

Case Study:

IT Services Integration to New Build

Customer:

National Physical Laboratory (NPL)

Overview

NPL is the UK's National Measurement Institute, developing and maintaining the national primary measurement standards. They undertake excellent science and engineering to deliver extraordinary impact for the UK and provide the measurement capability that underpins the UK's prosperity and quality of life. From accelerating new antibiotics and more effective cancer treatments, to developing unhackable quantum communications and superfast 5G



Our challenge

The National Physical Laboratory (NPL) constructed a new building on site which will be one of the world's leading centres in the development of quantum metrology, a new highly sensitive way of measuring distances.

A new atrium has been built which will connect to the existing Darwin Building which has also been fully refurbished.

As a valued and trusted partner Quadratek was approached to connect IT services with the existing campus. NPL has stringent requirements and the solution must not impact on the campuses existing essential scientific work.

What we did

Quadratek brought the existing building management, access control CCTV and emergency networks into the new centre. This required cutting the existing fibre rings, routing them to the communication rooms, terminating and patching them into the new and existing building communications infrastructure.

Allied Telesis switching equipment was installed and configured in both sites to provide these critical network services.

Being an Allied Telesis Gold partner allowed us to seamlessly integrate into NPL's existing architecture



The results

Quadratek successfully managed and routed the existing fibre rings into the new centre. We installed and commissioned Allied Telesis network switching equipment and patched them into the fibre rings. Being an Allied Telesis Gold partner allowed us to seamlessly integrate into NPL's existing architecture enabling minimal disruption to the existing NPL IT network.

Quadratek has and will continue to work closely with NPL providing on-site support to ensure all systems are brought into the live network.

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