

Part of the training path Data Center Specialist™



WITH CERTIFICATE

DEEP DIVE –

Energy supply & air conditioning in
accordance to EN 50600





Expert training with case studies and workshop

Energy supply and air conditioning as key success factors

Energy supply and air conditioning are the key success factors to a well-functioning data center. There are various possibilities for both trades that will be presented and realized in detail.

Once put into operation it's the prime object to prevent failure. There are monitoring, early warning and forecasting systems for this which detect possible faults and sources of error in advance and avoid outages.

Your benefits

- ✓ Data center operators deliver their experiences in operation business-critical data centers descriptively and through case studies.
- ✓ Get an overview on pros and cons of different design approaches of the two critical systems energy and climate from the operator view.
- ✓ Direkter Erfahrungsaustausch unter Einbeziehung von langjährigen Experten im Rechenzentrumsumfeld.

Target Group

This training is designed for **planners, consultants, technical and managerial personnel** in the data center field and all companies that are involved with tasks in the data center.

About the course

The first part of the seminar and practical training is all about secure energy supply. We start with an introduction to the available technologies. Grounding and EMC concepts and selectivity ensue. Material as a part on measuring concepts, prevention, prognosis und KPIs, which we illustrate through practical exercises. Finally a teamwork design exercise on vulnerability analyses follows.

The agenda of the second training part is similar. After an introduction to the technology such as cold water sytems, direct expansion systems and hybrid systems, condiguration parameters will be worked out in groups. Measuring concepts, data analysis and relevant KPIs to climate control are introduced through examples. A final teamwork design exercise on vulnerability regarding climate control ensues.

Afterwards you'll receive a tour through the Equinix data center, one of the most expansive data centers in Europe.

Contents of the course

- ▶ Detailed introduction to climate control and cooling concepts
- ▶ Detailed introduction to energy supply concepts
- ▶ Preventive error detection and troubleshooting
- ▶ Introduction of relevant energy and climate KPIs
- ▶ Netzformanalyse & Messkonzepte
- ▶ Selektivitätsbetrachtung
- ▶ Thermodynamik
- ▶ h,x Diagramm
- ▶ Druckverlustberechnung

Price

6450 €

(VAT excluded)

Dates & Location

Registration

info@dce-academy.com
www.dce-academy.com

A dynamic market calls for dynamic knowledge transfer. The convergence of IT, security and communication technology raises new questions every day – the DCE academy provides the answers.

With a completely new educational concept we do not just absorb the speed of change in our trainings and workshops - we're one step ahead.

The DCE academy is specialized for seminars and certifications in the field of data centers and building automation. Our claim is to impart latest knowledge in a practical way.

Therefore we deliver our trainings at Equinix training facilities including a data center site tour. Our experts partake in current projects and in various working groups as well as in standard development - such as the EN 50600 or TIA-942. New international standards for data centers are being created here so that we can offer you today access to the technology of tomorrow.



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