

# H874 – Marine HV Motors and Generators

The goal of this course is to learn the concepts, theory, operation, maintenance, troubleshooting and product description and construction of AMI and AMZ motors and AMG generators.

## Learning objectives:

Upon completion of this course the participants would have learnt:

- Concepts, theory, operation and maintenance of motors and generators.
- Features, constructional details, operation and maintenance of the following ABB products
- Basic troubleshooting knowledge
- To perform independent maintenance

## Contents:

Concepts and Theory (refresher):

- Basic Theory
- AC Theory and Motors
- DC Theory and Motors
- Standards/Applications:
  - Duty Type
  - Ingress protection
  - International cooling
  - Mounting

Products - AMI and AMZ motors and AMG generator:

- Product description
- Basic Ratings and specifications
- Construction features and details
- Operation
- Troubleshooting and Maintenance:
- Basics of troubleshooting

## Methods:

Classroom lecture,  
Hands on skill.

**Duration:** 3 days

## 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 with motors and generators.

## Venue:

- Genoa, Italy
- Singapore

## Additional information:

Maximum 8 participants;  
On-site training on request.

