



*In general, data centre facilities themselves have not evolved as quickly as the technology they host. Processor speeds have skyrocketed; servers and storage modules have become increasingly compact; and valuable floor space is at an even greater premium, due to pressure from IT projects and computing demand.*

In the face of all this progress, data centre facilities remain relatively unchanged. As they struggle to cool and power increasingly dense equipment, they drive utility expenses continually higher. Cooling data centres and equipment can now cost as much as the actual computing. Logicalis' Data Centre Thermal Assessment Service is designed to help you evaluate and manage your data centre environment to save energy and use resources more efficiently.

*Logicalis' Data Centre Thermal Assessment Service delivers a detailed review and analysis of your data centre facility.*

Standard components of the assessment consider space utilisation, raised floor systems, power distribution systems, heating, ventilation, and air conditioning (HVAC) systems, airflow management, cable management and environmental contamination.

If deficiencies exist, Logicalis provides a qualitative explanation for each, including recommended resolutions based on industry standards and operational best practices for mission-critical environments. Findings are documented in a detailed report, according to your selected service level.

*Logicalis' Data Centre Assessment Service uses innovative and proprietary technologies to help you meet the challenge to become more energy efficient.*

- Determine the adequacy of your data centre environment.
- Utilise your data centre resources more efficiently and optimise capacity.
- Gain a better understanding of space, power, and cooling resource requirements and interaction.
- Recommend effective equipment racking orientation and placement for improved cooling.
- Leverage thermal modelling tools and techniques to help you develop effective and efficient cooling strategies for high-density server and storage equipment.
- Help you design and plan a new data centre, a relocation, or a refresh.
- Improve overall power and cooling efficiency.
- Reduce costs without sacrificing availability.



# DATA CENTRE THERMAL ASSESSMENT SERVICE

PROFESSIONAL SERVICES

*Logicalis' Data Centre Assessment Service offers the follow key service deliverables:*

Service Features	Details
Thermal Quick Assessment	A basic assessment of the data centre power and cooling environment. Includes a gap analysis and a written report designed to highlight best practices, recommend quick wins, and help you understand how to use your data centre power and cooling resources more efficiently.
Thermal Intermediate Assessment	Includes all the services provided in a Thermal Quick Assessment plus sophisticated 2D thermal modelling of below-floor thermal conditions.
Thermal Comprehensive Assessment	A customised service that includes all the services offered in the Thermal Intermediate Assessment plus 3D modeling of the data centre giving a thermal-dynamic view. Designed for data centres that plan to operate in excess of 100 watts/sq. ft. or which feature high-density computing areas.
Thermal Zone Mapping	Optimise cooling settings to save cost, increase computing capacity, and determine the placement of high-density or mission-critical servers to receive the best cooling coverage.
Site Planning Services	Verification of installation and service space, prerequisites for facility readiness, deficiency reporting when measured against industry best practices, and floor plan drawings.
Relocation Services	Providing a single management point for every move-related task – from planning and new site surveys to equipment reinstallation and testing.

SERVICE SPECIFICATION

## *Logicalis' Professional Services*

Logicalis employs one of the largest and most diversely skilled professional services teams of any UK Systems Integrator, delivering design, implementation, and integration professional services in Unified Data Centre, Integrated Unified Communications and Collaboration, and Business Information Software. Logicalis' experts are certified in all IBM and HP server and storage technologies, IBM Lotus Software, Cisco LAN, WAN and data centre, Cisco Unified Communications and Contact Centre, and all Microsoft infrastructure, personal productivity and collaboration solutions.

## *Assured IT services for a changing world*

### Logicalis UK

110 Buckingham Avenue | Slough Berkshire SL1 4PF  
Tel: +44 (0)1753 777 200 | Fax: +44 (0)1753 777 203

[www.uk.logicalis.com](http://www.uk.logicalis.com)

2010  
Preferred Partner  
GOLD

