



Energizing People > Powering the Future

APPLICATIONS

SD7000/MV7000/LV7000

Remote training using Teams & 360° views

Learning objective and performance outcome

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

- Understand power & control architecture of their system;
- Understand technology used (network and machines bridges/excitation/automation & control/drive sequences);
- Understand & practice maintenance operations for control system main components (part replacement & configuration);
- Identify all components used on the converter & automation –the components will be presented using an HD webcam and 360° views.

Course content

1. Electrotechnical theoretical reminders (transformer/rotating machines/drive);
2. Variable Frequency Drive operating principles (main components, control interfaces);
3. Control network architecture (communication principles, hardware/software description);
4. Drive control & process automation principles:
 - Software – System functions & application
 - Hardware – Configuration
 - General maintenance
5. Motor principles:
 - Rotor/stator principles
 - Auxiliaries
 - General maintenance
6. Remote description of the automation procedures:
 - Replacement of remote IO modules and control panels (IP programming)
 - Replacement of network switches
 - Application reloading (P80i software)

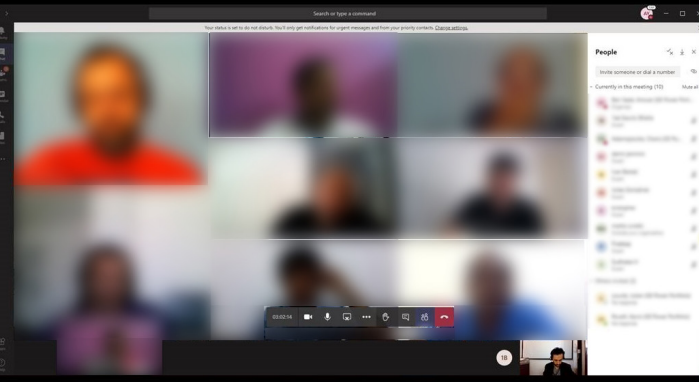
BASIC TRAINING

5 x 0,5 day

FEATURES MICROSOFT TEAMS

- Access to 360° views* of the electrical system remotely
- Webcams with all the participants
- Webcam with the training officer
- Whiteboards
- Polls
- Interactive quizz
- Question & Answers through Slido

**Subject to availability*



Staff training

Staff training is essential for:

- Optimizing the performance of your teams;
- Reducing operation 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 Oil & Gas applications, where the participants will **learn how to operate, maintain and troubleshoot the system** with the best instruction method: practical exercises using the right tools.

GE | POWER CONVERSION Energing People > Powering the future

Converter

Working principle

- Rectifier
- DC Bus and accessories
- Inverter
- Composition

Control & Auxiliaries

- Control interfaces
- Related Faults
- **Auxiliaries**

Remote Training Officer's desktop

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 electrical VSIDS, on hardware or software used in GE Power Conversion's 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 our varied worldwide experience in Oil & Gas applications such as LNG, Offshore, Downstream, etc.

06/03/20 16:45:12

06/29/20 16:05:56 01100 PORT COMM S.Wind T.Screen Communication Fit NC ACK_ON

DOMAIN	FUNCTION	SEVERITY	TRANSITION	ALARM	ACK PAGE	ACK SEL		
ALL	TESTER	ALL	ALL					
DATE	TIME	SAN	DOMAIN	FUNCTION	TAG	WORDING	SEV	TRANSITION
06/29/20	16:05:56	03286	PORT	LUBRICAT	JkNOIIP	NDE Bearing oil pressure measure Sens.Fit	NC	ACK_ON
06/29/20	16:05:56	03291	PORT	LUBRICAT	LubPp1	DE Lub Pump 1 Elec.Fit	NC	ACK_ON
06/29/20	16:05:56	03301	PORT	LUBRICAT	JkNDPp1	DE Jacking Pump 1 Elec.Fit	NC	ACK_ON
06/29/20	16:05:56	03333	PORT	LUBRICAT	LubPp2	DE Lub Pump 2 Elec.Fit	NC	ACK_ON
06/29/20	16:05:56	03337	PORT	LUBRICAT	LubCR	Lubrication Critical Fit	NC	ACK_ON
06/29/20	16:05:56	03222	PORT	LUBRICAT	JkCN CR	NDE Jacking Critical Fit	C	ACK_ON
06/29/20	16:05:56	03307	PORT	LUBRICAT	JkAD CR	DE Jacking Critical Fit	C	NO ACK_ON
06/29/20	16:05:56	03281	PORT	LUBRICAT	JkDOIIP	DE Bearing oil pressure measure Sens.Fit	NC	ACK_ON
06/29/20	16:05:56	03218	PORT	LUBRICAT	JkNDPp2	NDE Jacking Pump 2 Elec.Fit	NC	ACK_ON
06/29/20	16:05:56	03298	PORT	LUBRICAT	LubNC	Lubrication Non Critical Fit	NC	ACK_ON
06/29/20	16:05:56	03216	PORT	LUBRICAT	JkNPP1	NDE Jacking Pump 1 Elec.Fit	NC	ACK_ON
06/29/20	16:05:56	03223	PORT	LUBRICAT	JkCN NC	NDE Jacking Non Critical Fit	NC	ACK_ON
06/29/20	16:05:56	03206	PORT	LUBRICAT	JkND NC	DE Jacking Non Critical Fit	NC	ACK_ON
06/29/20	16:05:56	03205	PORT	LUBRICAT	JkNDPp2	DE Jacking Pump 2 Elec.Fit	NC	ACK_ON

PORTS STATE: Master Speed 0 rpm Power 0 kW STROBE STATE: Master Speed ? rpm Power ? kW

Ref 0 rpm from ECR Torque 0% Limit by Prop Limit by P.L.S.

Remote HMI



Control cubicle 360° view

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