

“

*Les formations,  
un outils essentiel  
pour vos projets  
et maintenances*

”



# TRAININGS

Training is essential for technical staff working on site in projects or maintenance, for CRE's customers, as well as for companies using competing solutions.

This is why CRE Technology has invested considerable resources in customer training, and regularly organises technical training courses run by product specialists and business experts. The CRE TECHNOLOGY Training Department is made up of a team of technicians and

engineers, recognised for their savoir-faire in:

- Power management and philosophy of CRE TECHNOLOGY products
- Technical interventions and troubleshooting
- Definition of solutions and project support
- Management and control of hybrid photovoltaic/battery power plants



## CRE TECHNOLOGY Training Center



### OUR TEACHING LAB

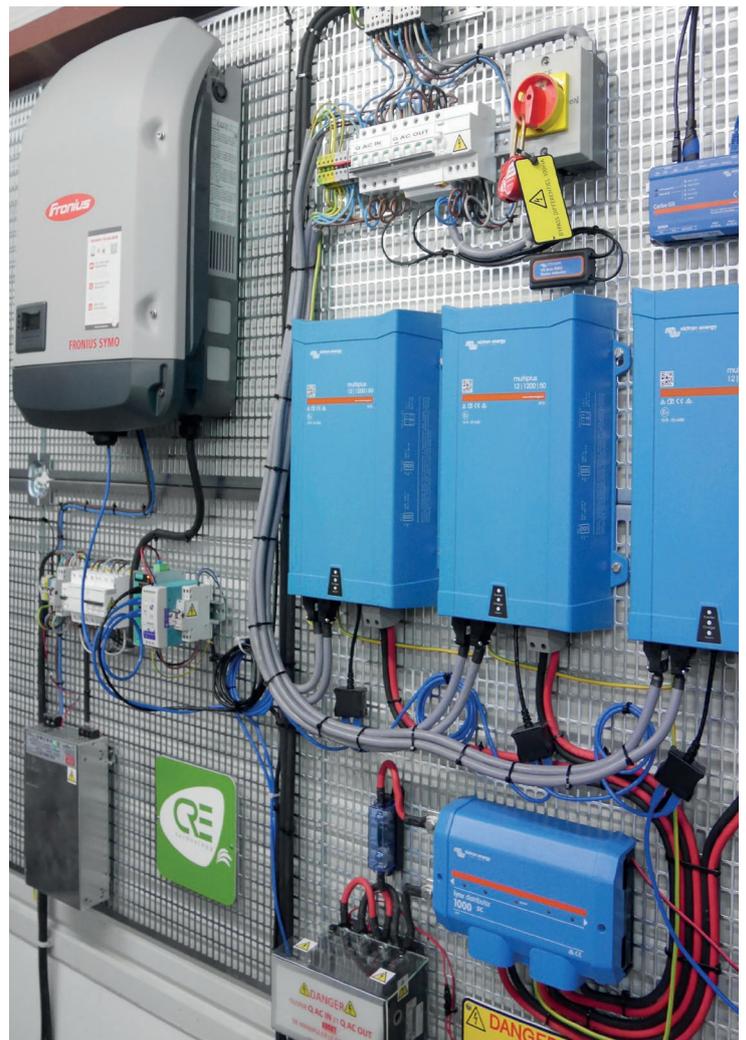
The practical part of our training courses will take place in our laboratory, and especially on our newly designed didactic test centre, which allows the most advanced practical exercises and the application of multiple application configurations, from the most basic to the most complex. The simulation plant is equipped with the following components:

- 4 generator sets equipped with isochronous and iso-voltage generators (with integrated AVR).
- 4 resistive, capacitive and inductive load banks.
- 3 utility network inputs with selection of the direction of rotation of the phases.
- 14 sections of busbars that can be arranged.
- 2 photovoltaic inputs for hybrid operation.
- 1 battery pack with inverter/charger for hybrid operation.
- 1 auxiliary feeder dedicated to new renewable energy concepts

This unique tool provides the necessary infrastructure for the comprehensive use of our new controllers, and for the implementation of the simplest applications to your most specific projects. The test centre provides an ideal learning environment and all the elements for full-scale testing. You will also have access to our product simulation benches and test bed to further your understanding of controllers.

### OUR TRAINING ROOM

Training participants are welcomed in our new training room which can accommodate up to 20 persons. The room is equipped with the latest technology for the broadcasting of presentations, the necessary comfort for the best reception and a showroom allowing a first-hand experience of the controllers.





## TRAINING ON DEMAND

Theoretical training on the basics of generator sets, hybrid power plants and controllers.

On-demand training is designed to meet your exact learning needs for the controllers you use. CRE TECHNOLOGY focuses on both theoretical classroom instruction and hands-on training with the products.

### CONTENT OF THE TRAINING

- How does a generator work?
- How does a speed regulator/automatic voltage regulator work?
- How does a photovoltaic/GE hybrid plant work?
- What are the different types of generator applications? (AMF, ATS, Paralleling, Hybrid & batteries...)
- Basic principles of paralleling and protection
- Diagnostics & troubleshooting



**Training for operators & Installers, new employees, new business**

### EDUCATIONAL PROGRAM

- Introduction- Presentation of the participants
- Company presentation
- Basics concepts
- Product & software presentations
- Troubleshooting / Understanding
- Tests & Exercises
- Conclusion and open questions



### Level of participants

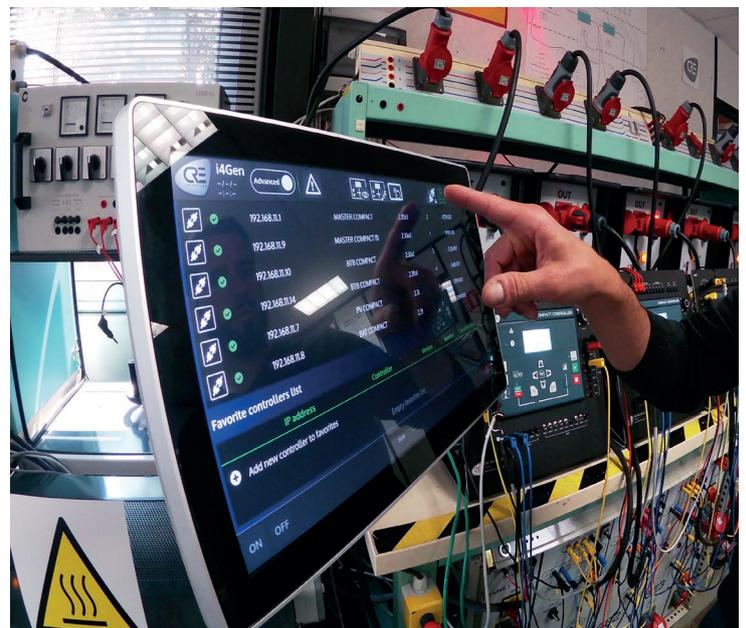
Beginners in control systems with some knowledge of electricity



**15 MAXIMUM**



**1-2 Days**





## CRE TRAININGS

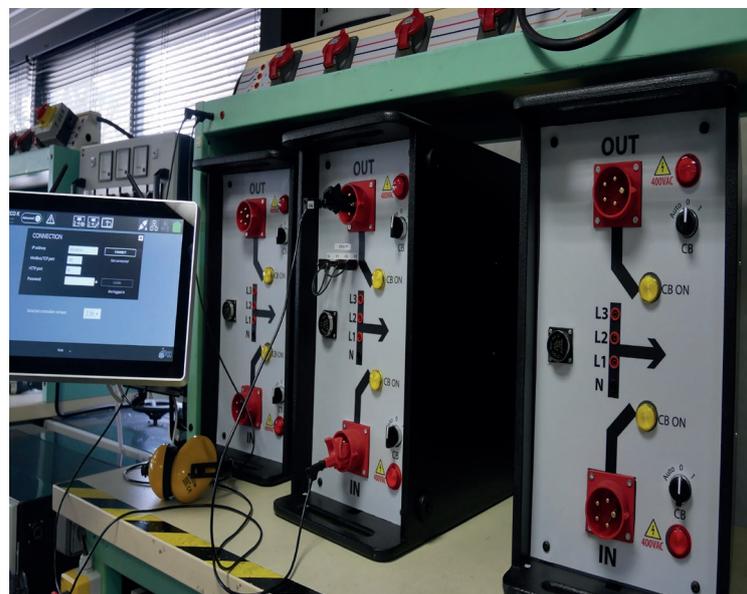
Advanced training on the commissioning of generators, hybrid power plants, and controller programming.

CRE Training courses are planned by CRE to provide the network of customers and prospects with the necessary skills to operate the brand's products, both in project definition and in on-site use or troubleshooting.

### CONTENT OF THE TRAINING

After completing the course, students will be able to:

- Configure and program CRE Technology controllers in standard applications
- Use PC software and keep versions up to date
- Troubleshoot and report faults/problems
- Design new projects and adapt the installation to CRE controllers
- After completing the course, students will be familiar with the following basics:
- Generator sets and hybrid installations (speed/voltage control)
- Generator applications
- Prerequisites for generator set controls on applications



**Training for installers, distributors, commissioners, designers, project managers and field workers**

#### EDUCATIONAL PROGRAM - DAY 1

1. INTRODUCTION
2. EDUCATIONAL PROGRAM / PART 1
  - Introduction- Presentation of the participants
  - Company presentation
  - Basic theoretical & practical concepts
3. EDUCATIONAL PROGRAM / PART 2
  - Products presentation & handling
  - Software presentation

#### EDUCATIONAL PROGRAM - DAY 2

4. EDUCATIONAL PROGRAM / PART 3
  - Configuration, Operation
  - Troubleshooting / Understanding
5. EDUCATIONAL PROGRAM / PART 4
  - Tests & Exercises in didactic centre
  - Conclusion and open questions



#### Level of participants

Basic knowledge of controllers and generator regulation.

60%



Theoretical

40%



Practical



**15 MAXIMUM**



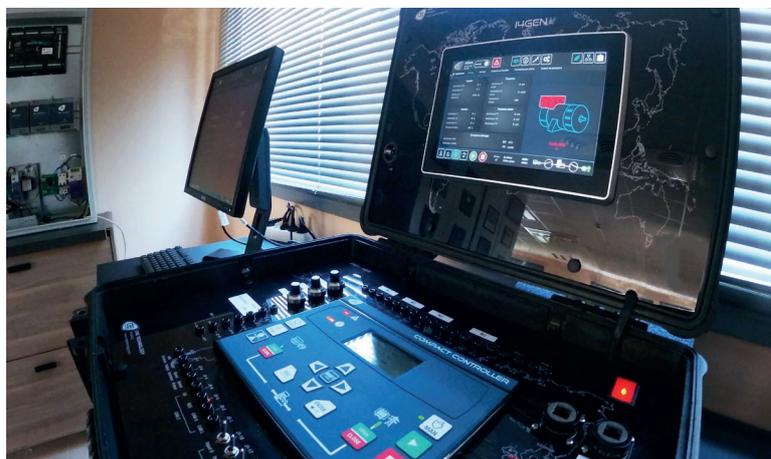
**2 Days**





## ONLINE TRAINING/WEBINARS

In e-learning courses, our training consultants use live theoretical presentations and practical exercises to convey the training content described in the learning objectives in a comprehensive and practical manner. These courses are designed to address a specific topic agreed with the participants or proposed in advance, after a general presentation of the controllers.



## CUSTOMISED TRAINING ON SITE OR AT OUR PREMISES

If necessary, CRE Technology will tailor the training to your suggestions, focusing on your needs and ensuring that the benefit of the course will be appropriate, regardless of the product or application. For example:



Training intended for all types of public.

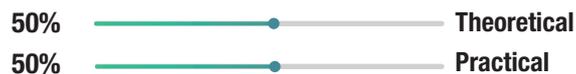
### CONTENT OF THE TRAINING

- Basic principles of controllers and installation of dedicated software
- Theme agreed with the customer or proposed
- Open questions



### Level of participants

Beginners in control systems with electrical knowledge, up to technical experts



NO LIMIT



3  
Hrs



Formation destinée à tout type de public.

### EXAMPLES OF CONTENTS

- Marine applications
- Controllers and design of Hybrid Photovoltaic and Power generators installations
- Training of the on-site operating team or end-users



### Level of participants

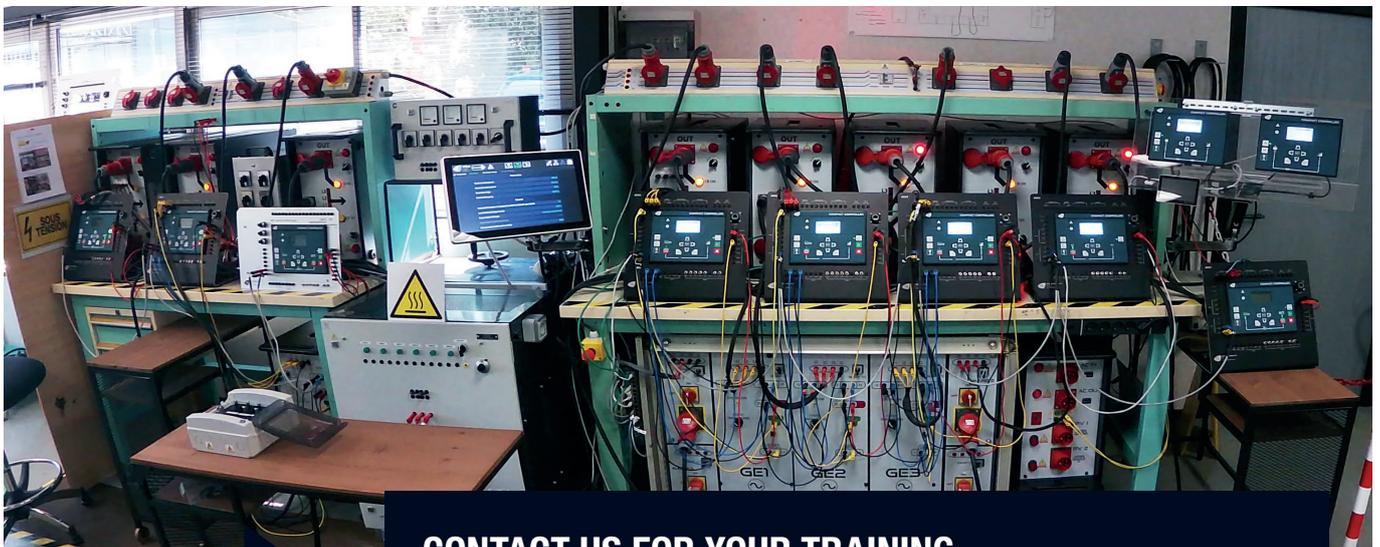
Adapted according to the group



10 MAXIMUM



ON  
REQUEST



## CONTACT US FOR YOUR TRAINING

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