



Combined Cycle Power Plant Performance

Course DESCRIPTION (2½ Days)

This 2½-day course is focused on improving the availability, reliability, capacity, and efficiency of the combined cycle power plant. It teaches attendees how to diagnose root causes of combined cycle power plant performance deficiencies using a case study-based approach. Diagnostic flowcharts are provided and used interactively for the solutions to the case studies.

Prerequisites

Basic understanding of power plant thermodynamics and operations.

Who Should Attend?

This course is designed for experienced combined cycle operators, supervisors, engineers, and management personnel.

Course CONTENT

- Introduction to Combined Cycle Plant Performance
- Power Plant Thermodynamics Review
- Brayton Cycle Performance
- Rankine Cycle Performance
- Rankine Cycle Equipment Performance
- Evaluating and Troubleshooting Performance

Course OBJECTIVES

At the end of this course, students should be able to:

- Identify and diagnose root causes of capacity and efficiency degradation
- Quantify the benefits of performance recovery

Course MATERIALS

The textbook *Combined Cycle Power Plant Performance*, with troubleshooting flowcharts, is provided.



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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