



Solution from Bosch Security protects the end of the line

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An entire portfolio of technologies from Bosch Security Systems – including the PLENA range of Public Address/Voice Alarm (PA/VA) technology – is being installed at the new Stobart Rail operated railway station at Stobart Group’s London Southend Airport to protect the safety and security of passengers and staff.

The station and airport, which was acquired by the famous transport and logistics group in 2008, features the Bosch range of Projection Speakers and Metal Cabinet Speakers to ensure effective communications with passengers, whose numbers are expected to rise to more than two million by 2020. The site is also benefitting from a surveillance system which includes the first installation of its new digital hybrid recorder (DHR).

Project Managers Birse Rail appointed DACS Rail as Electrical Engineers on the project who in turn appointed Max Electronic Systems to design and install a safety and security system that was fit for purpose today, but that could be relied upon to still be operating efficiently in the future. For that reason, Bill Anderson, Managing Director of MAX turned to Bosch:

“When Stobart first purchased the site, it was obvious that security would be paramount,” he says. “This major new gateway for the south east now has a security and communications solution that is at the cutting edge and will be further upgraded as technology advances.

“Bosch products are at the centre of everything we have done; the proven reliability and quality of its technology is exceptional,” he adds.

The railway station has been expanded as a direct result of plans to upgrade London Southend to handle larger aircraft, and therefore more passengers, requiring the highest specification CCTV.

At the heart of the CCTV system are 20 Dinion XF Colour cameras, 15 Dinion 2xDay/Night cameras, three video interconnect portals and three LCD TFT monitors. It is also the first site in the UK to use the new DHR technology.

In terms of delivering the messages and audio throughout the station, Bill opted for the flexible but entirely scalable Plena Controller which forms part of the PLENA communication family, including a remote control panel and zonal microphones. The railway station is also covered by Bosch Speakers, with Projection speakers located upon the platforms and Cabinet speakers within the waiting areas.

The Bosch 700 Series (formerly Divar XF) is a highly scalable system recorder for medium to large applications. It is a realtime 4-CIF embedded recorder, available in hybrid (analog/IP) and IP-only versions and utilizes state-of-the-art H.264 compression to deliver bit rates that are up to 30% lower than conventional MPEG-4 based recorders.

Ends

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The Bosch Group is a leading global supplier of technology and services. According to preliminary figures, some 283,500 associates generated sales of 47.3 billion euros in the areas of automotive and industrial technology, consumer goods, and building technology in fiscal 2010. The Bosch Group comprises Robert Bosch GmbH and its more than 300 subsidiaries and regional companies in over 60 countries. If its sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Bosch spent some four billion euros for research and development in 2010, and applied for over 3,800 patents worldwide. With all its products and services, Bosch enhances the quality of life by providing solutions which are both innovative and beneficial.

Bosch is celebrating its 125th anniversary in 2011. The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as a "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership

functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH.

Additional information can be accessed at www.bosch.com, www.bosch-press.com, and www.125.bosch.com.