefits from a 2000kg internal roof mounted crane.

The cutting edge door and crane technology has been raising Rubb's game in the military sector. Rubb Buildings Ltd has been at the forefront of supplying vital hangars to the frontline in conflict torn Afghanistan. Now the UAE is set to reap the rewards of Rubb's development of these invaluable accessories.

The 25m EFASS can accommodate a wide range of aircraft – from UAVs to the largest military helicopters. The completed facility is big enough to facilitate maintenance of a MH-47 Chinook without removing the rotors. For delivery it all packs down into 20ft ISO shipping containers.

Each hangar can be rapidly constructed using a number of steel fabricated components together with uniquely designed aluminum roof and leg sections, that bolt together to form the span trusses. When assembled, tough PVC coated polyester fabric sheets slide between the aluminum extrusions of adjacent spans, to form the shelter. Ian Hindmoor, General Manager at Rubb Buildings Ltd, said: "This is another new military client which has been impressed by the advantages our EFASS range has to offer and we hope that this leads to repeat business in the UAE."

Little Bird flies for US Armed Forces

It has certainly led to repeat business with the USA and UK military forces with a further 11 EFASS hangars flying into action in late 2011 and early 2012. The United States Army (160th SOAR) recently bought seven structures - two 25m span x 36m EFASS hangars, each featuring one 18.5m Heli-Door, one closed gable end and a 2000kg crane. A further three 20m span x 28m structures were added to the order – the first 20m buildings to include the Heli-Door technology. Each hangar incorporates one Heli-Door, one closed gable end and a 1500kg crane.

Two 11.1m span x 16m EFASS workshops complete the set. Ian added: "These are the first 11.1m EFASS projects we have completed and we are very excited to see these hangars used for land, sea and air vehicle

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storage and maintenance. The ‘Little Bird’ hangars each feature one 10m x 4m Heli-Door, one closed gable end and a 1000kg gantry crane.”

Meanwhile the UK Royal Air Force purchased four 20.4m span x 30m Rubb Military shelters in September 2011 – all include Trident Doors at both ends of the structure and have the capacity to house Tornados and Apache Helicopters. They will be used on the flight line at RAF Marham and replace others that have been deployed on expeditionary missions around the world.

Notes to Editors

About Rubb Buildings Ltd

Rubb Buildings Ltd is a world leader in the design and manufacture of custom made relocatable engineered fabric structures.

Highlights include ground-breaking military buildings (aircraft hangars, shelters, storage facilities), specialist sports buildings and structures for a variety of sectors including aviation, ports, construction, bulk storage and environmental (waste and recycling).

All products are designed and manufactured at Rubb’s UK plant at the Team Valley Trading Estate in Gateshead, Tyne and Wear. The company was founded in 1977 and has a proud history of delivering innovative and quality structures to a wide range of clients.

The Rubb Group has plants in the USA, Norway, Poland and China.

Heli-Door

This revolutionary door has been specifically designed and manufactured for the EFASS range by Rubb Buildings Ltd, providing a robust, reliable and easy to use system. The main door horizontal members are standard EFASS building roof elements, which comply with the strict standardisation of parts code.

The door is electrically operated via two slow moving helical geared motors, with emergency hand operation capability. This system does not require a base foundation or ramps and there are no locking bolts. The door goes up and down at the touch of a button. Locking and safety devices operate automatically.

Trident Door

Specific to the 20.4m span EFASS, this full end-opening door speeds up aircraft deployment. The door is constructed using the same high quality aluminium framework as the main structure. Three framed PVC panels are hinged at the base of the hangar and the door operates via a button controlled motorised folding mechanism.

Rubb Buildings Ltd contact details:

For further information please contact Marketing Manager Clare Wilson on (0191) 482 2211, email cwilson@rubb.com or visit www.rubbmilitary.com

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