



Hertfordshire Fire & Rescue Service

– Certificate Based Authenticated Wireless Access

Hertfordshire Fire and Rescue Service (HFRS) approached Polar with the knowledge and understanding of their proven experience in designing and deploying highly secure wireless access solutions within the education, finance, retail and public sectors (including the UK Fire and Rescue Services), in conjunction with both Microsoft Windows Server 2003 and Windows Server 2008 environments.

Polar designed and deployed an infrastructure capable of automatically enrolling Appliance based Mobile Data Terminals (MDT) and Laptops, and then authenticating wireless sessions with x509v3 based user and device digital certificates and EAP-TLS and AES-CCMP encryption. The Microsoft Certificate Authority and Enrolment system allows authorised users to connect to the wireless network infrastructure with the utmost simplicity, and allows for simple credential revocation in the event that an MDT or laptop is lost or stolen.

The solution is designed in accordance with the rigorous security standards set out by the Communications Electronic Security Group (CESG), the UK Government's National Technical Authority for Information Assurance, and is indicative of the proactive approach taken by HFRS to ensure that the optimum level of protection available for wireless data is deployed.

Utilizing the CESG standards for wireless security enables the public sector to fully realize the benefits of wireless technology previously only enjoyed by the commercial sector. The standards not only cover the wireless technology, but the surrounding processes such as system configuration and disaster recovery.



About Hertfordshire Fire & Rescue Service

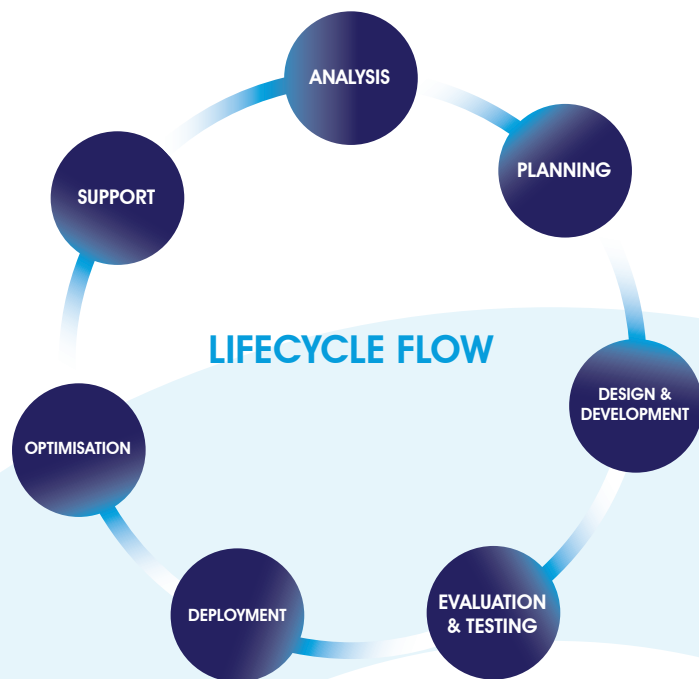
HFRS ICT Team supports approximately 1000 whole time personnel, of which around 600 are operational firefighters working from the 30 fire stations staffed around the clock. A further 30 personnel work within the Command and Control Centre dealing with in excess of 125,000 calls per year, 28,000 of which are 999 calls. With over 250 retained firefighters operating from part-time fire stations and 125 Support Staff, Hertfordshire Fire and Rescue are justifiably proud of their ability to respond to the varied calls for assistance they receive each year.

About Polar

Polar engineers have built some of the most complex and reliable networks in the world including ultra high availability and carrier scale networks, providing professional network services to a diverse and demanding client base. Polar aims to provide a superior level of customer satisfaction and service with highly skilled, industry certified engineers and support staff, enabling your business the ability to get the most out of your network services, leaving you to focus on your primary business functions.

Polar network services:

- Audit & Analysis
- Procurement
- Design & Development
- Proof of Concept Testing
- Implementation
- Security
- Support Services
- Managed Services



Contact

More information is available at www.polar-cc.com

For more information about Polar's Wireless LAN services, including assessment, hardware installation and accreditation, please email solutions@polar-cc.com or call on **08000 567 740**.