Airflow Management
🕐 8

Understand the challenges caused by increasing thermal densities and the need for thermal control in a data center environment. This course addresses industry best practices used to optimize energy efficiency. Additionally, an in-depth analysis is conducted on several data center designs using both CFD modeling software and cooling path management. Pressure, temperature and airflow are tested to identify where and how improvements can be implemented.

Learning Outcomes

- Recognize the benefits that proper control has on energy efficiency and facility reliability

- Identify best practice solutions for a given data center design

- Identify the 3 segments of cooling path management and the associated evaluation items for each

- Describe the design and implementation of 4 data center layouts: Hot Aisle/Cold Aisle, Cold Aisle Containment, Hot Aisle Containment, In-Row Cooling

- Explain dealing with incidents – what really happens and the key role of exercising and testing in ensuring organizational resilience

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

- Industry Best Practice Techniques
- CFD Fundamentals
- Data center layouts

Price: £250 | €300 | $400

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