

## CABLING, COOLING AND OPTIMISING DATA CENTRES

**Redstone Converged Solutions has undertaken some of the largest installations of data centre systems in Europe. As an independent UK solutions provider our technical support team offers its experience and impartial advice to data centre managers who are looking to expand, improve their capacity management or build new data centres.**

Choosing a system for an existing or new-build data centre is not only complex but can be a minefield. Redstone Converged Solutions offers independent advice that will assist you through the process of selection.

### Systems evaluation

We provide a technical systems evaluation which will detail the cost, technical compliance and bandwidth performance of all systems and components for consideration.

Every application has different requirements, whether copper, fibre or blown fibre. We help you with a design philosophy for a new system that creates a solution to achieve end goals and closely match the objectives of the detailed requirements.

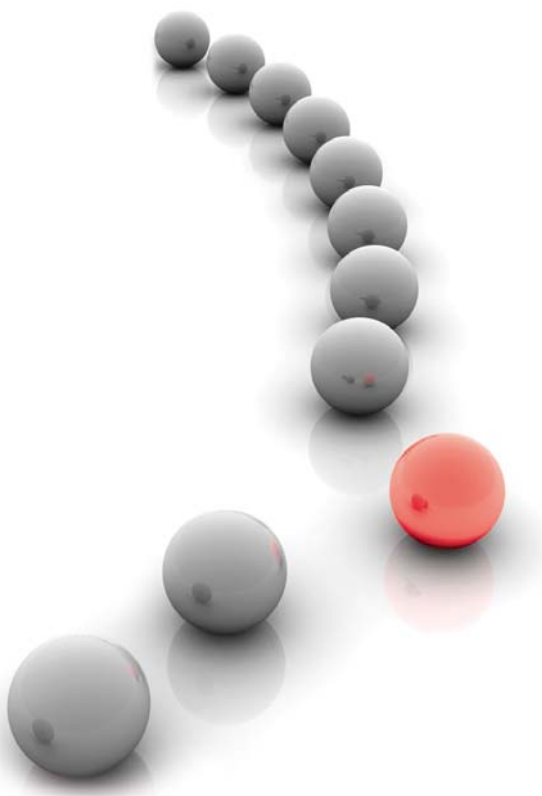
As is often overlooked in new designs, we advise you on the inclusion of a comprehensive grounding and bonding system to ensure that the networking equipment infrastructure complies with health and safety requirements and avoids any problems normally encountered on larger sites.

### IIM Requirements

Intelligent infrastructure management (IIM) is a way of maximising efficiencies in data centres through a precise and constantly updated inventory of how all the IT assets in the data centre are being utilised.

Having implemented over 2.2 million IIM ports in the UK, Redstone Converged Solutions is at the forefront of the fast-growing IIM sector. Redstone Converged Solutions is the only solutions provider with a track record of implementing all three main IIM systems (iTRACS, Systemax iPatch and RiT).

We are in a unique position to independently present all of these solutions in our technical briefing centre. Whatever your specific IIM requirements, we have the project and service delivery expertise to guide you through the process and provide you with a comprehensive service which includes:



- In-house pre-sales design expertise
- Business case consultation and ROI analysis
- In-house software development and application integration
- Supply and installation of all three market leading IIM solutions
- Full 24x7 support packages
- Training and on-site skills transfer

## Data Centre Design

Once a new system has been chosen, Redstone Converged Solutions has an experienced team that will make recommendations on the overall design, whether it should be centralised or distributed with primary or secondary zone cabling.

We provide you with a technical design document that maps out the data centre's systems with its key components, cabling processes and clearly outlines requirements for a particular project to avoid any diversifications from specification.

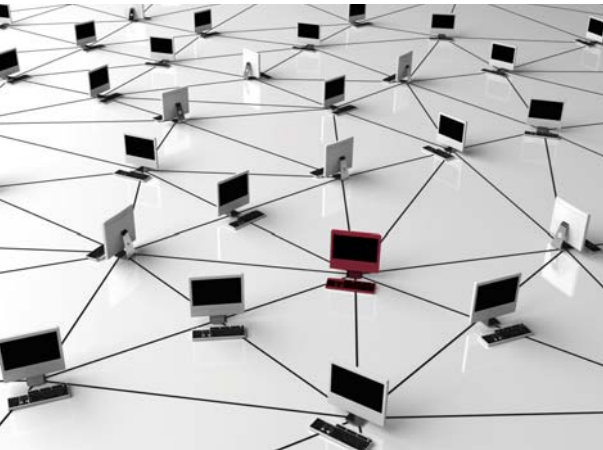
Testing is an integral part of the process and we create a mock-up of the design on-site or at our logistics centre.

All the design implications are considered, whether managing patchcord installation or ensuring patching frames and cabling systems are working together.

Once testing has been completed, we will produce schematic drawings demonstrating the connection of the backbone infrastructure and the installation plans for your data centre.

We provide an experienced consultative service that integrates the IT and M&E infrastructure to deliver energy efficient data centres that optimise power consumption in the design space. We partner with best of breed manufacturers and offer independent advice which is focused on delivering savings on your power bills and choosing the most suitable plant equipment with long term resilience.

We provide advice on the most appropriate solution for your needs whether air conditioning, UPS power supply, external chiller, generator, racks or fire suppression. We also offer the additional service of Computational Fluid Dynamics (CFD) to help data centre designers and operators optimise the facility layouts for high density equipment and reduce the risk of thermal shutdown. We will assess the resilience of the whole data centre facility for a complete solution that negates risks.



For further information please call us on  
**0800 085 4315**

Redstone Converged Solutions  
80 Great Eastern Street  
London EC2A 3RS