

CLASS #103 – EASYGEN 3200 Power Management Control



Description

This class will give the student the opportunity to learn more about servicing and commissioning power management systems using the Easygen 3200 control. During this course the student will learn about the theory, installation, programming, operation and maintenance of the Easygen control system with the help of our two engine simulator. The hands-on part of the course will include programming, adjustments and troubleshooting techniques on the control system.

Class Objectives

Upon successful completion of this course the student will be able to:

- Demonstrate a strong understanding of power generation control theory pertaining to the Easygen control system.
- Calibrate, program Logistics and Analog Manager Logic statements and Application set-up.
- Configure mA and VDO sensors for protection and control purposes.
- Understand control modes such as frequency and voltage control or load and power factor control and when each mode is in effect.
- Demonstrate and understand methods and types of synchronization available within the control.
- Understand and implement the control in any application such as AMF, peak or base load, Isolated, Utility parallel and Co-Generation modes.
- Understand how the control interfaces with engine ECM units via J1939 communications or to SCADA systems via Modbus®.
- Understand how to configure extended I/O and analogue modules.

Course Duration

The course runs for three (3) days and is conducted at No. 8 Joo Koon Cescent, Singapore. Class size is limited to a maximum of eight (8) students.

Attainment

A “Certificate of Attainment” is awarded to students who successfully pass a written examination.

The instructor reserves the right to modify the class content to best suit the needs of the class