

Who: Bryanston School

Where: Dorset UK

Why: Provide secure, wireless access to thousands of users

case study

REACT
technologies



With limited security, mobility and scalability, Bryanston School turned to REACT to find a network solution...

School Overview...

Bryanston School opened in January 1928 with the objective of providing an education which incorporated the best ideas of the past and of the present, drawing from both traditional and progressive educational philosophy.

Junior girls in 1975, which makes it one of the country's most experienced co-educational boarding schools. Bryanston has high academic standards, good examination results and levels of achievement which reflect considerable

"When pushing the boundaries of educational technologies, partners such as React allow us to build an infrastructure we know will deliver our needs both today and into the future"

Andrew Barnes, Director of Technology at Bryanston

This is reflected in the School's motto "Et Nova et Vetera", the new and the old. Originally a boys' school, Bryanston admitted sixth form girls in 1972 and

'added value'. Sporting performance is impressive and the School enjoys a strong reputation for the Arts and Design & Technology.

Bryanston School

education

case study. Bryanston School

The Requirements

- Total security and data protection
- Wireless mobility
- Scalability to support over 1000 concurrent users
- Management from a single central point
- High performance and reliability

The Problem...

Bryanston were keen to offer the latest technology to their pupils and had previously invested in 50 Apple Mac 'AirPorts' to create a wireless network.

This unfortunately did not prove successful and with limited security, mobility and scalability the school turned to REACT to find a solution.

Being a school security is obviously of major importance, but even more so at Bryanston where the school has a 24hour duty of care to its boarding students.

With 400 acres of campus comprising of 15 boarding houses and several academic and sports centres, policy based networking providing wireless mobility was a key objective as well as scalability to support over 1000 Bryanston students.

The Technology

- ARUBA 800 Mobility Controller
- ARUBA 6000 Mobility Controller
- ARUBA 60/61 Access Points
- ARUBA 65 Access Points
- Wireless Intrusion Detection Module
- Policy Enforcement Firewall Module

The Benefits

- Automatic configuration and self-healing capabilities
- Central control of network
- Role-based user access
- Multi-layered security
- Bandwidth control and traffic prioritisation
- Scalable and highly resilient
- Complete secure mobility

REACT's Solution...

After careful consideration, REACT's technical consultants selected Aruba's wireless technology to fulfil the school's requirements.

The Aruba solution allows centralised control of the entire network and with user centric management enables administrators to track students and rapidly isolate and resolve any problems.

Optimised for mobility and availability the network delivers extensive Wi-Fi coverage, automatically monitoring and selecting different RF frequencies and channels to move traffic more efficiently through the network.

The highly scalable Aruba 6000 supports up to 512 APs and over 8000 users. Incorporating security modules the system is the ideal solution for Bryanston providing constant air monitoring that identifies and destroys rogue devices and allows security to be defined per user.

Why REACT Technologies?

We understand that in today's ever evolving business world it is imperative that our customers have cutting edge technology that is adaptable, cost efficient and secure. With a wide range of professional products and services we provide scalable, bespoke solutions that suit your requirements and ensure flexibility and ease with continuing maintenance and support.