Overview

The National Physical Laboratory (NPL) is the UK's National Metrology Institute. With the responsibility to develop and maintain national primary measurement standards, NPL is a leader in science and engineering. Through its ground-breaking projects that establish and extend measurement capability, NPL makes an extraordinary contribution to the UK's prosperity and way of life. The acceleration of new antibiotics and the development of increasingly effective cancer treatments, unhackable quantum communications and superfast 5G have all been enhanced by NPL's work.

As well as an excellent working relationship with NPL, Quadratek is an Allied Telesis Gold Partner, providing innovative and enduring solutions
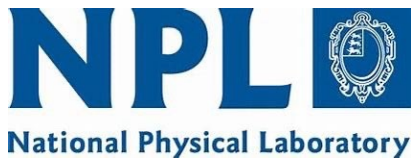
Our challenge

NPL's campus in Teddington, south west London comprises of 28 buildings. Running across them are 3 fibreoptic networks used for building management systems, CCTV, and life support systems.

These networks, which extend to several kilometres, are hosted on Allied Telesis equipment. NPL needed to ensure the networks were securely managed and benefited from the very latest firmware support. So, as a trusted provider of infrastructure solutions and support for NPL's estate, Quadratek was asked to modernise, maintain and support the Allied Telesis switching network and implement a long-term supportable solution.

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What we did

As well as having an excellent working relationship with NPL, Quadratek is also an Allied Telesis Gold Partner, providing innovative and enduring solutions to support its networks. This meant we were uniquely placed to understand NPL's organisational needs as well as the technical specifics of the solution.

We began by carrying out a full audit of the Allied Telesis networks at NPL. This allowed us to identify the status of all active switches and make recommendations to NPL's IT management team. From here, we implemented the Allied Telesis Management Framework and the Vista Manager tool.

The results

The fibreoptic networks for NPL's building management systems, CCTV, and life support systems are now fully covered by Allied Telesis' latest firmware support. And with the Allied Telesis Management Framework and the Vista Manager tools in place, we can manage the networks securely and proactively.

With project successfully concluded, NPL has commissioned Quadratek to provide a managed service for its Allied Telesis switched network for the next five years