



## Case Study

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| <b>Project</b>  | <b>Training</b>      |
| <b>Client</b>   | <b>AJAR-tec</b>      |
| <b>Product</b>  | <b>SmartCore</b>     |
| <b>Location</b> | <b>County Durham</b> |

## Smart-e helps in the fight against crime

### Smart-e's latest matrix plays an integral part in police and forensics training

London based IT/AV integration company AJAR-tec Limited chose Smart-e's latest AV distribution and switching matrix, the SmartCore system, when it was commissioned to provide a new AV and CCTV system for the Crime Scene Investigation (CSI) Forensic Training Facilities at Harperley Hall, County Durham.

### Police training centre

The facility is the National Training Centre For Scientific Support To Crime Investigation - a collaboration between the National Policing Improvement Agency (NPIA) and the Metropolitan Police Service. The centre features a practical training block, 80 bedroom accommodation unit, syndicate rooms, classrooms and laboratories, gym, refectory area and bar, and incorporates an Immersive learning environment command and control training system.



### The brief

The brief required the system to operate on the existing structured cabling and to be flexible to cope with a constantly evolving environment. Additionally, the solution had to be user-friendly and maximise asset usage and management. AJAR-tec undertook extensive research to build a highly sophisticated bespoke solution with huge potential and flexibility, providing a full IP based solution for the CCTV security system, practical training block observation system, IPTV and VOD system, and 10 training room AV systems as well as digital signage for the public areas.



### Smart-e equipment used

The SmartCore system designed and manufactured by Smart-e installed at the facility is being used to run the CCTV system. Choosing the SmartCore switch allowed AJAR-tec to connect all the high resolution cameras through a single centralised switching and distribution unit, providing a very flexible and cost effective solution for managing audio visual communications. The matrix allows 32 multi-format high resolution video and audio signals from various sources to be routed up to a maximum of 32 displays. Designed to use industry standard CAT 5\* connections for both input and outputs, the system can be upgraded extending its routing to an impressive 256 x 256 inputs and outputs.

As Joe Duchscherer from AJAR-tec said "The SmartCore system is unique, it is a true non-blocking matrix switcher which allows AV sources to be located in remote areas to the matrix. We chose the Smart-e matrix because it is extremely flexible, easy to install and has a large handling capacity.

### AJAR-tec

A winner of the EMEA InAVation Awards 2008, Knightsbridge based AJAR-tec acts as a catalyst for both suppliers of emerging technologies and clients seeking new and exciting technologies to integrate into their business environment. The company's research and development team are at the forefront of technological breakthroughs and have a proven track record of taking a cutting-edge concept and making it integrate successfully for business use. AJAR-tec's philosophy is "If you can dream it, you can do it!".

### National Policing Improvement Agency

The NPIA is police service owned and led. It was created to make a unique contribution to improving public safety, through driving improvement and leading-edge practice where it matters. Fostering self-improvement and helping to shape the future of policing; delivering and developing critical essential services and infrastructure to support policing day-in and day-out; providing accessible, responsive and joined-up solutions, enabling the police services to put more time into front line police work.

\* CAT 5 refers to CAT 5, 5e, 6, 7 and 8 structured cabling