



Energizing People > Powering the Future



Basic Course - Theory, Operation & Maintenance - 3 days

## RXi Wago

### Learning objective and performance outcome:

Upon completion of this course, the participants will be able to:

- Understand architecture of your Electrical Propulsion System;
- Understand technology used aboard;
- Understand & practice maintenance operations for control system main components (part replacement & configuration).

### Course content:

- Electrotechnical theoretical reminders (transformer/rotating machines/drive);
- Variable Frequency Drive operating principle (main components, control interfaces);
- Control Network Architecture (communication principles, hardware/software description);
- Drive Control & Process Automation principles:
  - Software – System functions & application;
  - Hardware – Configuration;
- Automation maintenance procedures – Usage of maintenance laptop:
  - Replacement of Remote IO modules and control panels (IP programming);
  - Replacement of network switches;
  - Application reloading (P80i software or Machine Edition).



Automation & Control cabinet



Propulsion control panel



Training facilities

## CREW TRAINING

Crew training is essential for:

- Optimizing the performance of your teams;
- Reducing propulsion downtime;
- Increasing safety operation;
- Making the dialog with our remote support experts efficient.

Therefore, we have developed the practically oriented training options for our power drives used in marine, where the participants will **learn how to operate, maintain and troubleshoot the system** with the best instruction method: practical exercises using the right tools.

## 25+ YEARS OF EXPERTISE

In our certified training centers, we propose general or specific training courses

These training sessions allow trainees to acquire or refresh their knowledge of electric propulsion, on hardware or software used on vessels fitted with GE Power Conversion drives.

Our experts for training, recognized for their skills within GE Power Conversion, can make you benefit from their know-how, ceaselessly improved by their experience on the ground. They can give you theoretical and practical training in the various fields of our activity, on our workstations in the secure environment of our center, or even on your own equipment. We benefit from more than 25 years of operational experience in electric propulsion.



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