



RAIL INFRASTRUCTURE SECURE CCTV MONITORING

“ The customer was experiencing reliability and performance issues with its previous computer. Captec was selected to supply a more reliable platform that was configured, integrated and tested, mitigating all previous performance issues. ”

Key Account Manager,
Captec

A global leader in the provision of visually intelligent solutions for the global surveillance, security and safety industries. The customer specialises in zero-latency streaming, as well as analysis of secure video and related-intelligence over wireless networks including: cellular, satellite, IP mesh and cloud. Reliable specialist computers form an integral component of the customer’s rail platform CCTV monitoring application.



REQUIREMENTS & ISSUES

- Customer required a reliable specialist computing platform for monitoring digital footage on railway platforms
- Flexibility in mounting needed to offer both rack and tower orientation
- Powerful processing capabilities were essential to support high quality CCTV footage
- Redundancy of both power and storage was necessary compensate for lack of technical maintenance presence onsite
- Large storage capacity required to accommodate substantial amounts of data securely
- Customer needed the configuration of its own specific add-on cards
- Installation, configuration and testing of the customer’s software for assurance of reliable operation

THE SOLUTION

- ▶ Captec designed and manufactured an industrial 4U rackmount server optimised for reliability
- ▶ Chassis selection with rackmount rail and pedestal kits met orientation requirements
- ▶ Specification of powerful processors for increased performance
- ▶ RAID storage and dual redundant PSUs minimise the risk of data and power loss
- ▶ Two high performance hard disk drives to store significant amounts of data
- ▶ Integration of customer specific add-on cards as part of a value added service
- ▶ Gold imaging, testing and installation of software saved customer time, removed pressure and provided assurance of quality



THE OUTCOME

- ▶ Expert component selection and engineered thermal management ensures platforms are capable of 24/7 operation, enabling continual CCTV monitoring
- ▶ Configuration of customer specific software and installation of add-on cards enables the customer to benefit from a platform ready to run
- ▶ Comprehensive mitigation of previous reliability issues
- ▶ Lead times reduced while still providing the customer with a more reliable and complete platform



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