

# ON TRACK...

From IPS and Postfield Systems



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## Wood Lane Station



Source: Ian Ritchie Architects

**IPS has won the Mechanical & Electrical package at the new Wood Lane Station which will open to coincide with the opening of the Westfield London development.**

The station is part of the White City Development, a partnership between London Underground and the developer Westfield, providing many new and improved transport links to the new Westfield London retail and leisure development and the surrounding area.

Wood Lane will be the first new station to be built on an existing London Underground line for more than 70 years!

### Our role in the project

With experience gained through previous London Underground projects, IPS has been selected as the sub-contractor to provide the following services:

- Mechanical Services – this installation shall comprise of the detailed design, supply, delivery, positioning, installation, setting to work, testing and commissioning of the station and

ancillary areas ventilation, cooling, heating and the controls systems.

- Electrical Services – including lighting installation, cable containment, earthing system and power distribution.
- Communications – including a complete CCTV system (to provide security coverage) including over 75 cameras, intruder alarms, public help point system, Access Control System and a public address/voice evacuation system (PA/VA).
- Public Health Services – including drainage and service supplies.
- Fire & Life Safety System Services.

Installation shall be carried out to LUL standards, and it is proposed that most of the M&E work will be carried out during train operating hours (with some work required during engineering hours).

The station will be located between the existing Shepherd's Bush Hammersmith & City line and Latimer Road stations on the junction of Wood Lane and Aerial Way.

The project will bring regeneration, jobs and a 21st century transport system to this part of west London.



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## Wood Lane Station continued from front page



### Interesting facts:

- Approximately 60% of all visitors are expected to use Public transport to access the new development – transport links have been designed to cater for the increase in demand.
- Wood Lane Station will be the first new station to be built on an existing London Underground line for more than 70 years!
- Westfield London will cover an area of 46 acres, and will be one of the largest retail developments in Europe.

## Classical music deters 'yobs'

**T**FL's Classical Music Project has proved a success in helping to tackle youth disorder. IPS played a role in this scheme last year and has just won another tranche of stations.

Metronet was asked by London Underground chief, Tim O'Toole, to install the technology at stations on the District, Victoria, Central, Metropolitan, Bakerloo and Hammersmith & City lines. When the music was played at four test stations, physical and verbal abuse fell by 33%! The music has reduced the number of youngsters loitering around the stations – as they consider the music which includes

Mozart and Pavarotti is 'uncool'. Areas where the music is played include the ticket hall, exits and waiting rooms.

IPS developed the initial design for the nine stations after surveying the sites to assess the existing equipment available. Once the design was approved the following equipment was installed, tested and commissioned:

- MP3 player – to form the source of the background music. London Underground, in association with BroadChart, provided the music in MP3 format. There was a specific rule that no music was permitted to be played within the same two hour period

- 100v line mixer amplifier
- Classical music specific public address system – a mute function was provided to silence the music during routine or emergency public address broadcasts to the areas in which classical music is to be provided
- Associated cabling

### IPS installed the classical music system at the following stations:

- East Ham
- Bow Road
- Barons Court
- Chalfont & Latimer
- Rayners Lane
- Tottenham Hale
- Newbury Park
- Woodford
- Upminster Bridge

**“ We have just awarded IPS the next tranche of stations based on the quality of their previous work which was on time and on budget. I look forward to working with IPS over this next phase. ”**

John Hinds, Senior Communications Engineer, Metronet

## Design services at IPS

**IPS specialise in the design, installation, commissioning and maintenance of communication and security systems on the London Underground.**

Systems covered include; CCTV, PA, Passenger Help Points, Customer Information Systems, clocks, radio, telecomms, data networking, access control systems, integration with external systems and Station Control Facilities.

IPS has experience in whole life cycle communications design projects from conceptual design through system design and specification to station specific detailed design including system validation and integration testing. The team work closely with specialist consultants' human factors, acoustics and other discipline designers.

The team has recently undertaken the design activities for a number of station upgrades. For further details please refer to our website ([www.ips-ltd.co.uk](http://www.ips-ltd.co.uk)).

## M&E at Finchley Road Station



The Jubilee Line station which first opened in 1878 has recently been modernised as part of Tube Lines' station upgrade programme which seeks to improve safety, security and the availability of information to passengers, as well as refreshing the look and feel of the décor.

Work on site commenced in November 2006 and involved both night and day shifts. The vast majority of the back-of-house works was carried out during the daytime.

IPS installed all the CMS (Cable Management System) throughout the station as well as designing (using a laser plotter) and manufacturing the site specific bends (refer to photo). Special site specific CMS brackets were designed in-house for the timber frame canopy.

The site team installed the complete air conditioning system with its ducting, upgraded the switchgear and installed and commissioned all electrical services within the station.

**Tube Lines awarded IPS the 'Mechanical & Electrical' package at Finchley Road Station.**

**“IPS and Tube Lines worked well together on the Finchley Road station enhanced refurbishment to deliver a quality product. The project was not without its challenges but the teams worked hard to find pragmatic and cost effective solutions; for example we challenged established working practices and completed a significant amount of the mechanical, electrical and CMS installation during traffic hours in the public areas of the station.”**

Peter Murray, Project Manager, Tube Lines

## Did you know?

- We are now appointed to carry out the British Safety Council Level One Certificate. The last round of exams achieved a 100% pass rate!!

All our employees are encouraged to take the course which is overseen by Nick Johnston our Health & Safety Manager.



- We have updated our training / validation suite to accommodate both legacy equipment and the latest communications equipment. The suite is utilised by both internal and external customers.
- Bruce Fenge, Senior Bid Manager has joined us from ACS. Bruce is a Chartered Engineer and has gained more than 20 years experience within the transportation industry.
- IPS has contracted a registered accreditation body to provide consultancy services to perform 'an environmental 14001:2004 accreditation' gap analysis.
- Our in-house intranet system is revolutionising the way we work. Timesheets and purchase orders are now linked to individual work order numbers which allows us to carry out a detailed analysis on all our projects. In addition, training records are stored on the system with a 'crystal ball' email set up to remind employees that their permits/courses are about to expire.
- A new mezzanine level was installed in our stores area during August. This new level has nearly doubled the size of our stores and production areas.
- Keep up to date with our latest news via our websites ([www.ips-ltd.co.uk](http://www.ips-ltd.co.uk) & [www.postfield.co.uk](http://www.postfield.co.uk)) which are updated on a monthly basis.



## BrightEye is a hit at the Zoo...

**B**rightEye monitors supplied by Postfield Systems to Broxbourne's Paradise Wildlife Park in Hertfordshire are proving particularly popular with the visitors.

Steve Saunders, Head of Communications at Paradise Wildlife Park said "after consultation with the technical department at Postfield Systems we opted for the BrightEye monitors due to their weather protection and clarity of picture in sunny conditions – it has proven to be the right decision. They help to deliver important

conservation information with regard to specific animals".

One monitor is situated at the Park's new beaver enclosure, which was recently opened to coincide with the 100th anniversary of the Beavers and Scouts movement, while the other is located between two small-cat enclosures.

Both monitors show professionally made recordings featuring the animals inside the enclosures. One of the screens is also used by the Park's keepers to monitor the Ocelot and neighbouring Pallas Cats who have just had a rare litter of kittens!



## IPS Eagles Club

**We** are delighted to announce the renewal of our box at Crystal Palace Football Club.

If you are interested in joining our club for home match tickets please contact us

on 020 8655 6060 or send an email to sales@ips-ltd.co.uk

For details of forthcoming matches and further details please refer to our website ([www.ips-ltd.co.uk/IPSEaglesClub.htm](http://www.ips-ltd.co.uk/IPSEaglesClub.htm)).

## Join our mailout

**I**f you have received our newsletter from a colleague and would like your own copy please email: [wendy.coward@ips-ltd.co.uk](mailto:wendy.coward@ips-ltd.co.uk)

Alternatively you can download the latest version from our websites:

- [www.ips-ltd.co.uk](http://www.ips-ltd.co.uk)
- [www.postfield.co.uk](http://www.postfield.co.uk)



## Meet Phil Clayton



**S**ome of our 'On Track' readers have asked us to interview members of the Senior Management team. In this issue we meet Phil Clayton, Managing Director of IPS.

- 1 What has been your greatest achievement to date? *I would have to say achieving a £10m turnover within 10 years. We couldn't have accomplished this without our strong team of employees who have gained us an excellent reputation.*
- 2 Do you prefer cats or dogs? *Dogs. In fact Trevor our Tibetan Terrier recently won his first prize at Chaldon fête. At the same fête our youngest son Oliver won the title of 'Young Handler of the Year'.*
- 3 What is the most recent film you have seen at the cinema? *I saw 'Harry Potter and the Order of the Phoenix' with my family. I have to admit that I have read all the Harry Potter books!*
- 4 What is the most recent pop concert you attended? *Prince at the O2 was the most recent but the best concert was seeing Police at Twickenham!*

## For more info

**T**o discuss any news items in 'On Track' please contact:



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