



newsletter issue no.1

## Inside Track Online

February 2012

Welcome to the first online edition of this newsletter bringing you snippets of some of the things that have been happening within Rail Automation.

Please click on the items in the blue box below to jump to the areas of most interest or scroll through at your leisure.

If you have any feedback on this newsletter or would like further information on any of the content please contact us either by calling **01530 258257** or email by clicking [> here](#).



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- ✓ Successful charity bike ride from York to Ashby

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### ■ Project Spotlight: Stratford International Extension

#### Skanska and Siemens deliver critical link for DLR



In preparation for the expected increase in passenger numbers in 2012, the capital's transport network has undergone some vital upgrades. One major project is a new **£211m extension** of the Dockand's Light Railway (DLR) between Canning Town and Stratford International.

The 3.7 mile extension has four custom-built new stations, as well as three former North London line stations which have been converted. It provides a high frequency service running seven days a week, with **trains approximately every 8 minutes**.

Siemens was initially sub-contracted to install the SCADA power control system, but when the original provider of the station communications was unable to deliver, Siemens stepped in to help Skanska.

### Increasing scope

Siemens was originally asked to take responsibility of the Open Transport Network (OTN) design. But as Skanska realised the capabilities of the Siemens team, and the benefits of its long experience with DLR, Siemens was asked to develop an integration and commissioning strategy for the telecommunication system.

Having worked on similar projects for DLR over the last six years, Siemens used all its experience to ensure successful completion of its part of the new extension - with the Siemens team helping Skanska with design issues and test strategies as well as installing systems.

With Network Rail, London Underground and DLR all needing to be connected at Stratford International, there were complications with **integrating each network**. The complexity of the station also meant access could be difficult.

### Skilled and flexible

"Siemens had a good working relationship with DLR which enabled us to progress the project more easily than would otherwise have been the case." commented **Erik Twigt**, project manager at Skanska VolkerRail.

"Our scope grew as we demonstrated to Skanska we could sort out problems," comments **Ian Toplis**, project manager at Siemens. "Siemens was a reliable source of people and skills to make sure it all worked - we could provide the right people on site at short notice."

"Siemens has proven to be incredibly professional and flexible, and delivered the project in challenging circumstances - they were instrumental in enabling us to hit key stages to get the extension up and running," concludes Twigt. "From a project delivery point of view I have nothing but praise for Siemens and how they worked on this job."



## Product Highlight: Clearguard ACM 100 Axle Counting System

### Smart train detection for cost-effective rail services



Train detection is at the centre of rail automation. A train detection system determines whether a particular section of track is clear or occupied, thereby permitting **safe**, trouble-free and efficient operations.

Clearguard ACM 100 is a **modular and scalable** axle counter system made up of ACM modules and WSD wheel detectors, providing fail-safe axle counting for all types of electronic and relay interlockings.

### Applications

- Main and branch lines, **complex station** and points areas
- All types of traction
- All common wheel and rail profiles
- Track sections of **any length**
- Train speeds up to 280 mph

### System benefits

- Local or centralised evaluation
- Communication over copper or open networks (FTN)
- Single rail-mounted unit with **no 'mushroom'**
- Easy installation - wheel detector bolted or clamped to the rail
- Semi-automatic set up and calibration of wheel detector
- Maintenance-free ACM modules and only annual inspection of wheel detectors
- Local diagnostics via LEDs on ACM module
- Remote diagnostics from any location over the **internet or intranet** using standard web browser and secure integrated webpage

- No specialist tools for data configuration - uses secure integrated webpage accessed from any location over the internet or intranet using standard web browser

#### Intelligent diagnostics

The ability to communicate with the integral website (IP address) allows **remote diagnostics** via a network (Internet or Intranet) from any location, at any time. The integral website enables the current status information to be requested.

For further information please email you requirements by clicking > [here](#)



### ■ Contract Win: Cardiff Area Signalling Renewals (CASR)

#### Another cracking result for the telecoms team



CASR is a major, high profile project which will greatly increase throughput in the busy South Wales corridor by improving flexibility and allowing the use of longer trains. The project that commenced in October 2011 is due to complete in March 2015.

#### Scope

The Siemens contract involves design, installation, test and commissioning of lineside telephones and copper and fibre cable infrastructure including provision of signalling data circuits and **uplift** of FTN transmission. Siemens will also **upgrade** the HiPath concentrator at the South Wales Control Centre to support the new scheme; Siemens previously **installed** the concentrator in 2009.

#### Result

The tendering process was extremely competitive, particularly as one of the tenderers had already been selected to deliver the main signalling works. Winning this bid reflects the efforts of the hard working team in producing a **competitive** tender as well as building on the good reputation following the delivery of the Newport Area Signalling Renewal (**NASR**) project.



### ■ A Day in the Life Of...

#### Senior Bid Manager, Melanie Conboy



Melanie Conboy is Senior Bid Manager for Rail Automation. Previously based at Siemens in York, it only takes a few minutes conversation to realise that she isn't from those parts. Audibly a native from Newcastle, Melanie moved south and works from our Ashby de la Zouch office.

#### What does your job involve?

Producing competitive bids for the businesses that make up Rail Automation including Mobile and Fixed Communications, Control and Information (such as integrated station management) and Signalling.

#### What awaits you at work?

My typical day revolves around meetings. I come in with my plan for the day and aim to get it all done. I rely heavily on Outlook. I liaise with the bid team on the various bids we're working on to make sure we deliver a quality submission on time and in line with the client's specification. With multiple bids in process, things are particularly busy at present which is a good sign considering the financial climate.

### What do you do when the pressure's on?

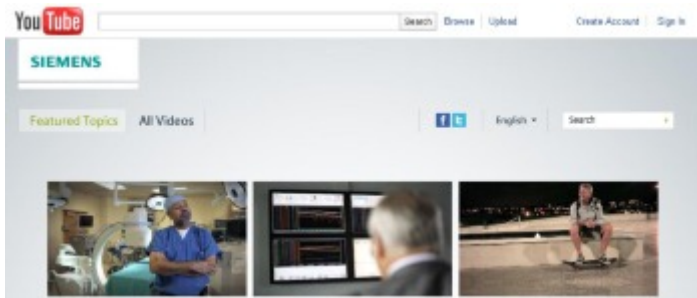
Going to the gym helps to cope with pressure, although sometimes taking 10 minutes to have a walk in the fresh air can also do wonders. Under pressure you have to stay positive and promote a 'can do' attitude. It is easy to be negative but keeping a good sense of humour helps keep the team going.

### How do you finish the day?

It is important for me to plan. The end of the day is a review of what has been achieved and the plan for what is needed the next day. My working day finishes at 7-ish and then I am 5 minutes away from home to read a story to my two boys before dinner and some time to unwind.

## Did you know?

### We are on youtube! Check out our channel



If a picture paints a thousand words, imagine the potential of a library of videos.

We have a **Siemens channel** on youtube full of clips that help answer some of the toughest questions facing modern business. On our channel you can explore the different areas in which Siemens is active today.

To access click [here](#).

## The road is long, with many a winding turn...

### Successful charity bike ride from York to Ashby



A team of eight from the Siemens office at Poppleton Road, York, set off on a gruelling 127 mile cycle ride to the Siemens Ashby de la Zouch office **in memory** of their former colleague, Peter Bell.

Peter unfortunately lost his battle with cancer in July 2010 and his family has chosen to support the Sir Bobby Robson Foundation. With that in mind, the team set about raising sponsorship which was boosted by Siemens as part of the **Caring Hands campaign**, supporting charities that have special meaning to employees.

Described by his colleagues as 'a happy-go-lucky Middlesbrough fan, always positive and optimistic and someone who took pride in his work', Peter worked as an installer after joining the company in 2005.

The team successfully completed the ride in good time and has raised over **£2000** for the charity to date. Pauline Buglass, head of fundraising for the charity commented: 'We are very grateful both to Peter's family for choosing to support the **Sir Bobby Robson Foundation** and to his colleagues for undertaking this physical challenge for us.'

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