CMTG | BLACKBOX CONTROL

BLACKBOX CONTROL CASE STUDY

The Brief

BlackBox Control's IT environment had become significantly outdated, with ageing infrastructure, limited documentation, and no redundancy measures in place. The lack of standardised processes and proper system configuration posed operational risks and inefficiencies, while the absence of off-site backups and high availability left the business vulnerable to data loss and system outages. Access to the data centre was also restricted, hindering timely support and maintenance. The objective was clear: modernise the IT environment to deliver greater security, performance, and scalability to support the company's future growth.

CMTG Approach

CMTG recently partnered with BlackBox Control to strengthen and future-proof their IT environment, with a focus on boosting performance, security and resilience. Following a comprehensive audit of their head office and data centre environments, we delivered a strategic redesign and seamless migration to a modernised infrastructure.

Key actions included:

- Infrastructure and network mapping
- Detailed hardware inventory and capacity analysis
- Design of a secure, secure IT environment
- Smooth migration of virtual workloads using industry-standard tools

A great example of how the right approach can enhance system reliability and long-term performance. Through partnerships with Fortinet, IBM, and Lenovo, CMTG delivered a fully integrated, enterprise-grade infrastructure tailored to BlackBox Control's needs.

The Solution

CMTG deployed a robust, scalable IT environment incorporating:

- Fortinet next-gen firewall, data centre-grade core switch, full-flash storage array
- Two high-density servers for virtualisation and a dedicated backup server
- 10Gb Ethernet and low-latency 16Gb Fibre Channel connectivity

The Results

The transformation delivered a futureproof IT environment with:

- **Centralised Management:** Streamlined control via a single-pane-of-glass interface
- **Improved Security:** Multi-layered protection and immutability safeguards
- **High Availability:** Redundant systems to minimise downtime
- **Data Integrity:** End-to-end encryption and disaster recovery readiness
- **Scalability:** Resources allocated for both future growth and testing environments

Client testimonial

"CMTG was fundamental to the success of the BlackBox Control data centre migration project. Their focus and attention to detail played a key role in delivering a smooth and secure transition. It was a pleasure working with the team and I look forward to future collaborations."

- BlackBox Control representative