

# PADDINGTON STATION PA / VA SYSTEM RENEWAL

## Project Summary

**Client:** Network Rail

**Timescales:** April 2013 – December 2014

**Linbrooke Disciplines:** Telecommunications

**Linbrooke Services Utilised:** Project & Site Management, Design, Installation, Commissioning, Entry to Service Management

## Customer Objective

To upgrade and renew the PA/VA system at Paddington Station in a modern compliant form and to deliver the required improvements while having minimal impact on the passengers and the business needs of Paddington Station.

## Project Overview

Due to the expired life expectancy of Paddington's Public Address/Voice Alarm (PA/VA) system, it required a series of renewals in order to fully comply with British, European and Network Rail Standards. Linbrooke were selected to deliver the project which included the implementation of an upgraded public announcement system and a necessary voice alarm system.

Additionally we were tasked with the creation of alternative designs and the installation, optimisation and commissioning of new equipment for which we provided a full turnkey delivery of GRIP 5-8 in detailed design, build, commission and return into service.

As a listed building, Linbrooke had to work with English Heritage in order to ensure the station architecture remained intact throughout the project.

*As a prestigious site for Network Rail, Linbrooke were presented with the STARLITE award for our safety record, performance and general site management on this project.*

## Linbrooke Project Scope

As a high profile managed station open 24 hours a day, the project was esteemed and challenging. Linbrooke – who were remitted to design and implement Paddington's PA/VA/Atos CIS automated announcement system interface - utilised and maintained a collaborative liaison with multiple stakeholders including English Heritage and the station vendors. This was in order for them to express full acceptance of all changes prior to the instigation.

Linbrooke's scope of works included:

- The perpetuation of connection to the existing fire alarm system/controlled disruption to daily service
- Provision of a stakeholder approved design solution that guaranteed full audibility functionality throughout the station
- The sourcing of specialist partner suppliers and aesthetically pleasing speaker arrays
- Develop, design and install an equipment count efficient solution capable of the specified performance
- Design and commissioning of bespoke and innovative totems with a comprehensive structure of 4m in height and fitted with CIS screens and CCTV cameras in readiness for the proposed future renewals.

Although the majority of the framework was of telecommunications lineage, the project was also laced with significant aspects of both power and civils which Linbrooke's multi-skilled teams were able to provide. This contributed to the time/cost efficiency of the project.

## Benefits of working with Linbrooke

Utilising an effective and collaborative approach with all involved parties – including British Heritage and Paddington Station retailers - our team worked tirelessly 24 hours a day to complete the project and meet the needs of all stakeholders.

With our quality driven 'can do' ethos, Linbrooke consistently provides:

- A strong, broad understanding of the technical scope
- Survey, detailed design, installation and commissioning resources all in house
- The continuity and interdependency that results from the unification of industry disciplines
- A full turnkey understanding of telecoms, power and signalling
- A highly skilled, motivated and experienced work force
- The size, ability and flexibility to react quickly, effectively and safely to changing circumstances