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CASE STUDY

Smart Data Centre Management Using a Data Centre Infrastructure Management) platform (DCIM)

Introduction

A major higher education organisation in the UK sought to improve the efficiency, reliability, and visibility of its on-site data centre. With a growing focus on sustainability and proactive infrastructure management, stakeholders explored ways to get more insight and control over environmental conditions, power use, and equipment performance—all without disrupting daily operations or requiring major capital investment.

Challenge

The primary challenge was to gain deeper insight and control over the data centre's environment and operations without causing downtime or making large capital outlays. The organisation aimed to support sustainability goals and proactive maintenance.

Solution: Smart Data Centre Management Using DCIM Software

The solution came in the form of a managed service contract centred on the SMARTset DCIM (Data Centre Infrastructure Management) platform. This advanced DCIM software was selected for its flexibility, real-time monitoring, and ability to connect seamlessly to a wide mix of legacy and modern data centre equipment.

System Features

SMARTset was implemented to provide full remote oversight and management, using its modular dashboards, live analytics, and powerful alerting features. The system's protocol-agnostic design allowed integration with a vast range of sensors, actuators, and control systems already in use. Its deployment model enabled on-premises, edge, or cloud-based rollout, making it adaptable and secure for the customer's needs.

Results

With SMARTset in place, site teams gained a clear, real-time view of environmental metrics, energy consumption, and critical alarms—helping drive rapid response, optimized efficiency, and reduced risk of equipment failure. Predictive maintenance and reporting features enabled better long-term planning and helped support high operational standards year-round.

Project Delivery

This collaborative, managed approach provided immediate improvements in visibility and control, while laying a foundation for future digital transformation in building management.

Conclusion

The data centre is now equipped for scalable growth, improved reliability, and measurable efficiency gains.