



Market Segment:
Rail Infrastructure

Country of installation:
England

The customer:
**London Continental Railways
and Union Railways North**

System Integrator
Zenitel

Solutions:
**Public Address & Voice Alarm
System and Control system.**

Key Products:
iVENCs

PAVA and iVENCs

St Pancras International

The Requirement

London Continental Railways (LCR) and Union Railways North (UCN) required the design, development, installation and commissioning of an entire Station Control System (SCS) as part of the CORBER consortium supplying to London's St Pancras International high speed rail terminal.

The £1.2m contract included the required integration of over 8,000 field devices across 16 subsystems including CCTV, BMS, network switches, Passenger Help Points, Zenitel-supplied Long Line Public Address and Voice Alarm, Access Control, Passenger Information Systems (PIS), vehicle barriers and PABX.

The solution

Zenitel's solution was iVENCs - an intuitive 3D control system, designed and developed over a 4-year R&D programme, complying with TickIT ISO 9000-3 software quality practices and procedures, providing an alternative to the existing SCADA-based systems in the market. iVENCs'

advanced features allows for tiered user role operation across multiple sites, fail-over and redundancy between operational and backup locations, monitoring and control of all safety subsystems from a number of synchronised workstations, situated in the Eurostar control rooms amongst others located about the station. iVENCs uses open source technologies, enabling long term development and support of the iVENCs platform without vendor lock-in.

The Result

Following successful delivery against strict time and budget constraints, Zenitel won a number of awards including 'Best AV/IT Project' and 'Systems Product of the Year 2008'. Since the project, Zenitel have been providing support with the maintenance of the site, with daily remote health checks along with a support and maintenance strategy aimed at reducing overall lifecycle costs. The result has led iVENCs to achieve the highest availability figure out of all systems at St Pancras.

