

Energizing People > Powering the Future



Power Systems

M400

Power Systems (Marine and Offshore)

Course Description:

This course covers vessel power systems in use in the offshore industry—from the requirements of shipyards, owners, operators and classification societies, to the solutions in place for the power generation and distribution systems of offshore vessels—particularly vessels with Dynamic Positioning systems.

The whole range of equipment is covered, from engines, generators and other electrical equipment (LV or HV) to its control and automation. Trainees will develop an understanding of the reasons for equipment choice, settings, functionality and operation and—importantly—the interactions between different parts of the system and how this affects them.



Learning Outcomes:

To gain an insight into the operation, functionality and design principles of offshore power systems to enable trainees to operate and maintain their systems safely and competently, and to undertake first line fault finding, so reducing downtime and improving safety.



Prerequisites:

Electrical engineering background; Staff attending should be familiar with vessel operational procedures.



Participants:

Onshore electrical support and engineering staff; vessel electrical and electronic staff; shipyard electrical design staff.



Duration:

4 days

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