

**Who:** Eurostar

**Where:** Ashford International, Ebbsfleet International, London St. Pancras International, Brussels-Midi & Paris Gare du Nord Stations

**Why:** To provide Eurostar's Business customers with reliable high speed secure wireless connectivity.

## Case Study

# REACT

Innovative Solutions

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## Transportation

Eurostar began in 1993 with the completion of Waterloo International terminal, which was opened by HM The Queen who travelled on Eurostar to Calais Coquelles for the official inauguration of the Channel Tunnel with President Mitterand of France.



**Oct 2010** - Eurostar announces a £700 million investment in its rolling stock including the purchase of ten new trains from Siemens and the overhaul and redesign of its existing fleet

**Sep 2010** - The new corporate structure for Eurostar International is launched and the company moves from being an unincorporated joint venture into a single, unified corporate entity

**Aug 2009** - Eurostar carries its 100 millionth customer

**Jan 2008** - Dame Kelly Holmes officially opens Ebbsfleet International, Eurostar's new station in Kent in the UK through the Channel Tunnel

**Nov 2007** - St Pancras International becomes new London home in a move from Waterloo International. The second section of the UK high speed rail line, High Speed 1, is completed. The journey time from London to Paris is reduced to two hours 15 minutes, and London to Brussels journey time, one hour 51 minutes. All Eurostar journeys to/from St Pancras become carbon neutral

**Oct 2007** - Temple Mills International Depot is officially opened in east London

**Sep 2003** - The first section of High Speed 1 in the UK, formerly known as the CTRL 1 opened, reducing journey times to Paris to two hours 35 minutes and to Brussels to two hours 20 minutes

**Jul 2003** - Eurostar sets UK rail speed record of 208 mph, 334.7 kph

**Jan 1996** - Eurostar services launch from a second railway station in the UK, Ashford International

**Nov 1994** - Eurostar services are launched between: London Waterloo International station, Paris Gare du Nord, Brussels Midi and Lille Europe. Eurostar is jointly operated by EPS, a subsidiary of British Rail, SNCF and SNCB

**May 1994** - HM The Queen officially opens Waterloo International and then travels on Eurostar to Calais, Coquelles for the official inauguration of the Channel Tunnel with President Mitterand of France

**Jun 1993** - First test train arrives in the UK through the Channel Tunnel



*REACT... Providing Innovative Solutions to Problems*

**REACTenterprises.com**

## The Requirements...

- Replace four different existing networks with one
- Reduce the risk of high WIFI interference
- Corporate wireless and guest access fully redundant
- Real time connection through access points
- Reduce network running costs
- Reduce risk to data from disaster recovery – fully redundant
- Total security able to detect rogue access points
- Centralized management

## The Benefits...

- Free of Charge WIFI
- Centrally managed
- One ISP only
- High Speed wireless broadband
- Fully redundant – No single point of failure
- Bandwidth Control and traffic prioritization
- Secure Internet Access
- Fit & Forget WIFI solution
- Scalable and Highly resilient

## The Problem...

- Five different systems
- No central management control
- Each station needed different accounts with Wireless ISP's



## REACT's Solution...

REACT recommended the use of Ruckus Wireless technology because of its unique BeamFlex technology making it the best solution for this environment.

The solution is designed to offer corporate connectivity to Eurostar's Business Premier customers. The Ruckus solution installed by REACT consists of Ruckus Dual Radio Access Points mounted at each station in the business lounges. The Ruckus Zone Director Controller centrally manages the Access Points, providing a load balancing and resilient service.

*"Even our board members and our CEO are happy with the new WIFI service in the Paris lounge! BRAVO". – Christophe Lemaire*

*"Congratulations and thank you ... the team EIL / IT".  
"Here will greatly assist users of iPhone and iPad ...!!!  
Too bad we did not do it earlier "... – Jean-Claude Guez*

## Why REACT...

We provide our clients with a range of solutions that fit their unique business needs. Delivering service and expertise within these solutions, designed to instill customer confidence and vision of their network capabilities. We work to increase our customer's profitability whilst enhancing their value proposition, skills and talents.

## The Technology...

- Ruckus ZD1125 Zone Director Controller 802.11 a,b,g & n
- runs up to 300 Mbps. Centrally manages entire network
- Ruckus ZD7363 Dual Radio Access Points