



SUPERYACHT ELECTRICAL
SERVICES

BLUEWAVE™

Revolutionary *BLUEWAVE™* switchboard concept comes alive!

Through close collaboration with Eaton in Germany, **ETY** have developed the *BLUEWAVE™* series of switchboards. The result is an industry changing solution that others will no doubt try to emulate in time.

Saving Time & Cost

The standard *BLUEWAVE™* series of switchboards are design-approved by class and suitable for vessels with typical incomers and loads. The benefits are largely due to the SmartWire system which reduces panel complexity by consolidating standard complex point to point circuit wiring into a single, durable 8-pole cable. This also enables us to deliver a standard new switchboard within weeks not months.

Flexibility

BLUEWAVE™ switchboards are incredibly lightweight, compact and being modular can be separated and positioned to suit the vessel's layout. The switchboard comprises of a control cabinet containing the power management system (operated and monitored via a 26" touch panel) the PLC and the core of SmartWire system.

Separate cabinets housing the incomers (generators and shore power); provide a revolutionary self-contained solution for multi-genset system integration.

Intelligent Monitoring

The intelligent motor protection module monitors loads using the SmartWire system within the *BLUEWAVE™* series of switchboards with pre-determined signatures for each motor starter. It monitors and generates warnings prior to tripping due to overheating by reading the actual load of each motor starter to check whether abnormal consumption is present.

Integrated within the SmartWire network the status of all the components can be monitored continuously. The initial set point of the motor protection unit is logged to avoid anyone changing the stored set-up values thus preventing damage to pumps etc.

Also, we can continuously monitor the status of all the components integrated within the SmartWire network. For example, all of the push buttons are constantly monitored and therefore, if a failure occurs within the button, the operator will be notified prior to any attempt to use it. The same can be said for all of the cables within the network. If a wire is cut, an alarm is created. This feature creates a new monitoring concept and greatly simplifies troubleshooting.

The temperature of each *BLUEWAVE™* cabinet is continually monitored and an alarm is raised in the event of an increase beyond the pre-set limit. The vessel's alarm and monitoring system can also be integrated within the same 26" touch panel located in the control cabinet. The language displayed on the touchscreen can be easily changed to accommodate the relevant crews on-board.

Tailored to suit your needs

Of course we realise that no two vessels are identical and therefore, we deliver bespoke switchboards utilising the same philosophy thus saving space, weight, cost and delivery time.

Features and Options

Some additional features of the *BLUEWAVE™* series of switchboards include:

Remote diagnosis by our engineers when an internet connection is available on-board.

Cabinets available in steel or aluminium.

Custom paint finishes on request.

Available for 50 & 60Hz systems.

The overall system status can also be easily observed via the optional *BLUEWAVE™* hand rail that changes colour indicating an alarm condition.

E-Tech Maritim S.L

Gremi Sabaters 35 - Palma de Mallorca - 07009 Spain

Tel: +34 971 431 155 - Fax: +34 971 430 302

With office and workshop in STP

