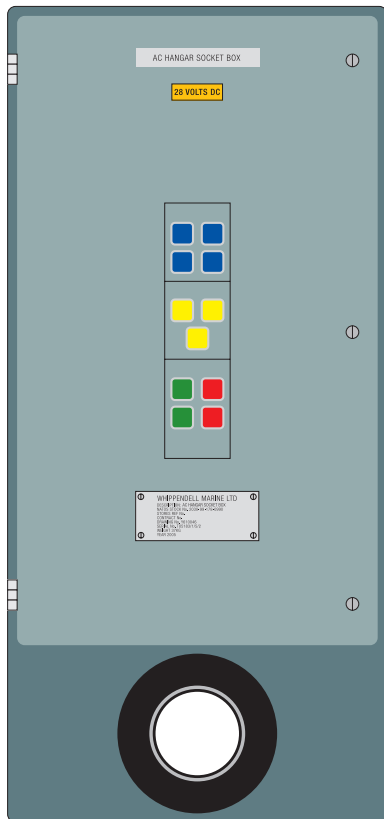


DC Hangar Socket Box



AC Hangar Socket Box

Aviation Ground Power

The complexity and pace of modern maritime aviation operations place increasing demands on the support facilities provided by the naval platform. Electrical Ground Power is critical to the continued availability of aircraft to meet operational commitments at the tempo set by the Maritime Component Commander, and the provision of reliable aircraft services is an essential part of the maritime airborne mission. Whippendell Marine's capability in the design, manufacture and support of Aviation Ground Power solutions for naval applications is unrivalled, and our systems are developed with the needs of the front line user foremost in the design consideration.

Whippendell Marine can provide a turnkey service in the provision of naval aviation ground power supplying systems which comprise:

Power Conversion Machinery:

- 200V 400Hz 3Ph Static Frequency Converters or rotary machines up to 80kVA
- 28V DC Transformer Rectifier Units

Control and Distribution Equipment:

- AC and DC Control and Distribution Centres
- AC, DC or Combined Socket Boxes

Commissioning and Through Life Support:

- Setting to Work including load trials
- Full ILS documentation
- RCM derived maintenance schedules
- Spares and Repair services





SCADA Screen Example

System Features

Because Whippendell Marine systems are underpinned by the use of PLC technology, COTs components and are built with reliability in mind, the in service benefits include increased availability and reduced through life costs. System features include:

- Overload protection throughout starting cycle
- Full dual interlocking for personnel and system safety
- Intuitive operator control panel
- NVG compatible illumination
- Scalable – allows the addition of new aircraft types
- Flexible architecture – suitable for single or multi spot platforms
- Efficient – through power management, allows multi spot operation from a single power source
- Increased operational availability
- Full SCADA package

Whatever your maritime aviation ground power requirements may be, Whippendell Marine can provide a cost effective and operationally unrivalled solution. Contact us to discuss your requirements in further detail.

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