

Case Study:

## Wireless Bridge

Customer:

## National Physics Laboratory

### 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

NPL are in the process of modernising their campus with one of their listed buildings currently being refurbished into lab and office space. A medium term solution was required to provide data services to this building, which is required prior to a permanent fibre solution being installed. The solution will require a high data throughput connection which is resilient and can be set up very quickly without the exterior of the listed building being altered.

### What we did

To overcome any long-term impact to the listed building Quadratek designed and implemented a Wi-fi Wireless Bridge Solution based upon a Cambium Wireless Bridge which provides 500Mbps TDD throughput, connected to the existing IT infrastructure. Quadratek provided all the installation, configuration, commissioning and support services to enable a successful solution..

A robust high performance data solution installed in a challenging environment which was set up in a very short space of time.



### Results

NPL has a successful and robust high performance data solution installed in a challenging environment which was set up in a very short space of time with no impact to the listed building and modernisation on the campus. The solution can be recovered at the end of the project and re-used in another application where needed