DCPRO DEVELOPMENT

Data Center Cooling Fundamentals Part 2

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Learn from key case studies that provide real world applications of materials taught in Cooling Fundamentals Part 1 and 2. This course covers a range of design solutions for datacom liquid cooling systems - including utilizing waterside and airside economizers, CDU usage and rack level liquid cooling.

Learning Outcomes

- Differentiate between the liquid cooling configurations at both the rack and equipment levels
- Recognize the advantages of a liquid cooled system configured with a CDU
- Indicate the operational requirements for facilities providing coolant to datacom equipment
- Recognize the impact of proper piping design specific to each CDU configuration
- Identify the causes and effects that arise from water quality issues within facility piping
- Recognize the key metrics required to accurately design and manage a data center white space
- Identify how specific technologies are utilized when given varying design scenarios
- Recognize the key design differences when planning a data center utilizing CRAC cooling, in-row cooling, water cooling and economizer cooling
- Define the 3 types of economizers
- Identify the application regions of the ASHRAE psychometric chart for airside economizers

5 reasons to choose our courses:

1 Courses aligned to international standards

2 Expert instructors with over 10 years experience

3 Interactive learning experience

4 Blended learning solutions (classroom and online)

5 Specialist career progression tracks for advanced learning

Who should attend?

Any individual directly or indirectly involved in the management or operation of an existing data centre; or in the exploration, design or build phase of a new project, including:

- Data Centre Operator
- OEM Supplier
- Sales Engineer
- Project Manager
- Facilities Manager

Course Content

- Liquid cooling
- Piping design
- Key design differences
- 3 types of economizers

Price: £300 | €400 | $500

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