



Data Centre infrastructure Efficiency (DCiE) Assessments

What is a DCiE Assessment?



This service is a non-intrusive, 'snapshot' assessment of your data centre's energy efficiency giving Data Centre Operators an insight into energy saving opportunities and recommendations on how to lower the total cost of ownership. This is an important first step in the measurement of your data centre's Power Usage Effectiveness (PUE).

Why is it important?

This assessment will help you understand how to reduce energy consumption within your data centre and thereby save you money, as well as highlighting what can be done to reduce the environmental impact of your facility.

How does it work?

1. The DCiE Assessment

- One of Keysource's specialist Data Centre Consultants will conduct an initial visit to take the necessary measurements of your facility*
- This will be analysed to establish a 'snapshot' of the PUE (Power Usage Effectiveness) of your facility
- Keysource will then benchmark your facility against the Green Grid's Best Practice guidelines including those for power, cooling, room layout, server racks, and airflow, we will then highlight exactly where opportunities for improvement can be found

* If your facility does not have suitable metering installed to carry out this recording, Keysource can advise your in-house team on what is required or quote for a temporary or permanent installation and associated monitoring solution. Please call 0845 2043333 for further details.

2. Presentation of Keysource findings

Keysource will present and discuss the assessment findings with you, which will:

- Introduce you to the impact of a full range of design and operational factors that might influence the efficiency of your facility
- Discuss the financial implications of making these efficiency improvements and the potential ROI (Return On Investment)
- Confirm the DCiE result for your facility and highlight any site specific findings and recommendations for next steps

What next?



Ongoing measurement is the key. There is no question that the correct approach to sustained energy reduction is to continue to measure and monitor your facility's performance. With this in mind, after your initial DCiE Assessment, you may wish to consider signing up for a DCiE Audit (please see DCiE Audit data sheet). This service is a detailed assessment of the Mechanical and Electrical infrastructure, enabling a further and more detailed understanding of your facility and is vital when considering long-term investment.

Are you ready to save money?



So what do you need to do now to take the first step towards reducing your facility's energy consumption and save on money? CONTACT US to talk through the assessment process and find out how your facility can become more energy efficient and save money.

Talk to us on 0845 2043333 or visit: www.keysource.co.uk/energyefficiency

Additional services that may be useful for you

Keysource offer expertise from concept, to design and build, to ongoing management of small computer rooms through to multi Megawatt data centres. In addition to our DCiE services, you may want to consider seeking advice on our other services including:

- High level scheme design
- Feasibility studies and detailed design packs
- Power, cooling and complete data centre technical audits
- Tier classification assessment
- CFD airflow modelling
- Deployment of high-density IT hardware platforms
- Data centre relocation and new build projects
- Ongoing maintenance and management services

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