

Innovation comes alive at Railtex

Unipart Rail and Dorman's stand at Railtex came alive with pioneering technology. With innovations that covered both infrastructure and traction and rolling stock, the fully operational displays excited visitors with demonstrations exhibiting increasing fuel economy, reducing installation and maintenance times and bringing new ideas into the rail industry. Some of these innovations, which are just part of the reason why Unipart Rail is your 'Unique Partner in Rail', are outlined here.

Modular plug and play

The display showing the Unipart Rail solution to the plug and play initiative was particularly impressive, integrating:

- Plug coupling.
- Innovations in REB and location case design.
- New approaches to level crossing control and monitoring.
- Electro-mechanical barriers.
- Polymer cable troughing.

Visitors to the stand could easily

'Sir Roy McNulty's Report on the Value for Money of Railways makes clear his view that further savings must be delivered. Cost reduction means innovation of technology, application or process. Much innovation comes from suppliers, and Railtex is a major market place where clients from the UK and overseas can see what suppliers are able to achieve'.

Jeremy Candfield, Director General, Railway Industry Association, (during the opening ceremony of the exhibition).

understand how all the innovations worked together to make installation, commissioning and maintenance much simpler and faster than using current systems. In addition, they protect trackside workers by minimising their exposure to risk.

Latest in LED Signalling

The Integrated Lightweight Signal (ILS) was demonstrated, showing its lightweight construction, simple installation and integration with the plug and play concept. Together with the new Proceed on Signal Authority (PoSA), point indicator, semaphore signal module, level crossing 'blocking back' sign and the 'overheight indicator' to avoid bridge strikes, Dorman engineers once again clearly demonstrated why their LED technology leads the UK signalling community.

Fuel economy and train safety

In the on-stand train cab, visitors used a simulator to see how the Schedule Advisory System (SAS), which has been developed in conjunction with Halcrow, can deliver up to 16% fuel economy savings, and help to keep trains moving to timetable. Combined with the additional savings using DiesoLIFT fuel additive, over 20% in fuel savings is achievable.

Track pan system

Working in close conjunction with Network Rail's principal contractor system installers, Cairn Cross Civil Engineering, track pan has been designed to significantly reduce the risk of costly clean-up and regulatory fine situations. Track pan conforms to Network

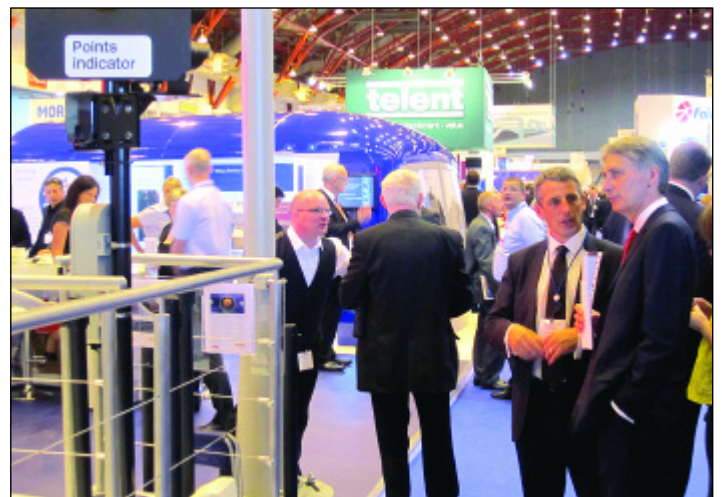
Rail environmental standards for use and installation at a wide range of locations where there is a risk of polluting the ground with chemicals, oil, diesel or contaminated water:

- Filling stations for diesel and gasoline.
- Graffiti and train wash stations.
- Loading stations for oil/chemicals.
- Terminus stations.

As a modular system, it is less expensive than traditional concrete and steel solutions and fits onto existing track without the need to lift or modify the infrastructure. The maintenance is minimal and it has a built-in drain to remove the need for pumping and manual drainage, saving time and money.

TPWS2

From April 2012, all new build rail vehicles in the UK will need to be fitted with new generation TPWS and the Unipart Rail solution was demonstrated with a simulator to show the effect of a SPAD and how the new voice system helps the driver to maintain train safety.



Farewell to Mark Southwell

Unipart Rail's Business Development Director David Kierton is pictured with Mark Southwell at the Institution of Railway Signalling Engineers' annual dinner which took place in London on 15th April. Having spent the last five years directing Atkins' major signalling projects activity in the UK, Mark is now Managing Director of Operational Services in Atkins' Highway and Transportation business. David presented Mark with a miniature four aspect signal in recognition of his outstanding contribution to signalling projects in the UK.

Pictured left to right are: David Kierton, Business Development Director, Unipart Rail; Tim O'Neill, Managing Director of Communications Systems, Atkins; Mark Southwell; Douglas McCormick, Managing Director of Atkins' Rail Business; Les Atkins, Project Manager, Atkins Rail; Phil Hickey, Head of Service Centre Sales, Unipart Rail and Fraser Greenwood, Evergreen 3 Project Director.

