€TRAINING

Mastering District Cooling Systems

30 March - 3 April 2025
Istanbul (Turkey)

Mastering District Cooling Systems

REF: O2793 DATE: 30 March - 3 April 2025 Venue: Istanbul (Turkey) - Fee: 6375 Euro

Introduction:

This training program delves into the essential aspects of designing, implementing, and managing District Cooling Systems DCS. It provides a comprehensive understanding of DCS technology, business opportunities, and strategic planning while addressing key risks and operational challenges. It empowers participants to lead successful DCS projects by mastering design principles, risk management, and business models.

Program Objectives:

By the end of this program, participants will be able to:

- Understand the core principles of District Cooling System design and its components.
- Analyze business opportunities, strategic issues, and models for DCS projects.
- Conduct feasibility studies, data collection, and strategic planning for DCS implementation.
- Develop effective project management strategies for DCS deployment, phasing, and supplier prequalification.
- Manage operational, contractual, and regulatory aspects of DCS systems to ensure long-term success.

Target Audience:

- Engineers and technical professionals in HVAC and DCS design.
- Project managers overseeing DCS project implementations.
- Business developers and strategists in the energy and utilities sector.
- Facility operators responsible for managing large-scale cooling systems.
- Regulatory professionals and decision-makers involved in energy projects.

Program Outline:

Unit 1:

District Cooling System Design & Components:

- Overview of District Cooling System DCS design principles.
- Understanding the importance of thermal storage in DCS.

- Exploring Low Delta T syndrome and its impact on efficiency.
- Key DCP system components and their functionality.
- Airside interface and its role in DCS operations.
- Common issues and risks associated with DCS systems.

Unit 2:

Business Aspects of District Cooling Systems:

- Identifying business opportunities within the DCS sector.
- Exploring strategic issues in DCS deployment and growth.
- Understanding different business models for DCS projects.
- Feasibility study: design data collection and analysis.
- Marketing strategies for DCS projects and preparing proposals.
- Planning for project implementation: strategy and execution.

Unit 3:

Planning & Project Implementation:

- Strategic planning for DCS projects.
- Key steps in implementation planning for a DCS project.
- Techniques for designing and phasing deployment for effective DCS rollout.
- Project management techniques for successful DCS projects.
- Prequalification of DCS suppliers: selecting the right partners.

Unit 4:

Operational & Contractual Considerations:

- Understanding the roles of system providers, facility operators, and customers.
- Managing contractual arrangements for DCS projects.
- Regulatory aspects and compliance requirements in DCS.
- Operational management strategies for DCS systems.

- DCS management system overview and best practices.

Unit 5:

Risk Management & Strategic Planning:

- Identifying and mitigating risks in DCS projects.
- Developing a comprehensive DCS risk management strategy.
- Strategic planning for long-term sustainability of DCS operations.
- Evaluating and refining DCS system performance over time.