

# LAND, SEA, AIR OR UNMANNED... RUBB HAS GOT ALL VEHICLES COVERED AT IDEX

Rubb returns to IDEX in the UAE this month to highlight a new UAV hangar from its respected military building range.

Rubb Buildings Ltd has found there is a significant demand for a smaller sized hangar with a wide door opening to allow Unmanned Aerial Vehicles in and out of the building.

The company has now introduced a new UAV storage and maintenance facility to its EFASS range of fabric structures.

The facility, designed with a lower internal volume, is easier and more cost effective to power [electrics, HVAC]. It is designed to suit military loadings (100kg/m<sup>2</sup> snow loading and 41.6m/s effective wind speed).

Other advantages of the system include:

- Rapid building times with minimal use of machinery to aid construction
- Fully relocatable and will fit into containers for transport and storage
- Lightweight to aid air transportation
- The building can easily be adapted to make it longer to store more aircraft
- The gable end configurations can also be adapted to suit the access/egress requirements of the aircraft storage arrangement
- Can include an internal gantry crane if required

The 23m span x 12m long aluminium framed UAV POD is the seventh hangar to be introduced to Rubb's Expeditionary Forces Aircraft Shelter System [EFASS] range.

Managing Director Ian Hindmoor said: "We pride ourselves on our R&D and the new UAV POD meets the requirements listed in feedback from our clients and



end users. We are looking forward to showcasing this latest product from the EFASS range at IDEX 2015. We are also keen to highlight some of our recent military and aviation projects."

The company has had a busy year in the military and aviation sector. The UK MoD ordered seven 20.4m span EFASS structures [aluminium framed, fabric covered aircraft shelters] featuring Trident doors at each gable end. Each hangar packs into one 20ft ISO container for transport and includes Zone 1 electrics and insulated fabric cladding.

Rubb was tasked with ensuring that hangars from the range are packed for airfreight according to strict specifications from the Joint Air Delivery Test and Evaluation Unit [JADTEU] at RAF Brize Norton. These packing arrangements have been carried out for the 20m EFASS [Trident/Trident], the 18m EFASS Sunshade and the 25m span EFASS [Heli-Door, closed gable].

Rubb also provided a storage and maintenance hangar for all terrain armoured vehicles at a British Forces base in Bielefeld, Germany. The 20.4m span x 40m long fabric military building from Rubb's EFASS range features 9.8m wide x 5m high roller shutter

doors in each gable end for easy access to and from the facility. At the MoD's request, Rubb also included a roof mounted crane with a Safe Working Load of 1,500kg in the hangar's design to support ongoing Maintenance, Repair and Overhaul procedures. This hangar is clad with insulated fabric panels and can accommodate at least two amphibious vehicles for maintenance and storage. It will also be used to store and protect spare parts, tools and equipment.

Rubb's refurbishment service has also been in demand, with eight military buildings brought back to new standards in 2014, including a 20m span x 20m long EFASS vehicle storage facility. It was also future proofed to support an overhead gantry crane. This project was an Urgent Operational Requirement (UOR) that was needed within two weeks, but delivered in just 10 days.

Rubb's Rapid Erect Structures feature aluminium framework that has been designed to maximize strength, minimize weight and still be robust enough to withstand the most challenging environments. The high quality 6082 T6 structural aluminium is anodized black and steel components are hot dipped galvanized to protect from corrosion. The tough PVC covering tensioned membrane forms the protective barrier between the environment and the vehicles and equipment inside.

Rubb Buildings Ltd's work in the UAE includes three 23.4m x 36m steel and aluminium hybrid EFASS helicopter maintenance hangars for Horizon Flight Academy at Al Ain International Airport.

Visitors to IDEX can meet the Rubb team and find out more about this and other defence and aerospace hangar projects at **Stand 06-A38, ADS UK Pavilion, ADNEC, Abu Dhabi from 22 – 26 February 2015.**