

APPLICATIONS

PEC M3/PECe architectures

Remote training using virtual labs

Learning objective and performance outcome

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

- Understand the propulsion laptop software & documentation;
- Connect to propulsion CPU using propulsion laptop;
- Practice maintenance operations for control and process systems main components (part replacement & configuration) ;
- Understand the HMI (Human Machine Interface) functionalities;
- Understand the HMI principles/alarm categories;
- Practice on HMI with available tools.

Course content

1. Access to virtual labs through web browser for each participant:
 - Remote connection to a customized CPU;
 - Remote connection to a dedicated propulsion laptop;
 - Remote connection to a customized HMI.
2. Remote propulsion laptop practice:
 - Practice on all main propulsion software;
 - Documentation and drawing use;
 - Reload software to remote CPU;
 - Explanation of software & alarms topologies;
 - Diagnosis files opening and analysis;
 - Practical exercises to validate skills.
3. Remote HMI practice:
 - Navigation on all the mimics;
 - Alarms & faults simulation to practice troubleshooting;
 - Trends generation;
 - Practical exercises to validate skills.
4. 360° views on the control equipment:
 - Connection between propulsion laptop and components (CPU/cards);
 - Connection of HMI to process network architecture.

INTERMEDIATE TRAINING

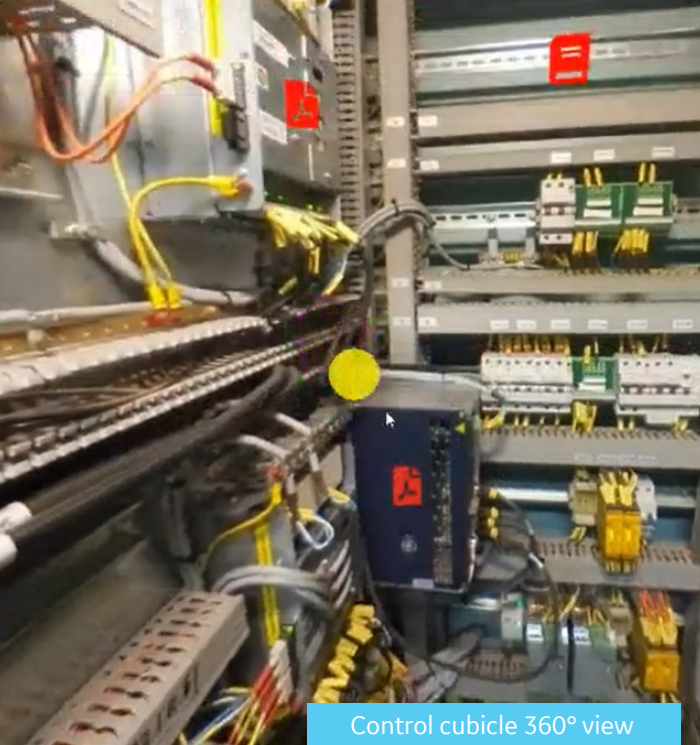
4 x 0,5 day

**FEATURES
MICROSOFT TEAMS
& VIRTUAL LABS**

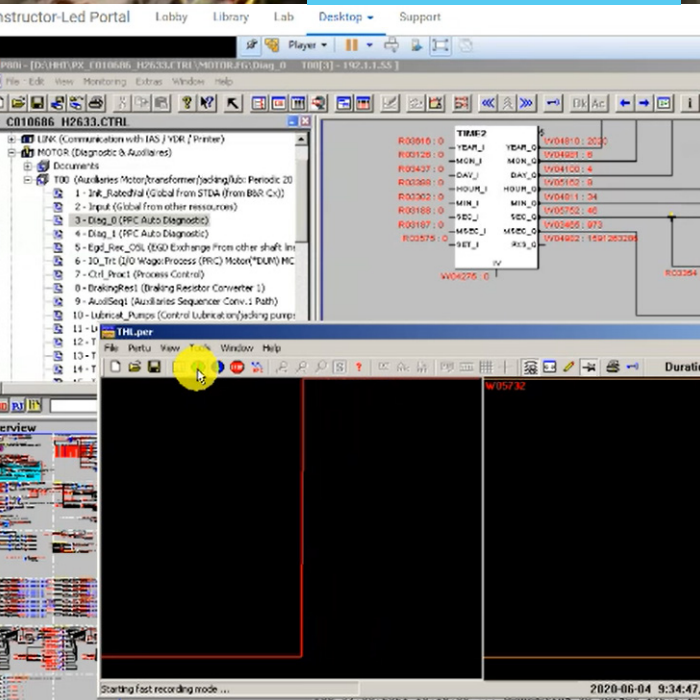
- Access to virtual labs remotely from standard web browser
- Webcams with all the participants
- Webcam with the training officer
- Whiteboards
- Polls
- Interactive quiz
- Question & Answers through Slido tool
- 360° views* of the control & automation architectures

**Subject to availability*

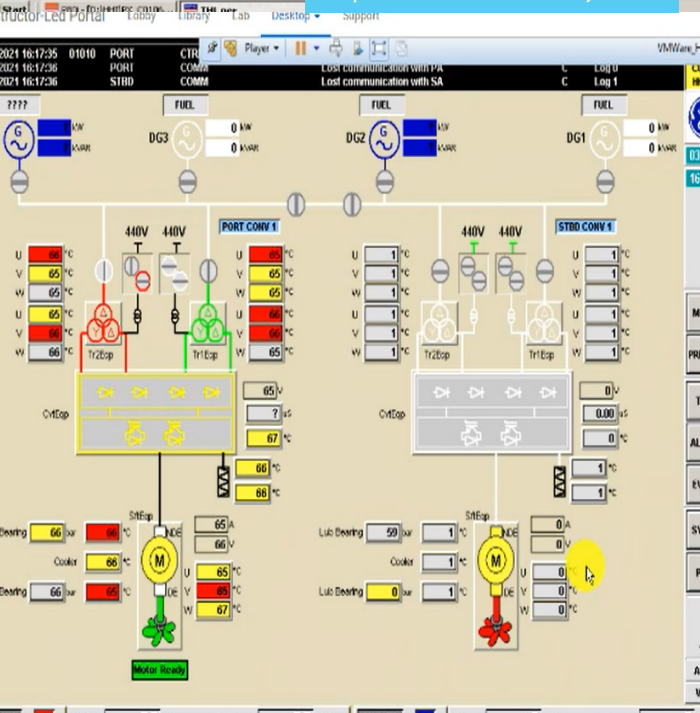




Control cubicle 360° view



Propulsion software in dynamic



Remote HMI in dynamic

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.

BELFORT TRAINING CENTER

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