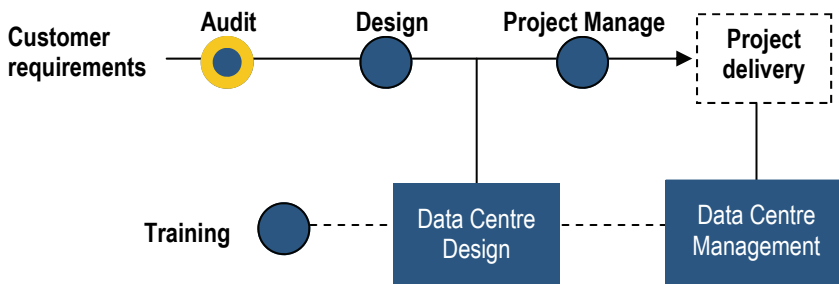


# CAPITOLINE

DATA CENTRES AND IT INFRASTRUCTURE



## Data Centre Audit — Energy monitoring and improvements

An in-depth audit of computer rooms and data centres for compliance with the EU Code of conduct on data centres

- Compliance by on-site audit
- Compliance by analysis of energy readings

Using the practical experience derived by Capitoline from auditing and designing computer rooms and data centres around the world we can offer an in-depth audit that covers all the major requirements for correct operation, best practice and improvement programmes.

Every two weeks, somewhere in the world, a data centre suffers a major breakdown and loss of availability with an average downtime of 17 hours. In nearly every case these breakdowns are avoidable with better design and procedures in place. Our audit experience covers large and small data centres both in the private and public sector in Europe, Africa and the Middle East.

By our status as CIBSE Low Carbon Consultants, chartered (professional) engineers from the Institute of Engineering Technology (IET) and the Chartered Institute of Building Services Engineers (CIBSE) we are able to certify installations to the requirements of European Union Code of Conduct on data centre energy management.



# CAPITOLINE

DATA CENTRES AND IT INFRASTRUCTURE

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This audit includes the following in a comprehensive written report and *site certification* that will

- Take electrical power and energy readings
- By using the metrics of the Green Grid calculate
  - PUE, pPUE, DCiE, CUE,  $\text{kgCO}_2\text{m}^{-2}$ ,  $\text{kw.hrs p.a. m}^{-2}$
- Compare the site to the EPA standard industry model and rating system
- Compare or advise on monitoring according to the EU CoC and ISO 50001 and EN 16001 standards
- Prepare a report detailing
  - Measured and calculated energy metrics
  - Comparisons with international benchmarks
  - Short term improvement plans
  - Medium term improvement plans
  - Long term improvement plans
- On-site audits will also include temperature and humidity readings and comparisons to EU and ASHRAE recommendations

The data centre audit programme from Capitoline includes

- TIA 942 compliance and certification
- UpTime Institute Tier compliance and certification\*
- Business Continuity audit to AMS-IX, ISO 27001 and PCI-DSS standards
- Health and safety at work compliance
- Energy audit to EU Code of Conduct requirements
- Any combination to suit your requirements

\*As TUI Accredited tier designers we can certify designs. On-site audits will be certified by Capitoline



Is this the right audit for you?  
Ask for our customer list and example reports

We are qualified as

Chartered Electrical engineers



Chartered Building Services Engineers



BICSI RCDD



CIBSE Low Carbon Consultants



AMS-IX official auditor



TUI Tier Designers (UpTime Institute)



## DESIGN : AUDIT : TRAINING

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