2025

DIETSMANN
QUALIFICATION COLLEGE

Training center since 2015

TRAINING

Dietsmann
Maintaining Energy

Operations & Maintenance

❑Maintenance contracts

- Multi-business maintenance contracts
- tanker / gas / mining scope of work
- Conventional and combined-cycle power plant
- Marine service
- Logistics service

Construction

❑Works & Engineering of construction

- Electricity & Instrumentation & Automation
- Structure (container techniques - Shelters)
- Manufacture of electrical cabins / automation
- HVAC – Heating, Ventilation, Air Conditioning

❑Preservation

❑Purchase of spare parts, components and materials

❑Pre-Commissioning & Commissioning

New technologies

❑Data collection and analysis

- Inspection robots and drones
- Data collection with tablets
- Preventive maintenance
- Automatic data extraction with AI

❑Remote Support

- Smart glasses
- Digitization via tablets

Engineering

❑GREENFIELD - Maintenance & Inspection Engineering >

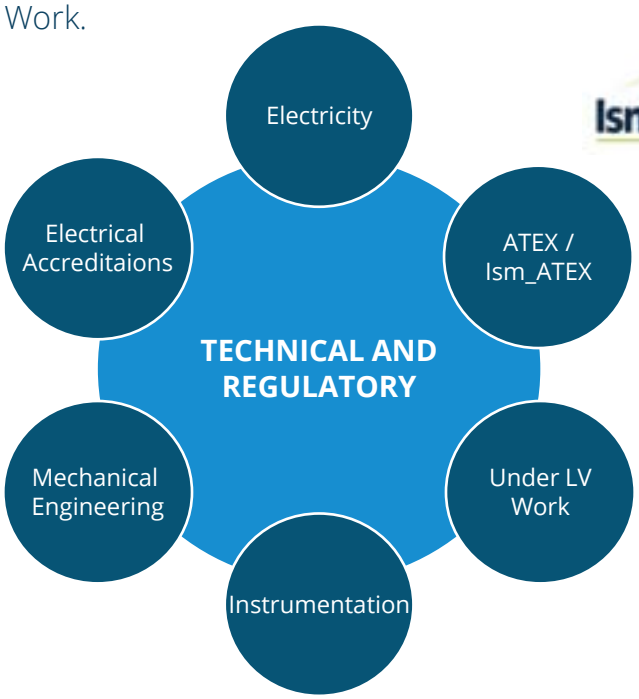
❑BROWNFIELD -> Optimization studies

- Maintenance & Inspection Plans
- Maintenance operations
- Optimization and purchasing of spare parts

❑De-Commissioning studies

TRAINING CENTER
TECHNICAL AND REGULATORY

Training center since 2015, QUALIOPI certified and approved by the Ministry of Labor (Order of December 23, 2024) concerning electrical accreditation training related to Under Voltage Battery Work.



COMMITTED TO THE HIGHEST
STANDARDS HSEQ

- Certificate QUALIOPI
- Quality System Management
- Certificate ISO 9001
- Charter & HSEQ Policies
- Certificate ISO 14001
- Certification MASE
- Certificate ISO 45001

Training courses guaranteeing quality and expertise in the industrial field.

DIETSMANN QUALIFICATION COLLEGE

TOULOUSE

100m² for training !

1 HV/LV electrical simulation room

1 training room

1 lunch break space

SALIES-DU-SALAT

500m² for training !

1 HV/LV electrical simulation room

1 instrumentation room with a bench test

1 metrology room

1 mechanical workshop

2 training rooms

1 lunch break space

OUR TRAINERS

Experts in their disciplines, our trainers have been selected for their know-how acquired in Dietsmann's subsidiaries around the world and for their excellent teaching and facilitation skills.

Dietsmann
Maintaining Energy

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TRAINING

Dietsmann
Maintaining Energy

D-HE08 ELEC ACCREDITAT° UNDER VOLTAGE WORK LV BATTERY - Initial

Target public

Electrician aiming for accreditation to work under low voltage stationary batteries

Prerequisites

Hold a minimum B1V valid accreditation, have at least 1 year professional experience in the field of electrical work without voltage, be 18 years old

The learner must have his PPE

Objectives, *at the end of the training the learner will be able:*

- To know the knowledge and know-how defined in the NFC 18-505-1 and NF C 18-505-2-3 standards for carrying out under voltage work on stationary storage batteries
- To identify and carry out under voltage work in safety by applying the defined operating procedures and associated gestures
- To interrupt an under voltage operation in progress when a technical or material difficulty not foreseen in the operating procedure appears

3 days (21h) *« 40% theory / 60% practice»*

2 to 6 trainees per session

On-site at our Toulouse location (France)

Declaration of electrical qualification to work under voltage + Certificate of Completion

COMPLIES WITH THE ORG TST IE TRAINING FRAMEWORK Annex 3 dated 13/01/2017

D-HE16 ELEC ACCREDITAT° UNDER VOLTAGE WORK BATTERY– Refresh

Target public

Electrician aiming for accreditation to work under low voltage stationary batteries

Prerequisites

Hold a minimum B1V valid accreditation, have at least 1 year professional experience in the field of electrical work without voltage, be 18 years old

The learner must have his PPE

Objectives, at the end of the training the learner will be able:

- To know the knowledge and know-how defined in the NFC 18-505-1 and NF C 18-505-2-3 standards for carrying out under voltage work on stationary storage batteries
- To identify and carry out under voltage work in safety by applying the defined operating procedures and associated gestures
- To interrupt an under voltage operation in progress when a technical or material difficulty not foreseen in the operating procedure appears

2 days (14h) *« 30% theory / 70% practice»*

2 to 6 trainees/session

On-site at our Toulouse location (France)

Declaration of electrical qualification to work under voltage + Certificate of Completion

D-HE01/11 ELEC ACCREDITAT° B0-H0-H0V Executor

Target public

Non-electrician staff

Performing non-electrical work in the vicinity of electrical installations

Carrying out their professional activity in areas with electrical risks

Prerequisites (Refresh)

Hold an equivalent valid electrical accreditation

Objectives, at the end of the training the learner will be able:

- To safely carry out simple non-electrical operations
- To respect the boundaries of the work area and the limits of the access roads prescribed to them
- To warn the WORKS MANAGER or the SITE MANAGER if he considers that the tasks entrusted to him are not compatible with their CLEARANCE or training

- Initial or Refresh => 1 day (7h) *« 70% theory / 30% practice»*
- 1 to 8 trainees per session
- On site at our Salies-Du-Salat or Toulouse location / In your offices / Remote
- Electrical certification in accordance with NF C18-510 + Certificate of Completion

D-HE02/12 ELEC ACCREDITAT° B0-H0-H0V Site manager

Target public

Non-electrician staff

Work manager for non-electrical work near electrical installations

Prerequisites (Refresh)

Hold an equivalent valid electrical accreditation

Objectives, at the end of the training the learner will be able:

- To allow the organization of non-electrical work
- To delineate a work area and monitor staff

- Initial => 1,5 days (10,5h) *« 60% theory / 40% practice»*
  Refresh => 1 day (7h) *« 70% theory / 30% practice»*
- 1 to 8 trainees per session
- On site at our Salies-Du-Salat or Toulouse location / In your offices / Remote
- Electrical certification in accordance with NF C18-510 + Certificate of Completion

D-HE06/15 ELEC ACCREDITAT° B0-H0-BE / HE Manœuvre

Target public

Non-electrician staff

Performing non-electrical work in the vicinity of electrical installations

Performing operating manoeuvres on order

Prerequisites (Refresh)

Hold an equivalent valid electrical accreditation

Objectives, at the end of the training the learner will be able:

- To carry out operating manoeuvre operations in a safe manner
- To comply with instructions and documents
- To use protective equipment and materials and know their limits of use

Initial => 2 days (14h) *« 60% theory / 40% practice»*
Refresh => 1,5 days (10,5h) *« 60% theory / 40% practice»*

1 to 8 trainees per session

On site at our Salies-Du-Salat or Toulouse location (France) / In your offices

Electrical certification in accordance with NF C18-510 + Certificate of Completion

D-HE07/15 ELEC ACCREDITAT° B0-H0-BS

Target public

Maintenance or operating personnel

Performing simple electrical work

Carrying out simple replacement and connection interventions on LV electrical installations

Prerequisites

Mastering the basics of electricity

Prerequisites (Refresh)

Hold an equivalent valid electrical accreditation

Objectives, at the end of the training the learner will be able:

- To safely replace lamps, lighting fixtures, sockets or switches
- To reset a protection device and/or replace a LV fuse identically
- To use protective equipment and materials and know their limits of use

Initial => 2 days (14h) *« 60% theory / 40% practice»*
Refresh => 1,5 days (10,5h) *« 60% theory / 40% practice»*

1 to 8 trainees per session

On site at our Salies-Du-Salat or Toulouse location / In your offices

Electrical certification in accordance with NF C18-510 + Certificate of Completion

D-HE03/13 ELEC ACCREDITAT° B1V-B2V-BC-BR-H1V-H2V-HC

Target public

Electricians who must carry out interventions, lockouts and/or LV and HVA work, with the knowledge of electricity and the professional skills corresponding to the tasks to be carried out

Prerequisites

Electrical skills

Prerequisites (Refresh)

Hold an equivalent valid electrical accreditation

Objectives, at the end of the training the learner will be able:

- To operate safely on all or part of a structure in operation
- To know the regulations and the risks presented by LV and HV installations and equipment
- To carry out safe operations on LV-HVA electrical structures or installations

Initial => 3 days (21h)
« 60% theory / 40% practice»
Refresh => 1,5 days (10,5h)
« 60% theory / 40% practice»

1 to 8 trainees per session

On site at our Salies-Du-Salat or Toulouse (France)/ In your offices

Electrical certification in accordance with NF C18-510 + Certificate of Completion

D-HE04/14 ELEC ACCREDITAT° B1V-B2V-BC-BR-BE+spe.

SpE => Maneuver or Verification or Tests or Measurements

Target public

Electrician carrying out general interventions, lockouts and/or LV work, with the knowledge of electricity and the professional skills corresponding to the tasks to be carried out

Prerequisites

Electrical skills

Prerequisites (Refresh)

Hold an equivalent valid electrical accreditation

Objectives, at the end of the training the learner will be able:

- Operate safely on all or part of a structure in operation
- To know the regulations and the risks presented by LV installations and equipment
- To carry out operations on LV electrical structures or installations in a safe manner

Initial => 3 days (21h)
« 60% theory / 40% practice»
Refresh => 1,5 days (10,5h)
« 60% theory / 40% practice»

1 to 8 trainees per session

On site at our Salies-Du-Salat or Toulouse location / In your offices

Electrical certification in accordance with NF C18-510 + Certificate of Completion

ELECTRICAL ACCREDITATION – NF C18-510

D-HE17/18 ELEC ACCREDITAT° PV Solar Panels B0-H0-H0V-BP

Target public

Non-electrician working on photovoltaic panels

Prerequisites (Refresh)

Hold an equivalent valid electrical accreditation

Objectives, at the end of the training the learner will be able:

- To know the regulations on electrical safety and the related risks
- To safely execute elementary operations on photovoltaic arrays
- To carry out operations for the installation, connection or disconnection of solar panels

Initial => 1,5 days (10,5h) *« 60% theory / 40% practice»*
Refresh => 1 day (7h) *« 60% theory / 40% practice»*
1 to 8 trainees per session
On site at our Salies-Du-Salat or Toulouse location (France) / In your offices
Electrical certification in accordance with NF C18-510 + Certificate of Completion

D-HE09 ELEC ACCREDITAT° Additional module BR

Target public

Electrician carrying out general LV interventions, with the knowledge of electricity and the professional skills corresponding to the tasks to be carried out

Prerequisites

Have completed the common core of the Electrical Accreditation training at the Electrician B1V level minimum less than 3 months ago

Objectives, at the end of the training the learner will be able:

- To operate safely on all or part of a structure in operation
- To know the regulations and the risks presented by LV installations and equipment
- To apply the LV safety instructions related to lockouts, general interventions on electrical installations

1 day (7h) *« 50% theory / 50% practice»*
1 to 8 trainees per session
On site at our Salies-Du-Salat or Toulouse location (France) / In your offices
Electrical certification in accordance with NF C18-510 + Certificate of Completion

D-HE05 ELEC ACCREDITAT° Additional module BC

Target public

Electrician providing LV lockouts

Prerequisites

Have completed the common core of the Electrical Accreditation training at the Electrician B1V level minimum less than 3 months ago

Objectives, at the end of the training the learner will be able:

- To operate safely on all or part of a structure in operation
- To know the regulations and the risks presented by LV installations and equipment
- To carry out lockout operations on LV electrical structures or installations in a safe manner

- 0,5 day (3,5h) *« 40% theory / 60% practice»*
- 1 to 8 trainees per session
- On site at our Salies-Du-Salat or Toulouse) location (France) / In your offices
- Electrical certification in accordance with NF C18-510 + Certificate of Completion

D-HE10 ELEC ACCREDITAT° Additional module HTA H1V-H2V-HC

Target public

HVA electrician

Directing works near HVA equipment

Executing lockouts

Freezing de-energized HVA installations

Prerequisites

Have completed the common core of the Electrical Accreditation training at the Electrician B1V level minimum less than 3 months ago

Objectives, at the end of the training the learner will be able:

- To operate safely on all or part of a structure in operation
- To know the regulations and the risks presented by HVA installations and equipment
- To carry out lockout operations on HVA electrical structures or installations in a safe manner

- 1,5 day (10,5h) *« 60% theory / 40% practice»*
- 1 to 8 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices
- Electrical certification in accordance with NF C18-510 + Certificate of Completion

EXPLOSIVE AREAS

An explosive atmosphere (ATEX) is a mixture with air, under atmospheric conditions, of flammable substances in the form of gases, vapours or dusts in which, after ignition, the combustion spreads to the entire unburned mixture.

D-AX01/11 ATEX Level 0 Awareness

Target public

Any person likely to be exposed to explosive atmospheres in the course of his activity

Prerequisites (Refresh)

Hold an ATEX 0 valid certificate

(<3 years)

Objectives, at the end of the training the learner will be able:

- To know the role of the various stakeholders and the risks associated with the presence of explosive atmospheres
- To comply with ATEX instructions and regulatory documents

- Initial or Refresh => 0,5 day (3,5h) *« 90% theory / 10% practice»*
- 1 to 8 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote
- Certificate of Completion

D-AX06/14 ATEX Level 1

Target public

Technical worker in ATEX areas, on equipment subject to ATEX regulations on site under the responsibility of Level 2 authorized personnel

Prerequisites (Recycling)

Hold an ATEX 1 valid certificate (<3 years)

Objectives, at the end of the training the learner will be able:

- To know the triggering elements of an explosion, the ATEX directives for the various actors, the main ATEX protection methods, interventions in ATEX areas
- To implement and maintain the electrical and non-electrical equipment in place in accordance with the application of European Directive 2014/34/EU (94/9/EC)

- Initial ou Refresh => 1 day (7h) *« 70% theory / 30% practice»*
- 1 to 8 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote
- Certificate of Completion

D-AX07/15 ATEX Level 2

Target public

Site manager, study and/or electrical installation project manager working in ATEX zone, on ATEX equipment

Supervision of ATEX enforcement agents on site

Prerequisites (Recycling)

Hold an ATEX 2 valid certificate (<3 years)

Objectives, at the end of the training the learner will be able:

- To know the ATEX directives for the various actors, the main modes of ATEX protection, interventions in ATEX areas
- To implement and maintain the electrical and non-electrical equipment in place in accordance with the application of European Directive 2014/34/EU
- To guarantee compliance with the rules for the maintenance of electrical installations in explosive atmospheres

- Initial => 2 days (14h) *« 70% theory / 30% practice»*
  Refresh => 1,5 days (10,5h) *« 70% theory / 30% practice»*
- 1 to 8 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote
- Certificate of Completion

D-AX02/12 Ism_ATEX Level 1E (INERIS Standard)

Target public

Electrician working in ATEX areas, on electrical equipment subject to ATEX regulations under the responsibility of authorized personnel Ism_ATEX Level 2E

Prerequisites (Recycling)

Hold an Ism_ATEX 1E valid certificate (<4 years)

Objectives, at the end of the training the learner will be able:

- To know the triggers of an explosion, the ATEX directives for the various actors, the main ATEX protection methods, interventions in ATEX areas
- To implement and maintain the electrical equipment in place in accordance with the application of the new European Directive 2014/34/EU (94/9/EC)
- To know the classification of equipment and marking

- Initial or Refresh => 1,5 days (10,5h) *« 70% theory / 30% practice»*
- 1 to 6 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices
- Certificate of Completion + Certificate Ism_ATEX 1E issued by INERIS

D-AX03/12 Ism_ATEX Level 1M (INERIS Standard)

Target public

Technical worker in ATEX areas, on non-electrical equipment subject to ATEX regulations under the responsibility of authorized personnel Ism_ATEX Level 2M

Prerequisites (Recycling)

Hold an Ism_ATEX 1M valid certificate (<4 years)

Objectives, at the end of the training the learner will be able:

- To know the triggers of an explosion, the ATEX directives for the various actors, the main ATEX protection methods, interventions in ATEX areas
- To implement and maintain the non-electrical equipment in place in accordance with the application of European Directive 2014/34/EU (94/9/EC)
- To know the classification of equipment and marking

- Initial or Refresh => 1 days (7h) *« 70% theory / 30% practice»*
- 1 to 6 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote
- Certificate of Completion + Certificate Ism_ATEX 1M issued by INERIS

D-AX09/12 Ism_ATEX Level 1E_M (INERIS Standard)

Target public

Technical worker in ATEX areas, on electrical and non-electrical equipment subject to ATEX regulations under the responsibility of authorized personnel Ism_ATEX Level 2E_M

Prerequisites (Refresh)

Hold an Ism_ATEX 1E_M valid certificate (<4 years)

Objectives, at the end of the training the learner will be able:

- To know the triggering elements of an explosion, the ATEX directives for the various actors, the main ATEX protection methods, interventions in ATEX areas
- To implement and maintain the electrical and non-electrical equipment in place in accordance with the application of European Directive 2014/34/EU (94/9/EC)
- To know the classification of equipment and marking

- Initial or Refresh => 2 days (14h) *« 70% theory / 30% practice»*
- 1 to 6 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices
- Certificate of Completion + Certificate Ism_ATEX 1E_M issued by INERIS

D-AX04/13 Ism_ATEX Level 2E (INERIS Standard)

Target public

Site manager, study and/or electrical installation project manager working in an ATEX zone on electrical equipment subject to ATEX regulations

Prerequisites (Refresh)

Hold an Ism_ATEX 2E valid certificate (<4 years)

Objectives, at the end of the training the learner will be able:

- To welcome and supervise the Execution Managers (according to ATEX risks and issues)
- To guarantee compliance with the rules of intervention and technical implementation with regard to the design and/or construction and/or maintenance of the installation for which it has been designated responsible
- To guarantee the definition of the tools and equipment used during the design and/or construction and/or maintenance of the installation
- To ensure the traceability of the interventions carried out

- Initial => 3 days (21h) *« 70% theory / 30% practice»*
  Refresh => 1,5 days (10,5h) *« 80% theory / 20% practice»*
- 1 to 6 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote (Refresh only)
- Certificate of Completion + Certificate Ism_ATEX 1M issued by INERIS

D-AX05/13 Ism_ATEX Level 2M (INERIS Standard)

Target public

Site manager, study and/or project manager for an electrical installation that must be carried out in an ATEX zone on non-electrical equipment subject to ATEX regulations

Prerequisites (Refresh)

Hold an Ism_ATEX 2M valid certificate (<4 years)

Objectives, at the end of the training the learner will be able:

- To welcome and supervise the Execution Managers (according to ATEX risks and issues)
- To guarantee compliance with the rules of intervention and technical implementation with regard to the design and/or construction and/or maintenance of the installation for which it has been designated responsible
- To guarantee the definition of the tools and equipment used during the design and/or construction and/or maintenance of the installation
- To ensure the traceability of the interventions

Initial => 3 days (21h) *« 70% theory / 30% practice»*
Refresh => 1 days (7h) *« 80% theory / 20% practice»*

1 to 6 trainees per session

On site at our Salies-Du-Salat or Toulouse location (France) / In your offices / Remote (Refresh only)

Certificate of Completion + Certificate Ism_ATEX 2M issued by INERIS

D-AX08/16 Ism_ATEX Level 2E_M (INERIS Standard)

Target public

Site manager, study and/or project manager for electrical installations that must be carried out in the ATEX zone on electrical and non-electrical equipment subject to ATEX regulations

Prerequisites (Refresh)

Hold an Ism_ATEX 2E_M valid certificate (<4 years)

Objectives, at the end of the training the learner will be able:

- Same as D-AX04/13 Ism_ATEX Level 2E (INERIS) and D-AX05/13 Ism_ATEX Level 2M (INERIS)

Initial => 4 days (28h) *« 70% theory / 30% practice»*
Refresh => 2 days (14h) *« 80% theory / 20% practice»*

1 to 6 trainees per session

On site at our Salies-Du-Salat or Toulouse location (France) / In your offices / Remote (Refresh only)

Certificate of Completion +
Certificate Ism_ATEX 2E_M issued by INERIS

D-FE01 SEPAM Protection Relay OPERATOR Level

Target public

The learner has a general knowledge of high-voltage or high-power LV equipment (electrical production principles , switchgear technology, HV/LV transformers, HV motors, earth-based network diagrams)

He intervenes or assists within operation of HVA equipment or in the search for electrical faults

Prerequisites

Technical skills in electricity

Objectives, at the end of the training the learner will be able:

- To interpret measurement and diagnostic data of SEPAM protection relays
- To use the SEPAM keyboard
- To understand and interpret the information provided by the display
- To identify the accessories that make up the relay
- To know about the different sensors

2 days (14h) *« 60% theory / 40% practice»*

1 to 4 trainees per session

On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote

Certificate of Completion

D-FE02 SEPAM Protection Relay SUPERVISOR Level

Target public

The learner has a general knowledge of high-voltage or high-power LV equipment (electrical production principles, switchgear technology, HV/LV transformers, HV motors, earth-based network diagrams)

He intervenes or assists in the operation of HVA equipment, or in the search for electrical faults

Prerequisites

Technical skills in electricity

Objectives, at the end of the training the learner will be able:

- To interpret measurement and diagnostic data of SEPAM protection relays
- To se the programming software SFT2841
- To use the trigger context survey software WAveWin
- To modify basic settings and download a program
- To know about osciloperturbography

3 days (21h) *« 55% theory / 45% practice»*

1 to 4 trainees per session

On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote

Certificate of Completion

D-FE03 Electric power generation

Target public

Electrical staff in a maintenance department or equivalent

Prerequisites

Technical skills in electricity, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To know notions about usual electrical quantities
- To master the different types of electrical generation
- To know the concepts of the transmission of electrical energy, the notions of the organization of a network and load shedding
- To know the different neutral regimes and voltage domains
- To know about the selectivity of the protections

2 days (14h) *« 100% theory»*
1 to 6 trainees per session
On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote
Certificate of Completion

D-FE04 Variable speed drive & asynchronous motor

Target public

Electrical technician in a design office, maintenance department or equivalent

Prerequisites

Technical skills in electricity and basic knowledge of engine starting

Objectives, at the end of the training the learner will be able:

- To know the concepts of electrical disturbances, the principles and definitions of variable speed drives for asynchronous motors
- To master voltage speed control
- To understand control electronics and regulation
- To know the constitution and operating principle of an asynchronous motor, the different types of motor
- To master generalities about engine protection

2 days (14h) *« 70% theory / 30% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat or Toulouse location (France) / In your offices
Certificate of Completion

D-FE05 Transformer and DGPT2

Target public

Electrical technician in a design office, maintenance department or equivalent

Prerequisites

Technical skills in electricity, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To master transformers constitution and connection
- To know the principles of the transformer
- To protect transformers
- To connect HV/LV transformers to the LV side

1 day (7h) *« 55% theory / 45% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FE06 Rectifier

Target public

Electrical technician in a design office, maintenance department or equivalent

Prerequisites

Technical skills in electricity, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To know about rectifier composition and its role
- To know about electrical disturbances concepts
- To know about rectifier principle and definition
- To know about load cycles concepts

1 day (7h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat or Toulouse location (France)
Certificate of Completion

D-FE07 Inverter

Target public

Electrical technician in a design office, maintenance department or equivalent

Prerequisites

Technical skills in electricity, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To know notions about electrical disturbances, generalities and principle of an inverter, mutator, output filter
- To know about batteries charging and discharging
- To handle an UPS in By-Pass mode
- To install UPS

1 day (7h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat or Toulouse location (France)
Certificate of Completion

D-FE08 Electrical protection

Target public

Electrical technician in a design office, maintenance department or equivalent

Prerequisites

Technical skills in electricity, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To know about electrical quantities and functionalities of each type of protection
- To know the different neutral regimes or SLTs (earthing schemes)
- To find out about the selectivity of protection
- To know how to read a fault in a protective relay

1 day (7h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat or Toulouse location (France)
Certificate of Completion

D-FI01 PID reading (Piping Instrumentation Diagram)

Target public

Instrumentalist technician holding a position in a design office, in a maintenance department or equivalent

Prerequisites

General technical skills in instrumentation, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To define the piping of a process
- To identify process equipment and instruments
- To recognize cartridges and flow meters online on a PID

- 1,5 days (10,5h) *« 100% theory»*
- 1 to 6 trainees per session
- On site at our Salies-Du-Salat or Toulouse location (France) / In your offices/ Remote
- Certificate of Completion

D-FI02 Programming console

Target public

Instrument technician working in a design office, maintenance department or equivalent

Prerequisites

General technical skills in instrumentation, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To know the HART protocol
- To be aware of communication programs
- To know about the different manufacturers

- 0,5 day (3,5h) *« 80% theory / 20% practice»*
- 1 to 6 trainees per session
- On site at our Salies-Du-Salat location (France)
- Certificate of Completion

D-FI03 Pressures and Temperatures Level 1

Target public

Instrumentalist technician holding a position in a design office, in a maintenance department or equivalent

Prerequisites

General technical skills in instrumentation, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To know about pressures diagram and the different pressures
- To use the different pressure sensors
- To know about difficulties of temperature measurements as well as the dangers of intervening on temperatures
- To know about probes and thermocouples
- To use conversion and temperature diagram

1 day (7h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FI04 Pressures and Temperatures Level 2

Target public

Instrumentalist technician holding a position in a design office, in a maintenance department or equivalent

Prerequisites

To have completed D-FI03 Pressure and Temperature Level 1 training

Objectives, at the end of the training the learner will be able:

- To know the composition of pressure sensors
- To choose a pressure transmitter
- To know what millivolts are for thermocouples
- To know the infrared temperature measurements
- To know the optical pyrometer with filament disappearance
- To know thermistor thermometry and fiber optic measurement

1 days (7h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FI05 Introduction to regulation

Target public

Instrumentalist technician holding a position in a design office, in a maintenance department or equivalent

Prerequisites

General technical skills in instrumentation, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To know the regulation definition
- To know about regulator operating modes
- To know about actions and their respective roles (proportional, integral and derivative)
- To know about regulations on SNCC and special regulations

1 day (7h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FI06 Levels

Target audience

Instrumentalist technician holding a position in a design office, in a maintenance department or equivalent

Prerequisites

General technical skills in instrumentation, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To know about different level measurements and scale calculations
- To know how to measure level by delta P
- To know the principle and the list of common faults
- To know the level measurements by radar and ultrasound
- To compare different technologies

2 days (14h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FI07 In-line flow meters

Target public

Instrumentalist technician holding a position in a design office, in a maintenance department or equivalent

Prerequisites

General technical skills in instrumentation, knowledge of common formulas

Objectives, at the end of the training the learner will be able:

- To differentiate mass and volume
- To know about flow meters with integrated orifice, Coriolis effect, thermal effect mass, compensated mass
- To know about vortex, ultrasonic, electromagnetic, turbine flow meters

2 days (14h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FI08 Valves and vibration

Target public

Instrumentalist technician holding a position in a design office, in a maintenance department or equivalent

Prerequisites

General technical skills in instrumentation

Objectives, at the end of the training the learner will be able:

- To know the role of a valve and its constitution
- To recognize the typology of valves, the different types of valves
- To size a valve

1,5 days (10,5h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FA01 SIEMENS TIA PORTAL Basic functions

Target public

Electrical or automation technician holding a position in a design office, in a maintenance department or equivalent

Prerequisites

General technical skills in automation or proven experience in programming equivalent products

Objectives, at the end of the training the learner will be able:

- To efficiently use the TIA Portal platform
- To configure a TIA architecture based on a PLC
- To structure a program with the blocks (OB, FB, FC, DB)
- To analyze and take into account the site environment
- To carry out a commissioning of TIA components
- To troubleshoot an automated system based on TIA portal

2 days (14h) *« 70% theory / 30% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat or Toulouse location (France) / In your offices
Certificate of Completion

D-FM01 Centrifugal Pumps

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To know centrifugal pumps characteristics
- To describe the components of a centrifugal pump
- To know the different assemblies (parallel, series)
- To describe NPSH and characteristic curves
- To know the phenomenon of cavitation and the operation of centrifugal pumps

2 days (14h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM02 Volumetric pumps

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To know about the characteristics of positive displacement and reciprocating pumps
- To describe the components of a positive displacement pump
- To operate a positive displacement pump
- To analyze the most common defects

2 days (14h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM03 Gas turbine

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To understand the transformation of energy in the gas turbine through knowledge of the theoretical and practical cycle
- To know the role of the gas turbine elements
- To describe the components of a turbo machine
- To understand the phenomenon of pumping

2 days (14h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM04 Volumetric compressors

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To describe reciprocating compressors
- To understand how a reciprocating positive displacement compressor works
- To describe the components of a positive displacement compressor
- To know the basics of monitoring in operation and preventive maintenance

2,5 days (17,5h) *« 75% theory / 25% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM05 Centrifugal compressors

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To know how a simple and multi-stage centrifugal compressor works
- To describe the constituent parts of a centrifugal compressor
- To know the methods of monitoring during operation and the associated maintenance range

2 days (14h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM06 Combustion Engines

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To know the cycle of internal combustion and diesel engines
- To know how four-stroke combustion engines work
- To describe the role of the components of reciprocating engines
- To know the methods of monitoring during operation and the associated maintenance range

2 days (14h) *« 80% theory / 20% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM07 Bearings & bushings

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To recognize the parts that make up the bearings and bushings
- To recognize the different types of rotation and their assignments
- To know the different cases of assembly
- To know the methods of checking play to compensate for plasticization and lifting

1 day (7h) *« 70% theory / 30% practice»*
1 to 6 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM08 Coupling and Lineage

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To recognize mating types
- To know how to line rotating machines
- To know the origin of lineage defects
- To check and rectify the lineage with a comparator
- To control and rectify the lineage with a laser

3 days (21h) *« 30% theory / 70% practice»*
1 to 3 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM09 Maintenance metrology

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To know how a caliper works and how to use it
- To know how a micrometer works and how to use it
- To know how a dial comparator works and how to use it
- To know how a bore tester works and how to use it

2 days (14h) *« 60% theory / 40% practice»*
1 to 4 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM10 Clamping

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To know the different tightening methods
- To know the concept of tightening torque
- To clamp to manual torque; with torque and angular increase
- To know the tightening with hydraulic elongation and by thermal elongation

1 day (7h) *« 60% theory / 40% practice»*
1 to 4 trainees per session
On site at our Salies-Du-Salat location (France)
Certificate of Completion

D-FM11 Jointing Level 1

Target public

Intervener carrying out operations to replace joints between flanges on a network of pipes

Prerequisites

General technical skills in mechanics

Objectives, at the end of the training the learner will be able:

- To identify the consequences of poor jointing
- To define the connection of the tubes
- To know the different types and replacement of a gasket
- To know the different tightening methods and the concept of tightening torque

- 1 day (7h) *« 70% theory / 30% practice»*
- 1 to 4 trainees per session
- On site at our Salies-Du-Salat location (France)
- Certificate of Completion + Issuance of GTIS Level 1 Jointing Card (if requested)

D-FM12 Mechanics basics

Target public

Mechanical technician in a design office, maintenance department or equivalent

Prerequisites

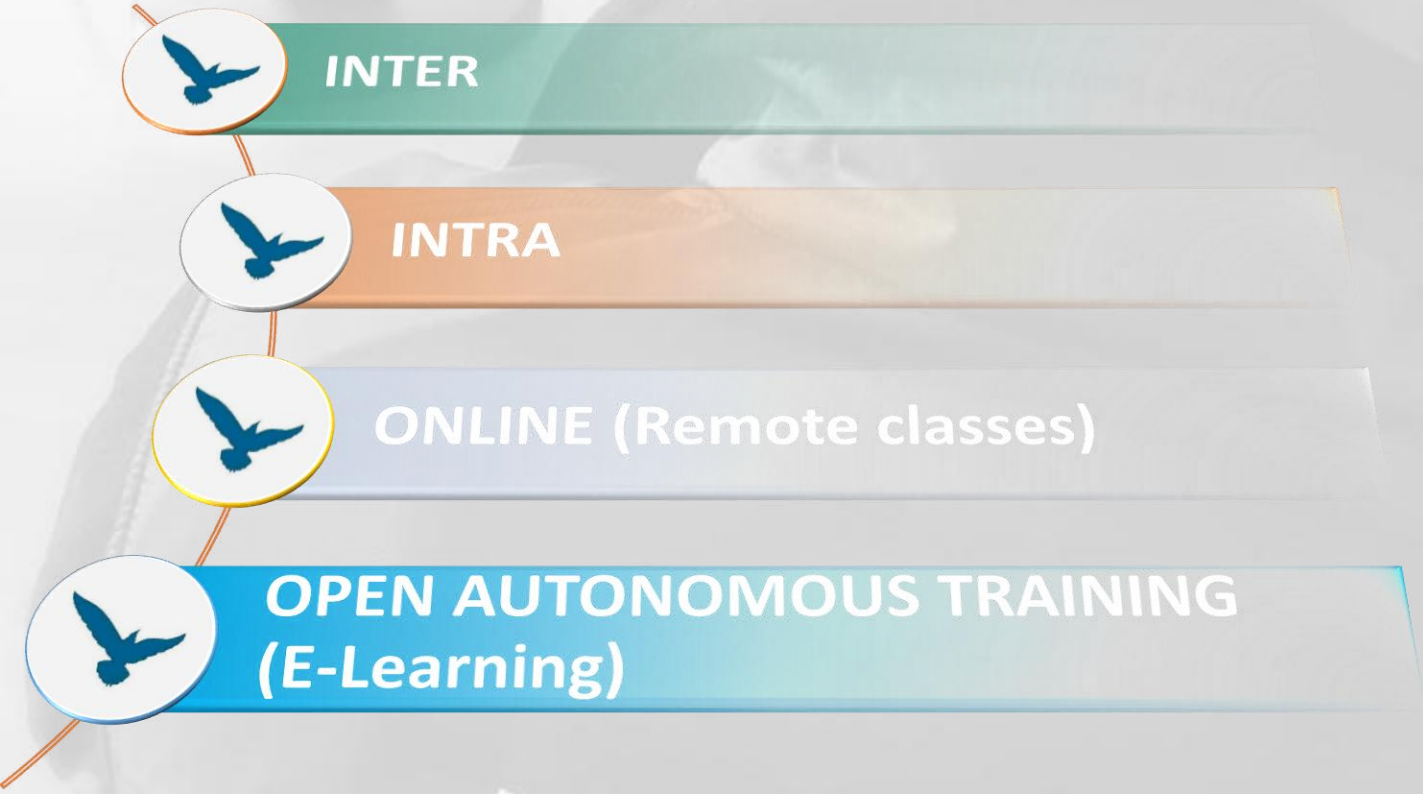
General technical skills in mechanics

- 4 days (28h) *« 80% theory / 20% practice»*
- 1 to 6 trainees per session
- On site at our Salies-Du-Salat location (France)
- Certificate of Completion

Objectives, at the end of the training the learner will be able:

- To read a technical drawing (reading and presentation, layout, nomenclature and dimensioning)
- To know the different lubrication methods
- To know the different methods of training movements
- To carry out a tightening and its implementation
- To know the construction and use of bearings and bearings
- To know the different process pumps
- To know about mechanical motors description and operation
- To identify the different types of compressors

Various training modalities



VARIOUS TRAINING MODALITIES

To adapt to the learner and to fit with organizational constraints

INTER

2 training centers accessible to people with reduced mobility

INTRA or « EXCLUSIVE »

On your site or in one of our centers with flexibility in scheduling training adapted to your environment

ONLINE (Remote classes)

Training based on a face-to-face session (program, duration, etc...), video conferencing and messaging system (Cisco, Webex, Teams...)

OPEN AUTONOMOUS TRAINING (E-LEARNING)

Digitalized teaching system that allows learning anywhere and anytime. The learner takes the initiative and autonomously chooses the objectives and methods of learning. Proven self-learning platform.

TEACHING RESOURCES
Low Voltage and High-Voltage HVA

BT BOX
- NSX Circuit Breaker
- LV Modular Switchgear

Transformers HV/LV
- Oil Type
- DGPT2

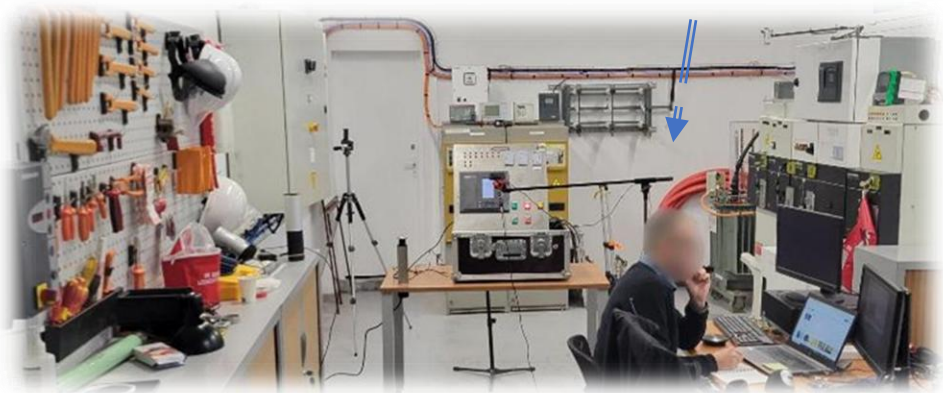
Protection relays
- SEPAM / EASERGY

HTA cells
- SCHNEIDER SM6
- M.G VERCORS M6

REMOTE CLASSES (ONLINE)

The learner is remote with a PC
- Interacts with the trainer
- Connection to equipment such as the SEPAM protection relay...
- Download training app
- Guides the trainer on the manual actions to be carried out in the electrical room

The trainer wears the connected glasses and interacts with the learner



DIETSMANN QUALIFICATION COLLEGE

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