

TEST INSTRUMENT SOLUTIONS

Test Instrument Solutions is a specialist provider of electrical testing equipment, supplying a wide range of products to electricians and maintenance engineers. Established in 2005, the company has continued to expand its services to include equipment calibration and power quality testing for solar and EV charging systems.

The Challenge

Test Instrument Solutions relies on its IT infrastructure to provide staff with access to important company systems and shared data. When we took over the company's IT support, much of the existing infrastructure was based around legacy tech and traditional file sharing.

A significant amount of the equipment was over 15 years old, resulting in slow computers and the increased likelihood of hardware failure. The existing infrastructure had also largely been configured and maintained by a single employee, leaving limited documentation or technical knowledge elsewhere in the business.

We worked closely with Test Instrument Solutions to review their existing IT environment and develop a modern setup to reduce the company's reliance on ageing infrastructure, improve security, and give staff greater flexibility in how and where they can access company resources.

Test Instrument Solutions' existing IT had become increasingly difficult to support and maintain. Much of the infrastructure was over 15 years old and the continued reliance on legacy hardware increased the risk of system failures and unexpected downtime. Shared data was primarily accessed through a traditional file server and staff relied heavily on Remote Desktop to access company resources. This limited flexibility and meant that the business remained dependent on ageing on-site infrastructure.

There was also a significant operational risk due to the existing setup having largely been created and maintained by just one employee. With limited documentation and knowledge shared across the wider business, this created a single point of failure that could make future support, maintenance and development a challenge. Security and remote access also required changes, with greater control over how users accessed systems and data, alongside improved authentication and protection against compromised accounts and unauthorised sign-ins.

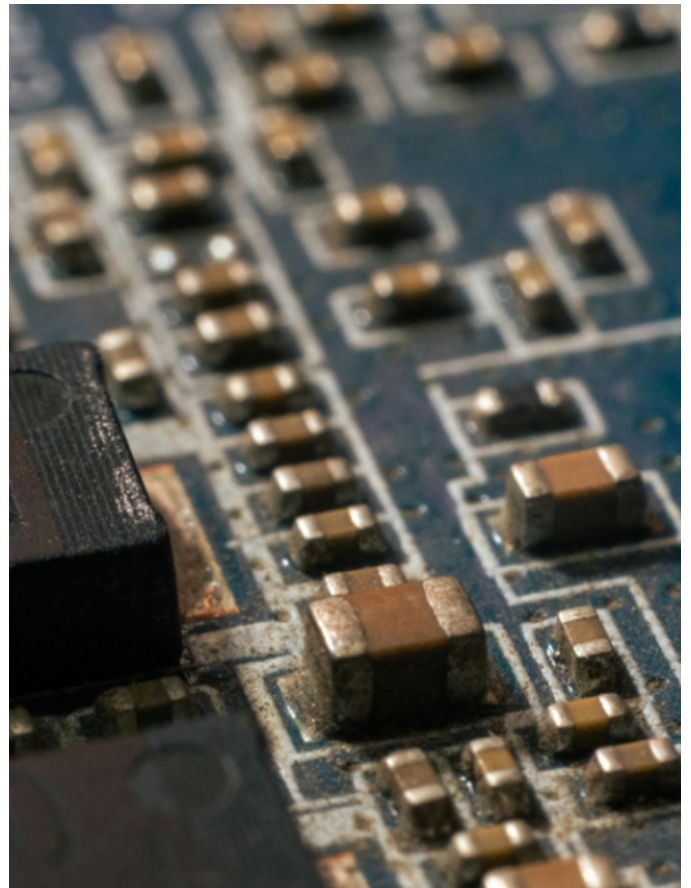
Finally, the existing internet needed to be improved to support a move towards cloud-based services. A faster and more reliable connection was required to ensure staff could take full advantage of Microsoft 365, SharePoint, OneDrive and other cloud services.

Solution

To reduce Test Instrument Solutions' reliance on its legacy file server, we implemented Microsoft SharePoint for the company's shared data. This provides staff with secure access to the information they need, whether they are working in the office, remotely or on the move. Microsoft 365 Business Premium was also introduced across the business, providing access to additional security and management capabilities, allowing us to implement Microsoft Conditional Access policies, giving the company greater control over how and where company accounts and resources can be accessed. We also added Secure VPN connectivity with Multi-Factor Authentication to further strengthen remote access security. By requiring users to verify their identity when accessing company systems, this provides an additional layer of protection against compromised passwords and unauthorised access.

As part of the infrastructure modernisation, compatible devices were upgraded to Windows 11. This has helped bring the company's workstations onto a modern operating system, improving security and ensuring devices are better prepared for future requirements. We also introduced Sage Remote Access, reducing the company's dependence on the ageing Remote Desktop environment.

To improve data protection, Microsoft OneDrive Known Folder Backup was configured across all Desktops, Documents and Pictures folders. This helps protect important business files stored on individual workstations by automatically synchronising them with OneDrive. An independent backup solution was also introduced through Acronis, providing full Microsoft 365 cloud backup. This provided them with an additional layer of protection for important Microsoft 365 data.



> Improved Security & Data Protection

Enhanced security and cloud backups provide greater protection for company accounts, systems and important business data.

> Faster & More Flexible Access to Data

SharePoint and full FTTTP connectivity give staff faster, secure access to company data from wherever they're working.

> Modernised Infrastructure

A modern, cloud-based IT environment has reduced reliance on ageing technology and provides a flexible foundation for future growth.

GET IN TOUCH TODAY!

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