



LEARNING SYSTEMS
Australia Pty Ltd

POWER PLANT PROCESSES

Learning Systems Australia Pty Ltd takes pleasure in announcing we have now developed a four-day Power Plant Processes course aimed at introducing paraprofessionals to the principles and processes used within a thermal power station. The course can also be used as an introduction for new operations staff as applicable.

This course guides the participant from basic unit cycle principles, to function, design and configuration of the systems and sub-systems that make up a boiler / turbine unit.

Subjects covered include:

- How Electricity is Made
- Steam Fundamentals
- Power Station Operational Processes
- Generating Unit Systems & Sub-systems
- Condensate System
- Feedwater System
- Boiler Steam System
- Boiler & Feedwater Chemical Control Theory
- Boiler Air & Gas System
- Combustion Theory
- Boiler Fuel System
- Steam Turbine Steam Path
- Turbine Oil Systems
- Generator Systems
- Water Treatment Plant
- Electrical including NEM
- Unit Control Systems
- Unit Operation

The course is conducted at site, in a classroom situation interspersed with plant and inspections and control room (or simulator if available) inspections and exercises.

Class sizes are limited to 12 people. Participant notes (150 page book) are supplied. Site-specific P&ID's to be supplied by the client.

For further information and samples of course content, please contact Wayne Smith on (07) 5533 8811.

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