



## Royal Holloway University goes the distance for their students using long-range WiFi.

Royal Holloway, a prestigious university based in the UK, has overcome one of their biggest ICT challenges by deploying the InspiAir long-range WiFi solution from leading UK public sector systems integrator, VPNet.

### Innovation

RHUL continues to lead the way in its innovative approach to the delivery of ICT services designed to meet the increasingly technology-driven needs of its university students. Deploying a standard 802.11 technology across the grade 1 listed "Founders Building", RHUL has delivered WiFi connectivity to 500 students who previously had no Internet connectivity in the building.

### Value

In order for the University's ICT Department to achieve one of its' key objectives - the delivery of reliable WiFi services to all students - RHUL opted for VPNet's pioneering solution that quickly delivered tangible benefits such as:

- Simple design and management - only 2 Access Points as apposed to 50, to provide signal coverage across two large quads with 4 floors
- Keeping costs down to enable the project to be delivered within budget
- Rapid deployment in 10 business days from placement of order

### Reducing Complexity

The original solution RHUL considered would have been time-consuming to install, expensive, complicated and would have also presented issues with the Grade 1 listed Building status, protected by English Heritage. The installation resource required could have been potentially interruptive to students, involving weeks of time spent on planning, cabling and delivery. Adding to this cumbersome installation would have been the mounting of up to 50 internal APs, with associated cable-runs throughout the building; the rollout was becoming prohibitively expensive.

Contrast this with VPNet's solution which uses 4 InspiAir long-range WiFi BS appliances that have been attached to a non-penetrating roof mount. Each appliance enables several hundred concurrent internet connections with QoS for applications such as VoIP as well as the ability to separate 802.11b and g clients for optimised connection speeds.

VPNet's unique design enabled RHUL to provide robust and resilient WiFi services, without the cost and complexity of deploying a standard mesh WiFi network. The VPNet solution significantly reduced the University's set up and ongoing costs, and the lead-time for each deployment has been significantly shortened from months to a matter of days.

No other supplier in the UK can offer the unique long-range WiFi capabilities provided by VPNet. In opting for VPNet, RHUL achieved an exponentially faster roll-out to student end users, which freed up ICT resource to concentrate on their core focus and targets.

## Case Studies



### Client:

Royal Holloway University of London

### Solution:

InspiAir's long-range wireless access points.

### Outcome:

cost-effective, rapidly deployed WiFi access for all students

### Other clients:

Derwentside District Council, BBC, Kettering Borough Council, Savilles, Ritmo TV and South Central Ambulance NHS Trust

Nigel Rata, IT Manager, Royal Holloway University of London is delighted with the outcome:



*The VPNet solution reduced the cost by about 75% and provided our staff with a simplified and easier method to assist our students. The VPNet team demonstrated their responsiveness to our needs by delivering an innovative and scaleable wireless solution.*



### Get in touch

To find out more about our exclusive long-range WiFi solutions or to discuss how VPNet could help you, contact us on:

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