

Case Study:
Bridgwater College
selects Workspace
Technology to provide an
engineered Prefabricated
Modular Data Centre
as an integral feature
of their digital
services upgrade



Located in the heart of Somerset, Bridgwater College has gained a reputation for being a successful provider of education and training both regionally and nationally.

As one of the leading educational establishments in the South West, the college continuously endeavours to inspire people to achieve success by providing vast opportunities for learning and skill development within a welcoming and supportive environment.

The Challenge

As part of a campus wide digital services upgrade, Bridgwater College identified their legacy data centre as the primary location required for an essential refresh and enhancement. The college's progressive approach in the modernisation of their IT infrastructure had strict and defined objectives with solutions having to meet a defined criteria.

Following a strict tender process, Bridgwater College selected data centre specialist Workspace Technology to undertake the design and installation of their desired IT infrastructure solution.

The end result needed to be an energy efficient IT infrastructure platform that the college can operate effectively and that can grow over time to match any future increasing compute demands.

Project Criteria

- Must be energy efficient.
- Economical to deploy.
- Provide continuous and predictable power to all mission critical systems.
- Possess real-time monitoring capability.
- Must be scalable to allow for future growth.
- Increase data centre compute capacity.

The Solution

DataCube™ Prefabricated Data Centre



Workspace Technology deployed their EcoDesign™ Energy Efficiency Strategy to design the required Data Centre infrastructure upgrade. To fully understand the College's requirements, a number of meetings were scheduled as part of the design phase of the project. Subsequently, several design solutions detailing the benefits and costs for each were presented.

After careful consideration, Bridgwater College selected Workspace Technology's Prefabricated Modular Data Centre design as the best suited solution.

The Benefits

The college's I.T Department highlighted that the key requirements for their solution needed to be 'Economical and Quick to Deploy', 'Highly Energy Efficient' and have the ability to be 'Easily Scalable' allowing their I.T infrastructure to grow in-line with the future compute demands and scheduled annual budgets.

A Prefabricated Modular Data Centre provided the college with the perfect solution, providing significant reduction in both cost and time to deploy, compared to a traditional build. This diverse modular self-contained system is delivered to



Workspace
Technology Limited
Technical Prefabricated Building Solutions

site complete with cabinets, cooling and power distribution. Based on Workspace Technology's EcoDesign™ strategy, the MDC is designed to reduce carbon emissions through design and technology.

The Prefabricated Modular Data Centre system was delivered complete with:

- APC NetShelter SX High Performance Cabinets.
- APC Intelligent Metered Rack PDUs.



- Schneider Electric Switchgear.
- Mitsubishi Ceiling Mounted Cooling.
- NetBotz Environmental Monitoring.
- StruxureWare Data Centre Expert and Data Centre Infrastructure Management (DCIM) Software.

A strict design review and agreement regime was implemented by Workspace Technology to ensure that the delivery team were able to engineer absolute levels of accuracy, which paid back many times over by ensuring first time success resulting in the project being completed in time and within budget.

The implementation of risk analysis to every potential failure scenario enabled the team to eliminate the loss of customer service through engineering excellence and innovation.

Prefabricated Data Centre Benefits

- Reduced Capital Outlay.
- Rapid System Deployment.
- Scalable 'Pay-As-You-Grow' Infrastructure.
- Pre-engineered Technology.
- Environmentally Responsible & Energy Efficient Infrastructure.
- Agile Future Proofed Design to Meet the Increasing Compute Demands.

Typically, a Modular Data Centre will reduce overall capital expenditure compared to traditional large scale data centres by over 40%.



Interested in finding out more?

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