

WHO: Unipart Group of Companies

WHERE: Oxford UK

WHY: Provide individual, secure and flexible wireless access over a large area

REACT
technologies

case study

With a 1 million square foot warehouse shared by Unipart and several other businesses, a system was required to deliver individual, highly secure wireless access; REACT had the answer...

Company Overview...

The Unipart Group of Companies (UGC) has a philosophy of continuous improvement focused on driving the company to achieve world class standards of quality, delivery and customer service.

The company has developed a range of tools and techniques to create continuous improvements within the organisation - from creative problem solving processes, standard work and

visual management techniques at grass roots level to policy deployment techniques which ensure that any activity within the company is directed at and aligned with strategy and objectives.

These tools and techniques and the management philosophies associated with them have been codified into what they refer to within the company as 'The Unipart Way'.

Unipart Group of Companies

distribution

case study. Unipart Group

The Requirements

- Adaptability for future expansion
- Complete mobility
- Flexible stringent management
- Secure infrastructure and voice solution
- Emphasis on performance and quality of service

Business Situation...

With numerous office and warehouse locations across the country, including a 1 million square foot warehouse shared by several other businesses, Unipart were concerned with providing advanced technology that would securely protect the interests of each company, whilst also being flexible and easily scalable.

The original infrastructure was based upon first generation wireless technology, utilising "Fat" Access Points that required individual, manual configuration which was time consuming and expensive.

A wireless infrastructure incorporating a VoIP solution needed to be designed and flawlessly integrated into the existing system delivering optimum performance and availability.

The Technology

- ZULTYS VoIP Solution
- ARUBA 6000
- ARUBA 2400 Mobility Controller
- Policy Enforcement Firewall Module
- ARUBA 60/61 Access Points
- ARUBA 65 Access Points

The Benefits

- Advanced traffic management
- Secure transmissions and disaster recovery
- Automated configuration
- High performance supporting thousands simultaneous users
- Integrates non-disruptively into existing infrastructure
- Resilient to interference and easily scalable

REACT's Solution...

Aruba's centralized mobility controller system provides secure mobile computing capabilities to both staff and contractors throughout several UCG locations in the UK, including the one million square foot warehouse and Corporate Head Office in Cowley, Oxfordshire. Aruba's wireless LAN system provides a seamless overlay to the existing wired and wireless network with no physical or logical reconfiguration.

Another key component in the solution was a fully redundant Aruba 6000 capable of supporting 512 Access Points along with several Aruba 2400 mobility controllers. Aruba's technology provides wired and wireless network access to users as well as performing RF monitoring functions to protect against wireless attacks and detect areas across the distribution centre that experience poor coverage or interference.

Voice capability was delivered by Zultys VoIP solution that uses SIP to control interactive communication sessions, with no restriction on the type of media used. Members in a SIP session can communicate using multicast or unicast or a combination of both.

In addition, SIP is independent of the lower-layer transport protocol, which allows it to take advantage of new transport protocols. Supporting up to 250 users and with Automatic Call Distribution (ACD), a jitter buffer to ensure optimal speech quality and speech encryption, the Zultys solution provides complete security and delivers superior performance, reliability and mobility.

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.