

Rizon Jet - GMDA

Rizon Jet was founded in 2006 and is headquartered in Doha, State of Qatar, with additional operating bases strategically located in the Middle East (United Arab Emirates) and Europe (United Kingdom).

Rizon Jet pursues a holistic and customer-centric approach to business aviation, providing private travel solutions and business aircraft services to today's time pressed traveller. Its mission is to meet increasing demand for corporate aircraft charter in the Gulf Cooperation Council states and expand its services with aircraft maintenance services as well as build on its aircraft trading and management arm.

Even behind the scenes Rizon Jet operate a high class operation. Their UK base at Biggin Hill, a £20m development, includes purpose built VIP Terminal, administration and engineering offices as well as a state of the art aircraft hangarage offering a complete maintenance package for it's own fleet and private aircraft owners. Rizon Jet headquarters is ideally located for technical stopovers when travelling between Europe and Asia.

The maintenance facility required floor mounted power supplies for use during aircraft maintenance. The floor boxes needed to withstand a load of 22 tonnes, offer a variety of electrical power outlets, single and three phase, as well as high pressure air for air powered tools.

The Blakley Electrics Ground Mounted Distribution Assembly (GMDA) was offered as an option to provide the power and air outlets needed combined with the load bearing capabilities needed in an aircraft hangar.

An upgraded version of the Blakley Electrics standard GMDA was at the heart of the product utilised. The GMDA was stretched in order to accommodate the power and air outlets. Particular attention was paid to the lid of the assembly. It had to be tough enough to take the weight of the nose wheel of large executive jet as well as offer safety to the operators. The latter was achieved by the inclusion of gas struts to aid with lifting and lowering the lid. In addition the incorporated distribution panel had to be accessible for maintenance as well as general use.

The resulting bespoke product is now in place and fully functioning in the Biggin Hill facility. It is being used by the expert teams at Rizon Jet carrying out maintenance and repair services to a wide range of aircraft.



The GMDA typically powers Ground Power Units (GPUs) that enable engineers to fully power the aircraft without running engines or the auxiliary power unit. This enables all aircraft systems to be tested and inspected as required.

The GMDAs are also used to supply work benches, task lighting and equipment for cleaning the aircraft.

Full specification of the GMDAs is as follows:

Designed to meet FACTA Class D (to withstand 220kN)

W 900mm L 660mm D 750mm

Galvanised steel body stainless steel chequer plate lid

Lid fitted with gas struts to aid opening and closing Lid is lockable in the closed position



Distribution

A Blakley socket assembly is mounted within the GMDA enclosure. It is manufactured from mild steel and finished in grey powder coat finish. The front cover is brushed stainless steel. The assembly provides the following distribution:

2 No. 400V, 63A TP+N+E switched and interlocked "Hypra Prisinter" sockets

2 No. 230V, 16A SP+N+E switched and interlocked "Hypra Prisinter" sockets

1 No. 110V, 16A DP+E unswitched socket fed via a 16A, DP type "C" MCB under a protective window.

2 No. 230V, 13A, SP+N+E Sockets protected to IP55,

2 No High Pressure airline outlets.

A 2kVA 230:110V CTE, continuously rated transformer is mounted in the base of the GMDA to provide a feed to the 110V socket.

