Global Horizon
TRAINING CENTER

Training Course:
District Cooling Systems

15 - 26 August 2027
Manama (Bahrain)

Training Course:
District Cooling Systems

Training Course code: SC1992 From: 15 - 26 August 2027 Venue: Manama (Bahrain) - Training Course Fees: 8100 Euro

Introduction:

District cooling systems provide efficient and cost-effective chilled water supply for comfort and process cooling to buildings within a specific area. These systems offer numerous benefits, including reduced maintenance costs, space requirements, and concerns related to plant capacity and load growth. This comprehensive two-week training program aims to equip designers and owners with the essential knowledge of district cooling systems to ensure energy efficiencies and reliable operation. Key topics covered include planning, central plant design, distribution system design, building interfaces, thermal energy storage, and operation and maintenance, from both the designer and owner perspectives.

Course Objectives:

During this program, participants will gain a deep understanding of district cooling systems, encompassing the technology, business aspects, project implementation, and contractual arrangements necessary for successful deployment.

By the end of the training, participants will be able to:

- Understand the technology behind district cooling systems, including the components, operation, and interfaces involved.
- Identify the business opportunities and strategic considerations associated with district cooling projects.
- Evaluate feasibility and design data, enabling effective decision-making for district cooling system implementation.
- Develop marketing strategies and proposals for district cooling projects.
- Formulate project implementation strategies, including planning and deployment phasing.
- Manage and oversee district cooling projects effectively, ensuring smooth operations.
- Navigate contractual arrangements and regulatory aspects related to district cooling systems.
- Participate in interactive workshops to enhance planning and management skills specific to district cooling.

Target Audience:

This training program is designed to benefit the following individuals and organizations:

- Designers: Professionals responsible for the specification, design, or installation of district cooling systems.

- Owners: Individuals and organizations who own and operate district cooling systems, and those considering transitioning to district cooling.
- Operating Staff: Personnel responsible for maintaining, managing, and operating district cooling systems.
- Developers: Individuals and organizations involved in the development of new projects, where efficient district cooling systems can be implemented.
- District Cooling System Providers: Companies and professionals engaged in offering district cooling services.
- Government Agencies: Authorities responsible for regulatory aspects, planning, and oversight of district cooling systems.
- Building Owners: Individuals and organizations who own buildings and seek to understand the benefits and considerations of implementing district cooling systems.

Outlines:

Day 1:

- Introduction to District Cooling Systems
    - Benefits of district cooling systems
    - Overview of chilled water supply for comfort and process cooling
- Course Objectives and Program Overview
    - Multidisciplinary understanding of District Cooling Systems
    - Technology, business aspects, project implementation, and contractual arrangements
- Target Audience and Participants
    - Designers, owners, and operators of district cooling systems
    - Developers, government agencies, and building owners

Day 2:

- Understanding the Technology of District Cooling Systems
    - Components and operation of district cooling systems
    - Chilled water production, distribution, and building interfaces
- Business Aspects of District Cooling Systems

- Business opportunities and strategic issues
- Business models for district cooling projects

Day 3:

- Feasibility Study and Design Data Collection
  - Data collection and analysis for district cooling system design
  - Feasibility assessment of district cooling projects
- Marketing DCS Projects and Proposals
  - Strategies for promoting and marketing district cooling projects

Day 4:

- Project Implementation Strategy
  - Planning and implementation considerations for district cooling projects
- Strategic Planning of DCS Projects
  - Long-term planning and development of district cooling systems
- Implementation Planning for DCS Projects
  - Practical steps and considerations for implementing district cooling projects

Day 5:

- Design and Deployment Phasing
  - Design considerations and deployment strategies for district cooling systems
- Project Management of DCS Projects
  - Effective project management techniques for district cooling projects
- Prequalification of DCS Suppliers
  - Evaluating and selecting suppliers for district cooling systems

Day 6:

- System Provider Roles and Responsibilities
  - Responsibilities of district cooling system providers

- Facility Operator Roles and Responsibilities
    - Roles and responsibilities of facility operators in district cooling systems
- Customer Roles and Responsibilities
    - Expectations and responsibilities of customers in district cooling systems

Day 7:

- Contractual Arrangements in District Cooling Systems
    - Overview of regulatory aspects and contractual agreements
- Regulatory Aspects of District Cooling Systems
    - Understanding the regulatory framework for district cooling systems

Day 8:

- DCS Planning Workshop
    - Hands-on workshop on planning and designing district cooling systems
- DCS Management System Workshop
    - Practical workshop on managing and operating district cooling systems

Day 9:

- Case Studies and Best Practices
    - Examining successful district cooling projects and best practices
- Group Discussions and Knowledge Sharing
    - Interactive sessions for participants to share experiences and insights

Day 10:

- Final Assessment and Q&A Session
    - Review of course content and assessment of participant understanding
- Conclusion and Certificates
    - Recap of the training program and certificate distribution

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Registration form on the Training Course: District Cooling Systems

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
Telephone / Mobile: .....
Personal E-Mail: .....
Official E-Mail: .....

Company Information

Company Name: .....
Address: .....
City / Country: .....

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
Telephone / Mobile: .....
Personal E-Mail: .....
Official E-Mail: .....

Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

Easy Ways To Register

Telephone: +201095004484 to provisionally reserve your place.	Fax your completed registration form to: +20233379764	E-mail to us : info@gh4t.com or training@gh4t.com	Complete & return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt.