

# DEIF TRAINING



## Automatic Gen-set Controller, AGC-3

– Learn to fully utilise  
the power of your generator controller

# AGC-3 training

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DEIF's AGC-3 supervises, controls, and protects your generator and engine and connections to Mains. You can tune all sequences, such as start/stop, synchronisation and load sharing, according to your requirements.

The AGC-3 supports plant modes such as automatic mains failure/ATS, island operation, fixed power/base load, peak shaving, load take over and Mains power export. Each of these plant modes can be changed on the fly using the free PC configuration tool that comes with the AGC. It makes even complex systems easy to set up.

To help you learn how to fully utilise these and other features of the AGC-3 controller for land applications, DEIF offers a variety of training sessions in our global training centres.

## **Three levels of training**

The land product training programme is designed to provide you the information and understanding of the AGC-3, whether at the basic operator level, the service level, or the designer level. You can choose to attend one or more courses in accordance with your requirements and needs. Attending all three levels will enable you to fully master the sophisticated features of our generator controllers.

## **Learning by doing**

We believe that small group training sessions provide the best possible interaction between instructors and attendees. This allows for flexibility and a great deal of hands-on training, where you can practice on our simulator equipment in a controlled and hazard-free environment.

## **Further information and booking**

For additional information or to schedule a DEIF training course, please visit [www.deif.com](http://www.deif.com) or contact one of our training centres listed on the back of this brochure.



## Level 1 – Operators

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| <b>Purpose</b>  | <ul style="list-style-type: none"><li>• This one day training course is for engine and gen-set operators who require basic knowledge in order to carry out the daily routine operations.</li></ul>  |
| <b>Contents</b> | <ul style="list-style-type: none"><li>• You will learn the basic menu functions of the gen-set controller and become acquainted with the menu structure.</li><li>• After reviewing basic controller concepts, you will be given the opportunity for practical, hands-on experience involving start/stop of both single and multiple generators utilising our simulator equipment.</li></ul> |

## Level 2 – Service technicians

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| <b>Purpose</b>  | <ul style="list-style-type: none"><li>• This training course is for service technicians and engineers who commission and troubleshoot gen-set operations.</li></ul>  |
| <b>Contents</b> | <ul style="list-style-type: none"><li>• You will learn how to use the different configuration inputs, modes of operation and how to change protection settings.</li><li>• You will learn how to use the controller and obtain in-depth knowledge of the functionalities it offers.</li><li>• This course will involve practical tasks related to the basics from the level 1 course. Next, you will be instructed how to access the menus from the front panel display screen to activate, commission and troubleshoot typical applications. Input from you on your typical applications further build these skills.</li><li>• You will learn how to connect the utility software and configure I/Os, parameter settings, and additional operator panels (AOP). This will also involve tuning of PIDs, synchronisation and using the utility software as a troubleshooting tool.</li></ul> |

## Level 3 – Designers

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| <b>Purpose</b>  | <ul style="list-style-type: none"><li>• This training course is for designers who require detailed knowledge of the DEIF controllers capabilities. The designer will learn which options of the AGC-3 to integrate into an application and how to design a switchboard for DEIF controllers.</li></ul> |
| <b>Contents</b> | <ul style="list-style-type: none"><li>• You will be provided with an overview of the DEIF product portfolio. Through application notes you will learn which product will be the best solution for typical applications.</li></ul>  |

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