Course goal
The goal of this course is to train participants to operate, maintain and troubleshoot ABB diesel generator monitor system and understand the fault scenarios, which DGMS is designed to protect against.

Learning objectives
Upon completion of this course, the participants will be able to locate hardware components, do basic hardware troubleshooting, navigate the DGMS user interface and analyze the DGMS alarm and event list and clearing trips.

Contents
General topics
- Introduction to the marine power plant
- Introduction to DP class regulation
- Introduction to advanced load sharing faults
- ABB protection strategy

Hardware description
- ABB 800CM controller and S800I/O
- ABB PP835 touch panel

Operation
- Process panel operation
- Restoring PLC software
- Restarting PLC

DGMS
- Interpret alarm list
- Trips indications

Interpret event list

Methods
Classroom lectures
Demonstration and practical lessons on DGMS simulator

Student profile
Marine engineers and electro-technical personnel at the support and operational level
Shoreside technical personnel at operational level

Prerequisites
Participants should know the fundamentals of working generators

Duration
1 day

Venue
Singapore

Additional information
Minimum 6, maximum 8 participants
On-site training is available on request
Course outline

Day 1
- Marine Power plant introduction
- DGMS introduction
- DGMS in depth