



Rapidly expanding water company chooses Microsoft Azure & 365

Hydro-X

Hydro-X Water Treatment, a Rotherham-based specialist in water and air testing and Legionella risk assessments and control are rapidly expanding.

With a mobile team of technicians, the Dinnington firm delivers its core products and services to more than 10,000 locations across the UK. It specialises in inspecting and maintaining equipment that uses water such as industrial cooling towers and steam boilers and customers include Sainsbury's, The Disabilities Trust, The Mid-counties Co-operative and the Lotus F1 Team.



Strategic IT solutions and IT procurement for corporate and government.

Executive Summary

Following a recent move to larger premises and with sustained continual growth since its inception in 1984, the Hydro-X IT & Management team wanted to push their IT infrastructure ahead of the competition.

With a large mobile workforce of technicians, Hydro-X wanted secure mobile apps with independence from on premise hardware and software solutions.

In a total shift to the cloud, the Hydro-X IT team wanted to improve on security, agility and efficiency and chose Microsoft Azure and Microsoft 365 for their solution.

- Secure Reliable IT Infrastructure
- Scalable IT Systems to support future growth
- Improved Collaboration & Mobility
- Self-sufficient IT Infrastructure Model
- Low cost, efficient IT Support Model



“The flexibility and technical know-how displayed by Systems Assurance was refreshing.”

Matt Bell, IT Manager
Hydro-X Water Treatment Ltd



The Result

Hydro-X are now fully online, with only minimal IT hardware on premise. Deployment times have improved, technician mobile access is faster, and security & resilience has been improved using Microsoft 365 Business with Acronis Cloud.



The Challenges

With more than half their workforce continually on the road, Hydro-X needed a more agile IT infrastructure. Relying on mobile apps to deliver essential water quality reporting to more than 10,000 locations throughout the UK.

On premise systems just wouldn't deliver the speed and flexibility for which the company was expanding to. A new, more scalable platform was needed.

How we helped

Hydro-X engaged with Systems Assurance to provide consultancy services to run feasibility studies on migrating their entire on-premise server infrastructure to Microsoft's premier cloud environment Azure. Systems Assurance were able to provide Hydro-X with design, integration and adoption documents that would assist them with this huge move. The result being no hardware on premise other than network and routing equipment.

Process we used

A key early stage in the project was to establish if all their current applications would be available in a cloud model. Several weeks of testing proved important and identified key parts of the systems that would need additional work to make this model a reality. They wanted to completely remove their Active Directory from on premise as well as exchange, sage and various other services.

Microsoft Remote Desktop (RDP) was suggested and later phased in for some elements but essentially using Microsoft Azure to host their virtual servers and Microsoft 365 Business for the line of business, Hydro-X are now fully online.

Azure connectivity was set up for the remote sites and Mobile users as well as Microsoft Exchange online. They will be exploring Microsoft PowerApps soon to improve their mobile technician's data analysis.