

Vigilant in Spain SUCCESS STORY

Keeping security on track

About ETS



In order to make the commuter and inter-city rail system more efficient, modern and sustainable, the Basque government created ETS, Euskal Trenbide Sarea, in September 2004 to oversee and execute the construction, maintenance, management and administration of the rail infrastructure in the region.

The organization was split into two separate companies in 2006 with **RTS/RFV** as the owner of the infrastructure – stations, rail, network, security, etc. – and **Euskotren Trena** as owner of the trains and operator of local and inter-city passenger services in the provinces of Biscay and Gipuzkoa in the Basque Country, Spain.

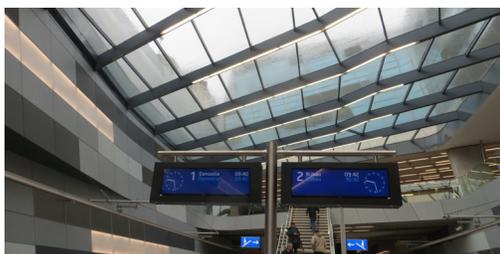
The system carries more than 30,000 riders a year.

The Challenge

Station security manages more than 30 stations across the Basque area in northern Spain covering over 179km of track. Working with integrator, GR Technologies, ETS installed the first CCTV system in 2004 that consisted of a Vigilant Enterprise DVR and analog surveillance cameras for small number of stations. Over the years, additional train stations were added to the system and today there are more than 650 cameras over 30 stations all connected to two (2) control centers that manage all cameras.

During this 10-year period, surveillance technology moved from primarily an analog infrastructure to an IP infrastructure. The Vigilant system enabled ETS to make improvements without sacrificing their initial investment.

Vigilant's Solution



Each station utilizes Vigilant's Hybrid NVR, a local recording server that enables video to be viewed live or as part of post-event investigation. Two main control centers located in San Sebastian and at Bilbao enable security officials to view video from all stations. The addition of Vigilant NetStream IP cameras with on-board video content analytics offer security officials real-time alerts and automatic analysis according to pre-defined rules and scenarios to optimize the decision-making process.

The result is one of the most advanced CCTV systems of its type currently operating in the Spain railway industry, bringing a virtually seamless network in which a single person can be tracked from any platform, on any managed station, through that station concourse.

According to Marcos Reboredo, Director of GR Technologies, "The ability to combine both IP and analog cameras, including video analytics, to support the high performance and reliability requirements specified by ETS, was a major factor in selecting Vigilant's technology. More recently, with the availability of IP cameras, domes and encoders, the system allowed ETS to integrate new and existing facilities in the two control centers which monitors more than 50 video streams simultaneously."

About Vigilant

Founded in 1999, Vigilant Technology designs and manufactures intelligent IP video surveillance solutions for enterprise class CCTV deployments in mission critical, multi-site application environments operating over enterprise LAN, wireless or carrier networks.

Vigilant's international headquarters is based in Tel Aviv, Israel. The company is a wholly owned subsidiary of BATM Advanced Communications (London stock exchange ticker symbol: BVC).

About GR Technologies

GR Technologies (Revenge Ingenieros) is one of Europe's leading companies in the development of integrated telecommunications, information technology, electronic security and rail systems. GR Technologies is a company of Grupo Revengea.

With over 40 years experience, GR Technologies has undertaken projects in over 15 countries on four continents. Our more than 150 professionals are located in Spain (Madrid, Burgos, Durango and Barcelona) and in our international offices in Poland, Turkey, Brazil, United States, Saudi Arabia and Qatar.

www.grtechnologies.es

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Hybrid surveillance solutions from Vigilant enable customers to leverage all the advantages of a high-end IP surveillance solution - including sophisticated video analytics and megapixel cameras - while maintaining current analog cameras infrastructure. With seamless and simple integration into your IP network, Vigilant provides users with the ability to combine an unlimited number of cameras with Vigilant's IP recording, surveillance management and situation awareness products, including NetView our IP matrix solution.

Together with Vigilant NetStream advanced IP video encoders, these solutions empower authorized security personnel with maximum flexibility and freedom - enabling simultaneous access, control and viewing of live or playback video from any IP or analog camera, fixed or PTZ - regardless of user location or client device.

Vigilant's open architecture enables easy third-party interoperability with IP devices or parallel systems, and future-proof migration from legacy analog to hybrid or even pure IP environments to protect existing infrastructure investment, maximizing ROI.

Designed to meet today's tough security standards, Vigilant's recording solutions provide unique video quality, unmatched scalability, 365x7x24 availability, and excellent flexibility.

NetStream Encoders and IP Cameras

Vigilant offers a range of IP encoders to enable customers invested in analog surveillance and security cameras to cost-effectively migrate to an IP-video environment. These encoders convert the output of analog cameras into high resolution, highly efficient real-time h.264 OR MPEG-4 video and audio streams for delivery over the IP network to a network-based recording solution such as the Vigilant NetVR or to an IP control room solution such as the Vigilant NetView.

Designed to meet the needs of any environment, Vigilant's comprehensive range of SD and HD IP cameras provide the security and surveillance coverage that protect people, places and assets. Available as box, dome or PTZ, NetStream and Eco family of cameras feature H.264 image quality, data compression capabilities and full 1080P, as well as embedded video analytics capabilities.

NetVR 5210



NetVR, together with Vigilant NetStream advanced IP video encoders, empower authorized security personnel with maximum flexibility and freedom - enabling simultaneous access, control and viewing of live or playback video from any IP or analog camera, fixed or PTZ - regardless of user location or client device.

Designed to meet today's tough security standards, Vigilant NetVR provides unique video quality, unmatched scalability, 365x7x24 availability, and excellent flexibility. Further, featuring easy third-party interoperability with IP devices or parallel systems, and future-proof migration from legacy analog to hybrid or even pure IP environments - Vigilant NetVR helps protect existing infrastructure investment, maximizing ROI.

Elite™ Hybrid DVR

The Elite Hybrid DVR supports 32 analog cameras via H.264 advanced video compression and 16 IP devices to offer superior video quality while utilizing significantly lower bandwidth and storage capacity. With up to 33TB of RAID-5 storage capacity the server can enable more than 90 days of video retention.

The Elite Hybrid network video recorder can serve as a scalable enterprise solution or can monitor multiple remote sites using the onboard remote gateway server (RGS). Vigilant NetView Control Center works seamlessly with the Elite Hybrid DVR to support multiple sites and multiple control centers over a limited bandwidth network.