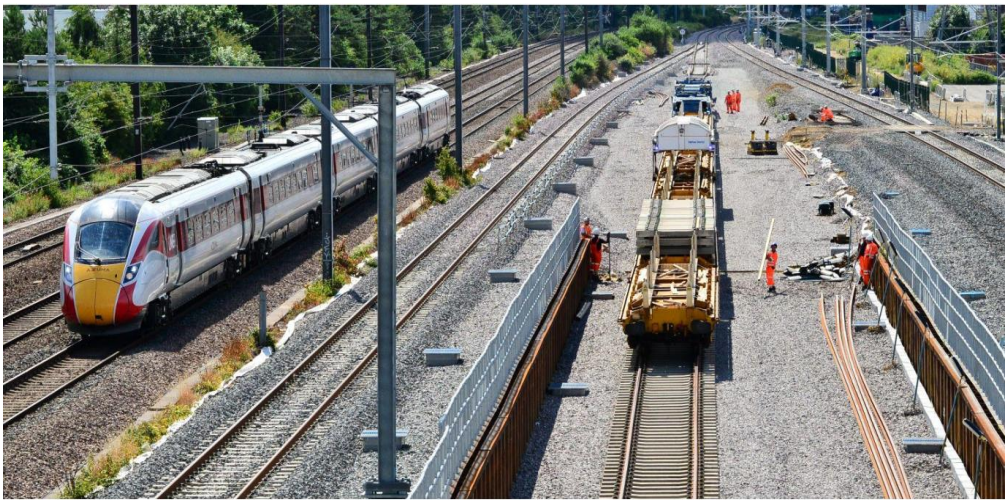
Institution of Mechanical Engineers
Railway Division
Milton Keynes Centre

The Rollout of ETCS To Network Rail Infrastructure



8th September 2022 – On line event (please see below for booking)
Talk starts at 17:30 and ends around 18:30

Description:

The ECML is vital to the economic prosperity of the UK. The digital transformation of the whole of the East Coast Mainline (ECML) is a key part of a national opportunity for modernisation of the UK rail network. The East Coast Digital Programme (ECDP) at circa £1.8bn is the first programme within this ECML transformation. Transformation will be achieved through the introduction of European Rail Traffic Management System (ERTMS) digital technologies to the Southern section of the East Coast Main Line. Seizing the opportunity presented by a significant signalling renewal work bank. This once in a generation alignment opportunity to upgrade its legacy signalling systems to unlock the opportunities presented by digital technologies to realise benefits. In its final configuration the ECML-S will operate as a Driver operated railway without lineside signals. The digital upgrade will implement the ETCS Baseline 3.6.0 applied in accordance with the UK National Digital Rail requirements in a no signals configuration. The programme is set up as an Industry Programme following a user lead approach to promote collaboration and buy-in across the industry partners. This presentation will consider some of the challenges faced by the programme and how the programme is set up to address these challenges.

About our speaker:

Paul Thomas has over 30 years of experience in the engineering management and delivery of railway systems on rail, light mass transit, and main line railway applications in the UK and international. Successful engineering management and technical leadership of large complex infrastructure rail programmes comprising of multi discipline projects. Experienced Systems Integration practitioner over full lifecycle of rail projects. Paul has extensive experience of automation projects in both brownfield and greenfield applications. Paul worked on the Copenhagen driverless metro one of the first driverless metros in the world. Paul's recent experience includes the Danish Signalling Programme, TfLs Sub-surface upgrade and Deep Tube programmes and phase 1 of the Copenhagen Future Rail Network project to convert the existing S-bane to driverless operation. Paul is the Technical Director for rail systems in Atkins and is currently leading the Engineering Management Office for the East Coast Digital Programme.

The Event is FREE and open to all!

http://nearyou.imeche.org/near-you/UK/Eastern/milton-keynes-rd-centre/Events
Booking for this event close on 7th September. Log-in details will be sent on morning of 8th September.
If these have not been received by 13:00 on 8th September, please email:
marco.baretta@networkrail.co.uk