



DCD

DCD - Data Centre Design Training

A 3-day training course focusing on the best practices for the design and layout of a data centre or computer room

Using the practical experience derived by Capitoline from auditing and designing computer rooms and data centres comes this 3-day course that focuses on the best practices in the specification, sizing and design of computer rooms and data centres.

You will learn how to layout your Data Centre in the most energy efficient way.

Every two weeks, somewhere in the world, a major data centre suffers a major breakdown and loss of availability with an average downtime of 16 hours.

Find out how better design can reduce failures.

You will learn how to translate your IT requirement into an environmental specification including room sizes, cooling capacity, UPS sizing, Generator sizing and Power requirements.

Reference will be made through to international standards including;

TIA 942	The UpTime Institute
EU Code of Conduct on data centres	BICSI 002
Payment Card Industry security	EN 50173
EU Disability Discrimination Directive	EN 50174
ASHRAE	EN 50310

Feedback from delegates;

"It is fantastic course, which helped me to correct lots of concepts about Data Centres"

"It's just perfect! Best Neutral design course ever, Thanks a lot."

"Enjoyed the course very much. Course layout is very systematic but needs to be coupled with the right Instructor (which was a huge value-add in this course, in my opinion)"

"Anyone who works in data centers must gain this knowledge."

"Instructor was exemplary. Material was systematic & easy to understand"

"Great course and instructor, very helpful & valuable knowledge"

"Both Instructor and Material exceeded expectations"

"Probably the only Data Centre Design course given by real practising Data Centre Designers"

CAPITOLINE

DATA CENTRES AND IT INFRASTRUCTURE

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Course contents and objectives

- Introduction, including understanding Tier definitions and associated costs. TIA 942, BICSI 002, ASHRAE and other Standards
- Designing for Energy efficiency (DCiE and PUE)
- Sizing and defining the right data centre space
- Specifying raised access floors
- Optimising room layouts including hot aisle/cold aisle formats
- Sizing and designing a resilient power supply system including UPS and generator selection. N, N+1 and 2N models
- IT grade earthing, grounding and bonding
- Sizing and designing air conditioning plus modern low energy options
- Fire detection and suppression techniques appropriate to data centres
- Building Management and Physical Security requirements
- Data cable selection, copper and fibre, and ideal interconnect models

Is this the right course for you?
Ask for our ISO 9000 hour-by-hour lesson plan for full details

Who should attend

- IT managers and directors
- Data centre managers and directors
- Facilities managers
- Engineers and consultants involved in data centre specifications

Prerequisites

There are no formal prerequisites for the course but attendees must be familiar with general IT and engineering practices

Qualification

- The course includes exercises and a final multiple choice test. Successful completion of the exercises and test leads to the Capitoline DCD certification
- Capitoline data centre design certification—DCD
- BICSI Continuing Education Credits (21)
- CIBSE Continuing Professional Development certificate

We could help
lower your
energy bills



DCD

Also take a look at our 2-day Data Centre Operational Management course (DCOM). Do both;

DCD + DCOM = Data Centre Expert

We will come to you!

Contact us if you would like this course delivered at your premises. (min numbers apply)

Alternatively scheduled courses are available in the UK, Netherlands, Belgium, Dubai, Mumbai, Bangalore and Egypt. Check our website for dates

www.capitoline.co.uk



AMS-IX
Official
auditor



DESIGN : AUDIT : TRAINING

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