

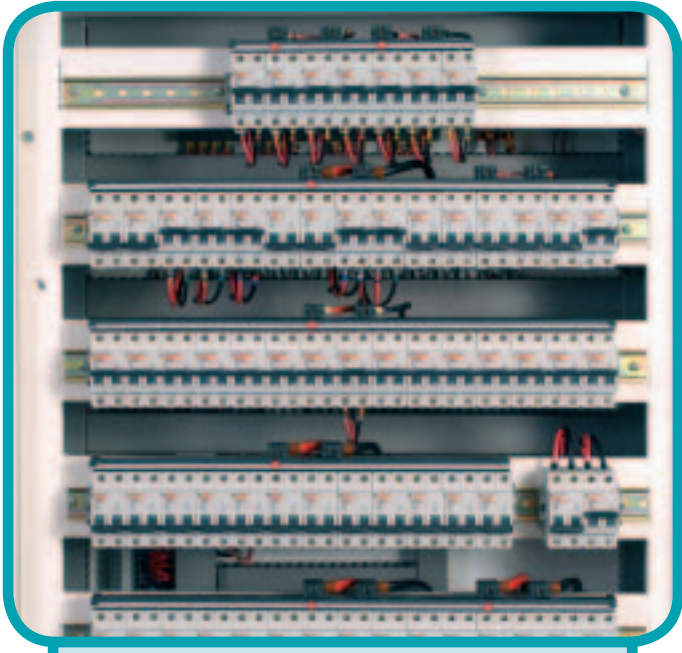
DC Distribution

CUSTOM YACHT ELECTRICAL POWER PANELS



Energy Solutions offer a range of electrical design and design & build services to the yacht industry.

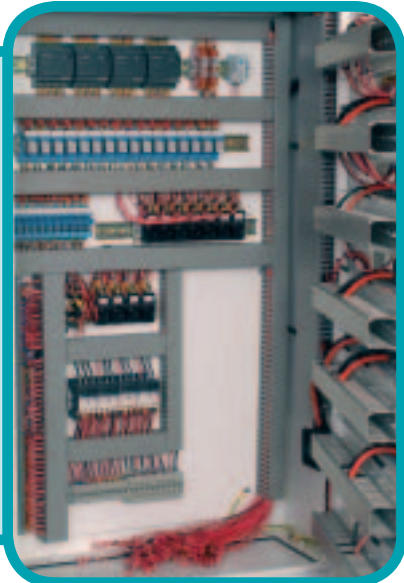
- **Design Service.** We will carry out the entire electrical design including load analysis for your project. This will generate a detailed set of drawings, bills of materials, cable schedules and any custom system design that may be required.
- **Panel Building.** We can design and build AC and DC electrical panels. This can involve generator sets in parallel (isochronous or droop), load management and monitoring. If required we can build remote monitoring and control panels or liaise with another supplier.
- **PLC Programming for alarms and other systems.** Large yachts have complex alarm, monitoring and control requirements. PLC control allows these needs to be met in a flexible and upgradable way.



Energy Solutions can design and build DC & AC switchboards to suit a variety of applications.

This DC switchboard is installed on a 100ft+ sailing yacht. It contains a 1000 A rated double pole isolator switch. This feeds heavy bus bar that supplies the primary HRC fuse protected circuits. The panel also houses the secondary distribution circuit breakers. These are mounted on a hinge out inner door to allow access to backplate mounted devices. Because of the high current draw of DC powered hydraulic winches the panel incorporates a scotty diode supplied feed to a small 'buffer' battery bank that feeds voltage sensitive circuits.

We design and build to suit each application. This particular board was built to Lloyds standards and the panel was made from powder coated aluminium in order to reduce weight.



POWER AT YOUR CONTROL

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