



## CASE STUDY | FSE GROUP



# End User Case Study

**The Finch Seaman Enfield group of companies are specialist manufacturers and suppliers of Cast Metal Products for the engineering and construction sectors not only nationwide, but on an international scale.**

Based near Essex's London Stansted Airport, FSE Group are located in a prime position to provide fantastic service for customers throughout the South East, London and the rest of the UK. With the company's first incarnation dating back to 1932, the FSE Group's expertise in their field is undeniable but by adding the best available surveillance and security equipment on the market today, the company felt they could improve health, safety and working practices at their foundry.

**Distributor:**  
Videcon LTD

**Installer:**  
Meritas Fire & Security  
Protection

**End User:**  
FSE Group  
Prime contact Robin  
Oxborough

**Equipment:**  
Concept Pro HD-IP Camera  
System

- 32 channel VHDIPL Network Video Recorder
- 21 x 4MP Turret Cameras CVP9328DNIR-IP4MG
- 1 x AIR3525-IP5MZ

Over the next 12 months this will increase to a total of 38 cameras.

**Date of install:**  
2017

# The Challenge

Due to erratic conditions varying from intense heat to chilling cold and from thick dust to thick dirt, this installation was always going to pose issues. Heat rises which caused a particular problem for this installation, cameras are usually installed at a height and with intense heat comes intense pressure on installers and pressure on the technology used. To combat these issues, the installer Meritas Fire & Security Protection used their own bespoke self-made brackets, mounting each camera on a bracket to ensure durability and optimum effectiveness.



With no prior infrastructure in place, the installer faced the challenge of working out CAT5/6 cable routes. To achieve this whilst causing minimal disruption to the everyday routine of one of the UK's busiest foundries was impressive and Meritas managed this through the installation of overhead cable trays. Using a mobile platform, the installers were able to manoeuvre around machinery and equipment to reach the highest reaches of the foundry where overhead cable trays were put in place on roof beams and supports. To install the infrastructure and the equipment requested by Meritas whilst contending with heat, terrible lighting conditions and being 10 metres in the air was some achievement. Meritas' installers' flexibility is also to be commended, as they had to work at unusual hours in an attempt to keep in line with FSE Group's busy schedule whilst carrying out their installation quickly and efficiently.

Meritas Fire & Security Protection pride themselves on providing excellent customer support and this installation is a prime example of fantastic customer support from the company. Combining years of industry expertise, top of the range products and fantastic customer support, Meritas have become one of the UK's most well-known security installers, providing their services to a multitude of customers ranging from private sector businesses to public sector institutions. Offering bespoke solutions, Meritas are able to tailor an installation precisely to an end user's needs.

Meritas Director Steve Slade led the project and identified Videcon's **Concept Pro HD-IP range** as the best suited to the challenge ahead, including 4MP turret cameras, a Real Time Network Video Recorder and the iPims Video Management Solution.

**Above:**  
*FSE Foundry in Braintree,  
UK*



**Above:**  
*End User FSE Foundry*

Concept  Pro

Concept Pro is a renowned brand of surveillance equipment exclusively available from Videcon Ltd, security provider to the UK since 1995. Offering a complete product portfolio of IP cameras and recording solutions including 2MP and 4MP cameras and 1080p real time Network Video Recorders Videcon offer products suitable for any installation. All cameras are powered by POE and offer a modular solution, ensuring a star configured installation is enabled with cameras local to their recording device.

In total, Meritas installed **21 Concept Pro CVP9328DNIR-IP4MG 4MP Turret** cameras, **1 AIR3525-IP5MZ** camera and a **32 Channel VHDIPL Network Video Recorder** with up to 24TB storage. Over the next 12 months, 16 more cameras will be added and installed by Meritas.

Smart Storage Compression is used in all VHDIP recorders; this guarantees 30 days worth of recording on every camera on the system. These recordings can be accessed and controlled using iPims from Concept Pro on up to 256 devices all of which can be installed across the globe to be viewed and controlled from one central location.



Videcon Ltd is an ISO 9001 accredited distributor of CCTV security equipment formed in 1995, selling exclusively to trade customers. Based in West Yorkshire, Videcon Ltd is the home of the Concept Pro brand which includes a host of cameras, monitors and DVRs for analogue, AHD and IP CCTV platforms that continues to grow and diversify. Videcon products have been installed in locations including leisure facilities, gaming premises, retail establishments, schools, hospitals and defence sites.