



Energizing People  Powering the Future

PC Training Catalog





GE Power's Power Conversion Business

Lighting the world with the technologies of tomorrow

GE builds industry-leading technologies and integrated solutions that connect brilliant machines, renewables, oil and gas, marine, grids, and systems to power utility and industrial customers in 160 countries while uniting all the resources and scale of the world's first digital industrial company.



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Drive Systems

Seminar No. 101 Fundamentals of variable-speed drives

Course Description:

Participants will learn about the selection process for drive systems and explore the basics of drive system engineering mechanical motion, basic models of DC, induction machines and synchronous electrical machines. Participants will learn about inverters with thyristors for DC and AC motors and IGBT converters for AC machines as well as a practical approach for control systems design. Additionally, they will understand the following drive systems: brushless motor, cyclo converter, and frequency converter for variable speed drives and DC drives.



Learning Outcomes:

Fundamental knowledge of the function of the components of electrical drives



Prerequisites:

Fundamental knowledge of basic electrical engineering & electronics



Participants:

Design, commissioning, operation and development engineers



Duration:

Five days



Culemeyerstraße 1
12277 Berlin, Germany
T +49 30 7622 4400
Learning.Center@ge.com



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Drive Systems

Seminar No. 102 AC drive systems

Course Description:

This course introduces the fundamental principles of drive systems. Participants will learn the basics of squirrel cages, doubly fed asynchronous machines, and synchronous electrical machines. They also will learn the fundamentals of electrical machine operation and control, power electronic components and circuits, variable 3-phase voltage sources (pulse pattern generators), voltage source inverters, variable 3-phase current sources, current source inverters, and control of AC variable speed drives.



Learning Outcomes:

Basic knowledge of AC variable speed drives and their application



Prerequisites:

Fundamental knowledge of general electrical engineering



Participants:

Design, commissioning, operation and development engineers



Duration:

Three days



Culemeyerstraße 1
12277 Berlin, Germany

T +49 30 7622 4400
Learning.Center@ge.com

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Drive Systems

Seminar No. 103 Power electronics

Course Description:

The aim of this course is to introduce participants to converter technology. This is done through a thorough discussion about power electronics components, AC and DC circuit switching in power electronic applications, and single phase and 3-phase converters. Participants also learn about diode rectifiers, thyristor converters, IGBT two- and three-level inverters, IGBT inverters as front end, and motor converters and pulse pattern generators. Additionally, participants will learn about motor and active front-end control as well as EMC, harmonics, and filters.



Learning Outcomes:

Basic knowledge in effectiveness of drive systems and interaction with other system components



Prerequisites:

Fundamental knowledge of basic electrical engineering



Participants:

Design, commissioning, operation and development engineers



Duration:

Five days



Culemeyerstraße 1
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Drive Systems

Seminar No. 104 Oscillation in drive systems

Course Description:

During this course participants will learn about drive trains oscillation analysis (two mass oscillators) and the design of drive trains. They will understand oscillation compensation as also torsion and bending oscillation. The purpose is also to learn about mechanical stimulated periodical noise and oscillations, torque impulse caused by mechanical blocking or electrical short circuit and go through the design of control loops, filter and damping networks for oscillations, oscillation in control loops with back lash, multi mass system and modern control approach for oscillation damping (state space control).



Learning Outcomes:

Basic knowledge about dealing with oscillations



Prerequisites:

Fundamental knowledge of general electrical engineering and control application



Participants:

Design, commissioning, operation and development engineers



Duration:

One day



Culemeyerstraße 1
12277 Berlin, Germany

T +49 30 7622 4400
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Seminar No. 105 WNTC-F variable speed drive for direct current motors

Course Description:

During the training the attendees will learn about DC motor reminders, Thyristor bridges and DC motor control principles. They will have an understanding for the range of power, configuration, main components and options of WNTC-F. Concerning the commissioning part the trainees will learn the method of commissioning, parameterization using the keypad, parameterization using AGILITY software, open loop VVVF control mode, regulation loops setting, detail schematic diagram, software advanced functions, faults and alarms as well as troubleshooting. Remote control using a fieldbus will be also a topic.

This training consists of 50% practical exercises and practical equipment. With two WNTC-F mock-up equipped with their workstations enables commissioning and use of the WNTC-F variable speed drive.



Learning Outcomes:

- Understand the variable speed principles applied to the DC motor control
- Be able to commission and start the drive
- Identify and analyze the troubles, and fix them



Prerequisites:

None



Participants:

Commissioning technicians and service personnel



Duration:

5 days



18 Avenue du Quèbec
91140 Villebon-sur-Yvette
(France)

T +33 (0)1 77 31 20 00
Formation.villebon@ge.com



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Electrical Systems

Seminar No. 110

Work safety during commissioning and service operations

Course Description:

Seminar participants will learn the procedure of commissioning and service operations out of a work safety perspective. They will be able to apply the safety regulations. In addition, participants will learn how to choose and apply measuring instruments and tools.



Learning Outcomes:

Sensitization of commissioning and service personnel to avoid risks



Prerequisites:

None



Participants:

Commissioning technicians and service personnel



Duration:

2 days



Culemeyerstraße 1
12277 Berlin, Germany

T +49 30 7622 4400
Learning.Center@ge.com

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Rotating Machines

Seminar No. 710

Fundamentals of Electrical Motors

Course Description:

This course introduces the fundamental principles of electrical motors. Participants will learn about electromagnetism, rotating fields, induction machines and synchronous electrical machines. Additionally, they will understand the different components of motors, such as bearing units, cooling systems, frames and instrumentation.



Learning Outcomes:

Fundamental knowledge of the function of the components of electrical motors



Prerequisites:

Fundamental knowledge of basic electrical engineering



Participants:

Project managers, buyers, commissioning, operation and maintenance engineers



Duration:

½ day



442 rue de la la Rompure
54250 Champigneulle, France

T +33 3 83 38 42 23
vanessa.guerard@ge.com

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Power Systems

M400

Power Systems (Marine and Offshore)

Course Description:

This course covers vessel power systems in use in the offshore industry—from the requirements of shipyards, owners, operators and classification societies, to the solutions in place for the power generation and distribution systems of offshore vessels—particularly vessels with Dynamic Positioning systems.

The whole range of equipment is covered, from engines, generators and other electrical equipment (LV or HV) to its control and automation. Trainees will develop an understanding of the reasons for equipment choice, settings, functionality and operation and—importantly—the interactions between different parts of the system and how this affects them.

Learning Outcomes:

To gain an insight into the operation, functionality and design principles of offshore power systems to enable trainees to operate and maintain their systems safely and competently, and to undertake first line fault finding, so reducing downtime and improving safety.

Prerequisites:

Electrical engineering background; Staff attending should be familiar with vessel operational procedures.

Participants:

Onshore electrical support and engineering staff; vessel electrical and electronic staff; shipyard electrical design staff.

Duration:

4 days



Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

Rugby:

Boughton Road
Rugby, CV21 1BU, United Kingdom
T +44 (0)1788 563563
marine.training@ge.com

Marine

Dynamic Positioning





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Dynamic Positioning (DP)

M401

Dynamic Positioning Induction (Basic)

Course Description:

DP Basic Induction is the first of two courses provided by The Nautical Institute in the Dynamic Positioning Training Scheme. It is a 28-hour, 4-day course, which focuses on the theoretical basis of Dynamic Positioning. DP Trainees are instructed in the elemental components of DP, and its myriad uses in the offshore environment. Practical exercises are conducted on GE C-Series Workstations, through which DP Trainees become familiar with the structure of Dynamic Positioning software, and the application thereof to differing operational and environmental constraints.



Learning Outcomes:

Introduction and principles of operation, elements of DP systems, system operation and control modes, sensor inputs, thrusters and power generation, vessel capabilities, control console and displays, along with DP workstations practical exercises.



Prerequisites:

Licensed Deck Officer or Deck Cadet



Participants:

STCW- or Nationally-Licensed Deck Officer or Maritime Academy Cadet currently attending but not yet qualified for officer tests; Vessel Masters, Mates, Pilot Association members, Deck Cadets, DP Operators and other personnel associated with the day to day operation of DP systems



Duration:

4 days



Busan:

12F, Centum Science Park
79, Centum Jungang-ro,
Haeundae-gu Busan 48058,
South Korea
Mob Phone +82 (0)1040159051

Houston:

11330 Clay Road Westway Plaza
1st Floor
Houston, TX 77041
T +18508678020
na.training.team@ge.com

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Dynamic Positioning (DP)

M402

Dynamic Positioning Simulator (Advanced)

Course Description:

DP Advanced Simulator is the second course in the DP Training Scheme by The Nautical Institute. It is a 28-hour, 4-day course, which focuses nearly entirely on the practical application of Dynamic Positioning utilizing GE Marine's Class-A Simulator. Through a series of simulator exercises, DP Trainees learn detailed operations planning, weather observation, power management stratagem, Blackout Recovery methods, DP incident mitigation and many other skills necessary to being a valuable member of the Bridge Team. Exercise time spent entering the 500-Meter Zone is minimal; emphasis is placed on DP Operations.



Learning Outcomes:

DP system and vessel safe operational procedures, system alarm messages, DP system setup, as well as power generation faults, failures and safe operation. The course includes DP system simulator exercises, involving different vessels and types of operations.



Prerequisites:

STCW- or Nationally-Licensed Deck Officer or Maritime Academy Deck Cadet currently attending but not yet qualified for officer tests



Participants:

STCW- or Nationally-Licensed Deck Officer or Maritime Academy Cadet currently attending but not yet qualified for officer tests; Vessel Masters, Mates, Pilot Association members, Deck Cadets, DP Operators and other personnel associated with the day to day operation of DP systems



Duration:

4 days



11330 Clay Road Westway Plaza
1st Floor
Houston, TX 77041
T +18508678020
na.training.team@ge.com



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Dynamic Positioning (DP)

M403

Dynamic Positioning Seatime Reduction

Course Description:

DP Seatime Reduction is a 38-hour, 5-day course, which puts DP Operator Trainees through continual, intense exercises going beyond those to which they are exposed in the DP Advanced Simulator course. Emphasis is placed on the DP Trainee understanding that they, as the DPO, are the most important component of the DP System. Through tasks focusing on risk mitigation, the DP Trainee learns that Dynamic Positioning cannot be undertaken as a reactionary endeavor, and they complete the course recognizing the full scope of responsibilities of the DPO.



Learning Outcomes:

The reiteration of training and seatime is costly to companies and individuals alike. If a Full or Limited DP Certificate has not been issued within the 4- or 5-year time period, it is mandated that the DP Trainee repeat any and all courses and seatime set to expire, costing the DP Trainee and his company that much more time. To preclude this expiration, five days spent in DP Seatime Reduction is deemed equal to 30 DP Seatime days, bringing the DP Trainee that much closer to completing the lengthy DP Training Scheme.



Prerequisites:

STW- or Nationally-Licensed Deck Officer; Completed DP Basic Induction and DP Advanced Simulator



Participants:

Vessel Masters, Mates, Pilot Association members, Deck Cadets, DP Operators and other personnel associated with the day to day operation of DP systems



Duration:

5 days



11330 Clay Road Westway Plaza
1st Floor
Houston, TX 77041
T +18508678020
na.training.team@ge.com



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Dynamic Positioning (DP)

M404

Dynamic Positioning Software Familiarization

Course Description:

DP Software Familiarization can be booked for either C-Series or GE Seastream* software. This course is intended for persons with an interest in the user interface of GE Dynamic Positioning Systems.



Learning Outcomes:

Introduction and principles of operation, control console and displays, along with DP workstation practical exercises.



Prerequisites:

Basic understanding of DP systems



Participants:

This course can easily be adapted to the target audience, ranging from operators who are looking to improve their knowledge of the system to other personnel who would like to have a better understanding of DP operations but have little to no operational experience



Duration:

2 days



Busan:

12F, Centum Science Park
79, Centum Jungang-ro,
Haeundae-gu Busan 48058,
South Korea
Mob Phone +82 (0)1040159051

Houston:

11330 Clay Road Westway Plaza
1st Floor
Houston, TX 77041
T +18508678020
na.training.team@ge.com

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Dynamic Positioning (DP)

M405 Dynamic Positioning System Maintenance

Course Description:

The DP System Maintenance course is designed for all personnel who troubleshoot and maintain GE DP equipment.



Learning Outcomes:

Theory of system operation, hardware architecture, sensors, networking, serial communication, alarms and troubleshooting, wiring diagrams, as well as hands on troubleshooting exercises, utilizing consoles and thruster field station simulation.



Prerequisites:

Basic understanding of electrical or low voltage electronics, Networking standards (ex. TCP/IP), NMEA sensor standards 0183 (Serial) and 2000 (Ethernet), and basic control theory



Participants:

Technicians, Vessel Assistant and Chief Engineers, Port Engineers, Maintenance Supervisors and Engine Cadets



Duration:

4 days



Busan:

12F, Centum Science Park
79, Centum Jungang-ro,
Haeundae-gu Busan 48058,
South Korea
Mob Phone +82 (0)1040159051

Houston:

11330 Clay Road Westway Plaza
1st Floor
Houston, TX 77041
T +18508678020
na.training.team@ge.com



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Dynamic Positioning

M100 / M100-T

Dynamic Positioning (DP) and Automation Maintenance

(DP-TAMS option available: M100-T)

Course Description:

This course covers the Dynamic Positioning and Automation systems in place on offshore vessels, with an emphasis on diagnostics and fault-finding procedures, to suit the needs of technical and maintenance staff. The DP-TAMS option covers the DP and Automation systems as relevant to vessels with Thruster-Assisted Mooring Systems (DP-TAMS).

Learning Outcomes:

To gain an insight into the workings of the Dynamic Positioning control and Automation systems for a specified vessel; to aid staff in fault diagnosis and general maintenance of the system.

The primary aim of all courses is to improve the safety and reliability of DP operations through the increased knowledge and competence of key DP personnel.

Prerequisites:

General electrical background, basic computer skills. Staff attending should be familiar with vessel operational procedures.

Participants:

Maintainers of GE Power Conversions/Convertteam's Dynamic Positioning (DP or DP-TAMS) and Integrated Automation System (IAS)/Automatic Vessel Control (AVC) systems; Vessel operating staff of such IAS/AVC systems; typically engineering and electrical staff, electro-technical officers (ETOs).

Duration:

3 days



Busan:

12F, Centum Science Park
79, Centum Jungang -ro,
Haeundae-gu Busan 48058,
South Korea
Mob Phone +82 (0)1040159051

Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

Rugby:

Boughton Road
Rugby, CV21 1BU, United Kingdom
T +44 (0)1788 563563
marine.training@ge.com



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Dynamic Positioning

M101 / M101-T

Dynamic Positioning (DP) and Automation Operator Familiarization (DP-TAMS option available: M101-T)

Course Description:

This course covers the Dynamic Positioning and Automation systems in place on offshore vessels, with an emphasis on operational aspects.

The Dynamic Positioning section provides familiarization training for operators using GE dynamic positioning systems. This includes how to carry out the various tasks required of a dynamic positioning operator (DPO) using the GE system, with the external simulator used for visualization. Courses focus on the “how” rather than the “when” or “why” of DP operation.

The Automation (IAS/AVC) section provides familiarization for operators and engineers using the GE Automation system, looking at both general operational principles and at diagnostics and fault-finding facilities. The DP-TAMS option covers the DP and Automation systems as relevant to vessels with Thruster-Assisted Mooring Systems (DP-TAMS).

Learning Outcomes:

To gain an insight into the operation and control functions of the Dynamic Positioning and Automation control systems for a specified vessel.

The primary aim of all courses is to improve the safety and reliability of DP operations through the increased knowledge and competence of key DP personnel.

Prerequisites:

Staff attending should be familiar with DP principles and vessel operating procedures.

Participants:

Operators of GE Power Conversion/Convertteam's AMC-based Dynamic Positioning (DP or DP-TAMS) and Integrated Automation System (IAS)/Automatic Vessel Control (AVC) systems.

Duration:

3 days



Busan:

12F, Centum Science Park
79, Centum Jungang -ro,
Haeundae-gu Busan 48058,
South Korea
Mob Phone +82 (0)1040159051

Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

Rugby:

Boughton Road
Rugby, CV21 1BU, United Kingdom
T +44 (0)1788 563563
marine.training@ge.com



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Dynamic Positioning

M102 / M102-T

Dynamic Positioning (DP) Maintenance

(DP-TAMS option available: M102-T)

Course Description:

This course covers the Dynamic Positioning systems in place on offshore vessels, with an emphasis on diagnostics and fault-finding procedures, to suit the needs of technical and maintenance staff. The DP-TAMS option covers DP systems as relevant to vessels with Thruster-Assisted Mooring Systems (DP-TAMS).

Learning Outcomes:

To gain an insight into the workings of the Dynamic Positioning control systems for a specified vessel; to aid staff in fault diagnosis and general maintenance of the system.

The primary aim of all courses is to improve the safety and reliability of DP operations through the increased knowledge and competence of key DP personnel.

Prerequisites:

General electrical background, basic computer skills. Staff attending should be familiar with vessel operational procedures.

Participants:

Maintainers of GE Power Conversion/Convertteam's AMC-based Dynamic Positioning (DP or DP-TAMS) systems; typically electro-technical officers (ETOs), engineering and electrical staff.

Duration:

2 days



Busan:

12F, Centum Science Park
79, Centum Jungang-ro,
Haeundae-gu Busan 48058,
South Korea
Mob Phone +82 (0)1040159051

Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

Rugby:

Boughton Road
Rugby, CV21 1BU, United Kingdom
T +44 (0)1788 563563
marine.training@ge.com



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Dynamic Positioning

M103 / M103-T

Dynamic Positioning (DP) Operator Familiarization

(DP-TAMS option available: M103-T)

Course Description:

This course covers the Dynamic Positioning systems in place on offshore vessels, with an emphasis on operational aspects.

The course provides familiarization training for operators using GE Dynamic Positioning systems. This includes how to carry out the various tasks required of a dynamic positioning operator (DPO) using the GE system, with the external simulator used for visualization. Courses focus on the “how” rather than the “when” or “why” of DP operation. The DP-TAMS option covers DP systems as relevant to vessels with Thruster-Assisted Mooring Systems (DP-TAMS).



Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

Rugby:

Boughton Road
Rugby, CV21 1BU, United Kingdom
T +44 (0)1788 563563
marine.training@ge.com



Learning Outcomes:

To gain an insight into the operation and control functions of the Dynamic Positioning (DP or DP-TAMS) control systems for a specified vessel.

The primary aim of all courses is to improve the safety and reliability of DP operations through the increased knowledge and competence of key DP personnel.



Prerequisites:

Staff attending should be familiar with DP principles and vessel operating procedures.



Participants:

Operators of GE Power Conversion/Convertteam's AMC-based Dynamic Positioning (DP or DP-TAMS) systems.



Duration:

2 days



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Operator Familiarization

M105

Dynamic Positioning (DP) Operator Familiarization and Maintenance Overview



Course Description:

This course provides familiarization training for operators using GE Dynamic Positioning (DP) systems. This includes how to carry out the various tasks required of a dynamic positioning operator (DPO) using the GE system, with the external simulator used for visualization. Courses focus on the “how” rather than the “when” or “why” of DP operation.

The course also covers aspects related to maintenance and system diagnostics; it enables understanding of the control system, the procedures necessary for fault finding, and how to capture vessel data in order to maximize the effectiveness of support from GE.



Learning Outcomes:

To gain an insight into the operation and control functions of the Dynamic Positioning control system for a specified vessel; to aid the operator in the operation of the system and the engineer in fault diagnosis and general maintenance of the system.

The primary aim of all courses is to improve the safety and reliability of DP operations through the increased knowledge and competence of key DP personnel.



Prerequisites:

General electrical background, basic computer skills. Staff attending should be familiar with vessel operational procedures.



Participants:

Maintainers and operators of GE Power Conversion/Converteam’s AMC-based Dynamic Positioning (DP or DP-TAMS) control systems; typically engineering and electrical staff, electro-technical officers (ETOs), DPOs; technical superintendents and project engineers.

The course is especially relevant to operators who need to know more about the hardware and system architecture, and to technical staff who need to have a greater understanding of DP operation.



Duration:
3 days



Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

Rugby:

Boughton Road
Rugby, CV21 1BU, United Kingdom
T +44 (0)1788 563563
marine.training@ge.com

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Operator Familiarization

M106

Dynamic Positioning Scenario/ Incident (non-NI)

Course Description:

This course provides students the opportunity to practice handling specific situations associated with vessels and operations and to reflect on their performance. Generic or customer-specific Dynamic Positioning situations, scenarios and real Dynamic Positioning incidents are used to build on existing experience using our advanced DP system simulator with highly experienced Dynamic Positioning Operator instructors.



Learning Outcomes:

DP Operators will be better equipped with knowledge, skills and experience to react appropriately to non-routine situations and make sound judgments in complex circumstances. The primary aim of all courses is to improve the safety and reliability of DP operations through the increased knowledge and competence of key DP personnel.



Prerequisites:

Staff attending should ideally be familiar with DP principles and vessel operating procedures.



Participants:

Dynamic Positioning Operators.



Duration:

3 days



Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

Rugby:

Boughton Road
Rugby, CV21 1BU, United Kingdom
T +44 (0)1788 563563
marine.training@ge.com

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Operator Familiarization

M107

Automation System Operation – Drilling Systems

Course Description:

This course covers the Automation systems in place on offshore drilling vessels, with a focus on the principles and operation of the Automatic Vessel Control (AVC), Power Management (PMS) and Drilling Drives systems.



Learning Outcomes:

To gain an insight into the operation and control functions of the Automation system for a drilling vessel; to familiarize operators with all the functions of the system including the comprehensive diagnostic and fault-finding facilities; to improve the safety and reliability of drilling operations, through the increased knowledge and competence of key vessel personnel.



Prerequisites:

Staff attending should ideally be familiar with vessel operating procedures.



Participants:

Vessel engineering and electrical staff, electro-technical officers (ETOs), AVC/ drilling operating staff.



Duration:

3 days



Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

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M406

Automation System Operation and Maintenance

Course Description:

Introduction to benefits and functions of the Power (PMS) and Vessel Management Systems (VMS).



Learning Outcomes:

Software screen representations, system hardware and network structure, and an understanding of the system operation onboard the vessel. Attendees will also participate in hands on simulation exercises encompassing power system faults and failures, shipboard controls, alarms and equipment monitoring.



Prerequisites:

Basic understanding of electrical systems, networking standards (ex. TCP/IP), NMEA sensor standards 0183 (Serial) and 2000 (Ethernet), Power Management Theory, switchboard logic



Participants:

Technicians, Vessel Assistant and Chief Engineers, Port Engineers, Maintenance Supervisors and Engine Cadets



Duration:

4 days



11330 Clay Road Westway Plaza
1st Floor
Houston, TX 77041
T +18508678020
na.training.team@ge.com

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Operator Familiarization

M104

Automation Operator Familiarization and Maintenance

Course Description:

This course covers the Automation systems in place on offshore vessels, with an emphasis on both the operational aspects and on diagnostics and fault-finding procedures, to suit the needs of operational, technical and maintenance staff.

“Automation” incorporates power management (PMS), vessel management (VMS/VCS), ballast and cargo control systems, etc.—as defined by the individual project scope.



Learning Outcomes:

To gain an insight into the operation and control functions of the Automation system for a specified vessel; to familiarize operators with all the functions of the system including the comprehensive diagnostic and fault-finding facilities; to aid staff in fault diagnosis and general maintenance of the system.

The primary aim of all courses is to improve the safety and reliability of DP operations through the increased knowledge and competence of key DP personnel.



Prerequisites:

General electrical background, basic computer skills. Staff attending should be familiar with vessel operational procedures.



Participants:

Vessel operating and maintenance staff of GE Power Conversion/ Convertteam's AMC-based Integrated Automation System (IAS)/Automatic Vessel Control (AVC) systems; typically engineering and electrical staff, electro-technical officers (ETOs).



Duration:

2 days



Macaé:

Rua Arquimedes de Souza França 95
Granja dos Cavaleiros
27930-145
Macaé, RJ Brazil
T +55 (22) 3518 3021
macae.training@ge.com

Rugby:

Boughton Road
Rugby, CV21 1BU, United Kingdom
T +44 (0)1788 563563
marine.training@ge.com

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PEC(E) Control

M011 SD7000

Synchronous Inboard Motor

Course Description:

This Synchronous Inboard Motor course provides participants with an understanding of their Electrical Propulsion System (EPS) and the technology used on board. The course also covers system configuration and setup.



Learning Outcomes:

Course attendees will learn the fundamentals of electrical drive, control, automation, network, HMI, and motor operation.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

3 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
Belfort Cedex, 90008 France
T +33 3 84 98 10 00
marine.training.belfort@ge.com

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PEC(E) Control

M012 SD7000 LCI Drive Synchronous POD Motor

Course Description:

This Synchronous POD Motor course covers the architecture and technology used aboard your Electrical Propulsion System (EPS). Participants also will learn about system configuration and setup as well as the POD sub-equipment and operating system.



Learning Outcomes:

Participants will be introduced to the basics of electrical drive, control, automation, network, HMI, motor, and POD operation.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

3 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
Belfort Cedex, 90008 France
T +33 3 84 98 10 00
marine.training.belfort@ge.com

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PEC(E) Control

M013 MV7000 PWM Drive Asynchronous Inboard Motor

Course Description:

This Asynchronous Inboard Motor course provides an understanding of the architecture and technology used aboard your Electrical Propulsion System (EPS). In addition, participants will learn about system configuration and setup.



Learning Outcomes:

Attendees will gain a basic knowledge of electrical drive, control, automation, HMI, and motor operation.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

3 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
Belfort Cedex, 90008 France
T +33 3 84 98 10 00
marine.training.belfort@ge.com



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PEC(E) Control

M014 MV7000 PWM Asynchronous POD Motor

Course Description:

This Asynchronous POD Motor course provides participants with an understanding of the architecture and technology used aboard their Electrical Propulsion System (EPS). The course also covers system configuration and setup as well as information related to the POD sub-equipment and operating system.



Learning Outcomes:

Course attendees will learn the basics of electrical drive, control, automation, HMI, motor, and POD operation.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

4 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
Belfort Cedex, 90008 France
T +33 3 84 98 10 00
marine.training.belfort@ge.com



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SYCONUM technology

M015 SD7000 LCI Drive Synchronous Inboard Motor

Course Description:

This Synchronous Inboard Motor course provides an understanding of the architecture and technology used aboard your Electrical Propulsions System (EPS). Course attendees will also learn about system configuration and setup.



Learning Outcomes:

Participants will learn the basics of electrical drive, control, automation, network, HMI, and motor operation.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

3 days



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SYCONUM technology

M016 SD7000 LCI Drive Synchronous POD Motor

Course Description:

This Synchronous POD Motor course provides insight on the architecture and technology used aboard your Electrical Propulsion System (EPS). Additionally, it covers system configuration and setup as well as the POD sub-equipment and operating system.



Learning Outcomes:

Course participants will be introduced to electrical drive, control, automation, network, HMI, motor, and POD operation.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

4 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
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marine.training.belfort@ge.com

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OPSY Technology

M017 ONYX PWM Drive Synchronous POD Motor

Course Description:

This Synchronous POD Motor course provides participants with an understanding of the architecture and technology used aboard their Electrical Propulsion System (EPS). The course also covers system configuration and setup as well as the POD sub-equipment and operating system.



Learning Outcomes:

Attendees will gain basic knowledge about electrical drive, control, automation, network, HMI, motor, and POD operation.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

4 days



Belfort

24, Avenue du Maréchal Juin
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T +33 3 84 98 10 00
marine.training.belfort@ge.com

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PEC(E) Control

M021 SD7000 LCI Drive Synchronous POD & Inboard Motor

Course Description:

This Synchronous POD and Inboard Motor course describes how to best maintain, operate, and troubleshoot equipment.



Learning Outcomes:

Participants will gain basic knowledge related to the maintenance of the strategic equipment supplied by GE. Additionally, students will learn about issue identification and troubleshooting as well as performing maintenance and troubleshooting practice with exercises and procedures related to replacing equipment, reloading software and understanding safety rules.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

3 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
Belfort Cedex, 90008 France
T +33 3 84 98 10 00
marine.training.belfort@ge.com



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PEC(E) Control

M022 MV7000 PWM Drive Asynchronous POD & Inboard Motor

Course Description:

This Asynchronous POD and Inboard Motor course covers suggested equipment maintenance practices as well as operation and troubleshooting.



Learning Outcomes:

Course participants will learn the basics of maintenance on the strategic equipment supplied by GE. The course also covers issue identification and troubleshooting through exercises and procedures related to replacing equipment, reloading software and explaining safety rules.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

3 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
Belfort Cedex, 90008 France
T +33 3 84 98 10 00
marine.training.belfort@ge.com

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SYCONUM technology

M023 SD7000 LCI Drive Synchronous POD & Inboard Motor

Course Description:

This Synchronous POD & Inboard Motor course teaches participants how to best maintain, operate and troubleshoot equipment.



Learning Outcomes:

Students will learn about the maintenance of the strategic equipment supplied by GE. The course also covers the basics on issue identification and troubleshooting. Students receive maintenance and troubleshooting practice with exercises and procedures related to replacing equipment, reloading software and understanding safety rules.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



Duration:

3 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
Belfort Cedex, 90008 France
T +33 3 84 98 10 00
marine.training.belfort@ge.com



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OPSYS technology

M024 SD7000 LCI Drive Synchronous POD Motor

Course Description:

This Synchronous POD Motor course covers suggested equipment maintenance, operation, and troubleshooting.



Learning Outcomes:

Participants will gain basic knowledge of the maintenance of the strategical equipment supplied by GE. Additionally, the course covers issue identification and troubleshooting. Students will perform maintenance and troubleshooting practice with exercises and procedures related to replacing equipment, reloading software and understanding safety rules.



Prerequisites:

Basic knowledge of electrical engineering and electronics; use of a personal computer



Participants:

From junior to expert level



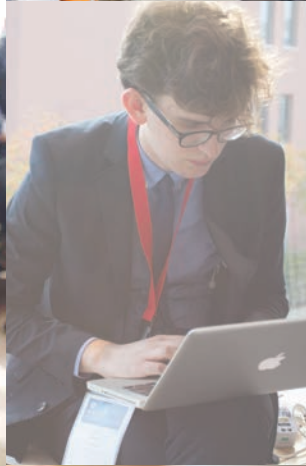
Duration:

3 days



Belfort

24, Avenue du Maréchal Juin
BP 40437
Belfort Cedex, 90008 France
T +33 3 84 98 10 00
marine.training.belfort@ge.com





Germany

Global Technical Learning Center
49 30 76224442
GE Power Conversion
Culemeyerstraße 1
12277 Berlin
learning.center@ge.com

US

Houston Training Center
T +18508678020
GE Power Conversion
11330 Clay Road Westway Plaza - 1st Floor Houston, TX 77041
na.training.team@ge.com

South Korea

Busan Training center
+82 (0)1040159051
GE Power Conversion
12F centum science Park 79,
centum jungang-ro Haeundae-gu Busan 48058
roland.pascal@ge.com

Brazil

Macaé Training Center
T +55 (22) 3518 3021
GE Power Conversion
Rua Arquimedes de Souza França,
95. Novo Cavaleiros. Macaé. CEP 27930-145
macae.training@ge.com

France

Nancy
T +33 3 83 38 42 23
GE Power Conversion
442 rue de la la Rompure
54250 Champigneulles, France
vanessa.guerard@ge.com

France

Villebon
T +33 (0)1 77 31 20 00
GE Power Conversion
18 Avenue du Quèbec 91140 Villebon-sur-Yvette
Formation.villebon@ge.com

France

Belfort
T +33 3 84 98 10 00
GE Power Conversion
24, Avenue du Maréchal Juin BP 40437 Belfort
marine.training.belfort@ge.com

UK

Rugby
T +44 (0)1788 563563
GE Power Conversion
Boughton Road
Rugby, CV21 1BU, United Kingdom
marine.training@ge.com