

Introduction to Combined Heat & Power (CHP)



This 1-day Introduction to Combined Heat and Power (CHP) course covers the fundamental technical, economic and regulatory knowledge related to cogeneration. These topics are presented in sufficient detail to allow participants to develop an understanding of the entire process, including load assessment; systems design principles and economic analysis.

Objectives

This course aims at providing the engineering specialist with the knowledge required to investigate CHP technologies for a specific application.

A comprehensive assessment of process or building loads (both electrical and heating and/or cooling) represents the starting point in the decision and selection process. Understanding the operation of various CHP system components (prime mover, heat recovery and thermally activated technologies) is also required.

Topics Covered

- CHP benefits
- Load assessment
- System design principles
- Power generation equipment
- Heat recovery technologies
- Economic analysis
- Regulatory and policy impact
- Case studies

Who should attend?

This short thematic course is ideal for the following clientele:

- Plant engineers and managers
- Utility professionals
- Energy managers
- Engineers and consultants
- Industrial facility managers
- Facility managers from the educational, healthcare, municipal sectors

Logistics

CEUs:	0.7
CSEP Points:	2



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