



THE ADDRESS

Milford Hill, Salisbury

THE REQUIREMENTS

- Complete coverage
- Secure staff access to main network using official laptops
- Student/guest access using private laptops
- Flexibility to adapt as usage expands
- Multi-phase roll-out
- Discrete installation to avoid damage to historic buildings

THE TECHNOLOGY

- Aruba A2400-48 Mobility Controller – supports 48 Access Points
- Aruba A3200-32 Mobility Controller – supports 32 Access Points
- 66 Aruba AP61 Wireless Access Points
- 2 Aruba AP60 Wireless Access Points for outdoor coverage
- Security enhanced with Policy Enforcement Firewall (PEF) module and Wireless Intrusion Protection (WIP) module
- Reconfiguration of HP wired network for VLAN optimisation

THE BENEFITS

- Costs spread over time using phased implementation
- Sophisticated network security ensures school's duty of care is provided
- Central management reduces long-term costs and increases staff productivity
- Staff gets enhanced speed and bandwidth without affecting student access
- Improved multimedia performance in class
- Campus security camera system upgraded to use dedicated wireless resources

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Customer Overview



Set in lovely grounds within walking distance of the historic town centre, The Godolphin School has been part of Salisbury's life since 1726 and is one of the oldest girls' schools in the country. The education provided to the 420 boarding and day students,

aged 11 to 18, its relevant and responsive curriculum has consistently fostered excellence in the realm of women's education.

"Godolphin offers a broad-based liberal education in a happy purposeful atmosphere where everyone counts and every achievement is valued, whether academic, artistic, creative, sporting or social. Students are encouraged to explore every opportunity, so developing their talents, interests and personalities," says Headmistress Jill Horsburgh.

"Students leave Godolphin as well-qualified, assured and committed young adults, excited about the future and ready to take their place in the wider world."

Business Situation

The Godolphin School is housed in at least a dozen buildings ranging from a modern performing arts facility to the 18th century main building. The variety of construction methods and materials used meant signal strength and coverage would require particular attention to ensure maximum coverage.

The school required complete coverage of all the school buildings, including the four boarding houses, along with some external coverage to provide

wireless access of the outside areas where students commonly gathered during their breaks.

The access proposal needed to ensure that staff had access to the school's network using the secure, managed laptops provided by the IT department while providing "guest" access for students and visitors using their own computers, ensuring these users could not access the main network.

REACT's Solution

REACT Technologies' solution involved a two-phase implementation that spread the costs of the project while ensuring The Godolphin School got the most comprehensive and appropriate implementation. The first stage focused on the teaching areas with the later stage rolling out access to the boarding and ancillary buildings, such as the medical centre.

Most of the work was done during school holidays, limiting disruption to the school's life. Student access is automatically regulated, while internet content filtering control is managed by the South West Grid for Learning Trust.

REACT Technologies is now working with The Godolphin School to improve total network performance by changing the infrastructure to a Virtual LAN topology.

This will streamline the flow of data and improve the speed and bandwidth for staff – without affecting the speed students get.

Other benefits from this network optimisation include better overall network performance, increased scalability, and the ability to provide discrete traffic resources for IP cameras used for campus security purposes. Multimedia services also receive a boost due to the latest improvements.

