



Simulator-Based Combined Cycle Plant Operations

Course DESCRIPTION (4½ Days)

This instructor-led course is designed to provide hands-on operation of a combined cycle unit. Operating best practices are emphasized. The discussions and use of a high-fidelity simulator allow operators to practice and perfect routine, abnormal and infrequent operating scenarios in a safe environment without risk to equipment.

Prerequisites

This course is designed for operators, engineers and managers in the power industry who wish to improve their skills operating a combined cycle power plant under a variety of normal and abnormal operating conditions.

Who Should Attend?

This course is designed for control room operators who wish to improve their skills operating a combined cycle power plant under a variety of normal and abnormal operating conditions, as well as assistant operators who are preparing to assume responsibilities for unit operation.

Course CONTENT

- Unit Startup and Shutdown
- Operating Under Normal Plant Conditions
- Operating Under Abnormal Plant Conditions
- Operating During Plant Upsets
- Reacting Optimally to Multiple Alarms
- Troubleshooting Unit Performance

Course OBJECTIVES

At the end of this course, students should be able to operate with increased confidence while:

- Preparing the combined cycle unit for startup
- Starting up the unit following normal operating practices
- Changing from simple cycle to combined cycle configuration and back
- Properly operating the unit under routine conditions and load changes
- Preparing the combined cycle unit for shutdown
- Shutting down the unit following normal operating practices
- Interpreting alarms and their relationships quickly
- Effectively responding to abnormal operating conditions, including GT flame out, HRSG tube leaks, unit runbacks, etc.



REGISTRATION

Customized classes and site-specific training are available. Call GP Strategies™ Energy Services for pricing and course details. To obtain more information, visit us online at <http://fossilfuelcourses.gpstrategies.com/reg/> or call 800.803.6737.

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