

IMPROVING NEW TRAIN INTRODUCTION: CHALLENGES AND LESSONS LEARNED

Institution of
**MECHANICAL
ENGINEERS**

Railway Division
Seminar

4 November 2019
One Birdcage Walk, London

SEMINAR SPEAKERS INCLUDE:

Bill Reeve, Director of Rail
Transport Scotland

Brian Freemantle, Head of Rolling Stock Policy &
Contracts, Passenger Services, Rail Group
Department for Transport

Hugh O'Neill, Professional Head of Rolling Stock
Rail Safety and Standards Board

Peter Smyth, Chief Mechanical Engineer
Irish Rail

David Galloway, Professional Head of System
Compatibility
Network Rail



Book your place today: www.imeche.org/newtrains

SUPPORTING ORGANISATION:

 **Railway Industry
Association**
The voice of the UK rail supply community

EVENT PARTNERS:

 **RailMedia**

 **Railway Gazette
INTERNATIONAL**

 **railway-news.com**

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WITH OVER 7,000 NEW TRAINS DUE TO BE DELIVERED AND INTRODUCED TO THE UK RAIL SYSTEM BY 2021, IT IS CRITICAL THAT THE INDUSTRY IS FULLY PREPARED. OPERATORS, ROLLING STOCK COMPANIES AND MANUFACTURERS MUST WORK TOGETHER TO AVOID COSTLY DISRUPTIONS TO SERVICE, UPSET CUSTOMERS AND REGULATORY PENALTIES.

Join this seminar to better understand how you and your peers can align to ensure seamless introduction and timely provision of service. Benefit from case studies on each aspect of train introduction including from operators, manufacturers and owners of both passenger and freight vehicles. This knowledge will equip you to overcome the train, rail, depot and customer challenges associated with new assets.

You will also hear from key policy makers and regulators to understand expectations, benchmark your strategy, and ensure that you are fully compliant with the most relevant and up-to-date standards. Furthermore, the agenda will look forward to upcoming introductions and legislative changes to ensure you can take every possible step to ready your organisation for the future.

KEY PROGRAMME HIGHLIGHTS:

- **Govia Thameslink Railway** share lessons learned from the Class 700 introduction on the Thameslink routes
- **Network Rail** will explain how their Chief Engineer's Vehicle Introduction Forum can help ease the process of introducing new fleets
- **Greater Anglia** and **Irish Rail** discuss the non-technical issues associated with new train introduction
- **RSSB** provide an update on relevant upcoming legislative changes
- **Porterbrook** discuss their work on re-purposing trains displaced by new fleets

ATTEND THIS SEMINAR TO:

- Address challenges for each rail stakeholder as new trains are introduced, and old trains cascaded
- Join interactive discussions with other industry experts to express your views on the introduction of new trains
- Receive updates on the status of projects going ahead and future new train plans from companies directly involved in implementation
- Ask key questions specific to your project needs during the Q&A sessions following each presentation
- Meet and network with other industry experts during the event networking breaks

ORGANISING COMMITTEE:

Railway Division
Institution of Mechanical Engineers

MEMBERS CREDITS:

Martin Elliott, Chief Technical Officer,
Ricardo Rail

Martin Beable, Engineering Director,
Greater Anglia

Zena Dent, Project Manager,
West Midlands Railway

Robin Groth, Deputy Director, High Speed Two Interface,
Department for Transport

Hugh O'Neill, Professional Head of Rolling Stock,
RSSB

Rashid Wahidi, Professional Head of Traction and Rolling Stock,
Network Rail

BOOK YOUR PLACE ONLINE
WWW.IMECHE.ORG/NEWTRAINS

**TERMS AND
CONDITIONS
APPLY**

PROGRAMME

MONDAY, 4 NOVEMBER 2019	
09:00	REGISTRATION AND REFRESHMENTS
09:30	CHAIR'S OPENING REMARKS Martin Elliott, Chief Technical Officer, Ricardo Rail
09:35	MORNING KEYNOTE Bill Reeve, Director of Rail, Transport Scotland
LESSONS LEARNED FROM RECENT INTRODUCTIONS	
09:55	GOVIA THAMESLINK RAILWAY (GTR)/SIEMENS CLASS 700 INTRODUCTION Dave Hickson, Head of Engineering and Asset Management, Govia Thameslink Railway
10:15	CAF/CALEDONIAN SLEEPERS MK 5 COACHES Graham Taylor, Chief Operating Officer, CAF Rolling Stock UK Ltd Neville Dyson, Projects Director, CAF Rail UK
10:35	QUESTION AND ANSWER SESSION
11:10	NETWORKING REFRESHMENT BREAK
INFRASTRUCTURE COMPATIBILITY AND AUTHORISATION Chair: Zena Dent, Joint Project Manager (New Trains – Bombardier EMU), West Midlands Trains	
11:40	CHIEF ENGINEER'S VEHICLE INTRODUCTION FORUM Rashid Wahidi, Professional Head of Traction & Rolling Stock, Network Rail
12:00	RIS-8270 PROCESS Hugh O'Neil, Professional Head of Rolling Stock, Rail Safety and Standards Board David Galloway, Professional Head of System Compatibility, Network Rail
12:20	POWER SUPPLY CHALLENGES Alex Buchinger, Engineering Expert (Power Systems), Network Rail
12:40	WHEN IS A STANDARD NOT A STANDARD? Paul Hooper, Head of Interoperability and Rail Vehicles, Office of Rail and Road
13:00	QUESTION AND ANSWER SESSION
13:15	NETWORKING LUNCH
14:10	AFTERNOON KEYNOTE: THE VIEW FROM THE DEPARTMENT FOR TRANSPORT Brian Freemantle, Head of Rolling Stock Policy & Contracts, Rail Group, Passenger Services, Department for Transport
IT'S NOT JUST THE TRAIN Chair: Martin Beable, Engineering Director, Greater Anglia	
14:25	EXPERIENCES OF INTRODUCING NEW TRAINS Peter Smyth, Chief Mechanical Engineer, Irish Rail
14:45	NEW TRAINS – THE WIDER INDUSTRY VIEW Mark Molyneux, National Fleet Performance Manager, Rail Delivery Group
15:05	DEPOTS, STABLING AND DRIVER TRAINING Steve Mitchell, Project Manager, Greater Anglia
15:25	QUESTION AND ANSWER SESSION
15:35	NETWORKING REFRESHMENT BREAK
WHAT DOES THE FUTURE HOLD? Chair: Robin Groth, Deputy Director, High Speed Two Interface, Department for Transport	
16:00	CLASS 769 HYDRO-FLEX Helen Simpson, Innovation and Projects Director, Porterbrook
16:20	NEW TRAINS FOR DOCKLANDS Phil Shrapnell, Senior Project Engineer – Rolling Stock, Transport for London Andrew Dunsby, Senior Rolling Stock Engineer, Transport for London
16:40	LEGISLATIVE CHANGES Stefano Valentino, Regulatory and Policy Specialist, Rail Standards and Safety Board
17:00	QUESTION AND ANSWER SESSION
17:10	CHAIR'S CLOSING REMARKS
17:15	END OF SEMINAR

For the most up-to-date and detailed programme for the event, please visit www.imeche.org/newtrains

- This programme is subject to change.
- The Institution is not responsible for the views or opinions expressed by individual speakers.

HOW TO BOOK YOUR PLACE

FEES AND CHARGES

Registration fees include entry to the sessions, refreshments and a copy of the conference proceedings.

Seminar and Workshop	Standard Rate
Member, Institution of Mechanical Engineers / Supporting Organisation	£190 + VAT = £228
Non-member	£230 + VAT = £276
Full-time Student/Retired	£120 + VAT = £144

Group booking discounts are available. Contact us for more information.

THREE WAYS TO BOOK

- 1 Online:
www.imeche.org/newtrains
- 2 Email:
eventenquiries@imeche.org
- 3 Phone:
+44 (0)20 7973 1251

Please read the information listed below as each booking is subject to the Institution's standard terms and conditions.

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Completed application forms should be returned to the address above, along with the correct payment. Attendance at the event will be confirmed on receipt of the full balance. All participants are advised to bring a copy of their confirmation with them on the day, to ensure the fastest possible entry.

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Please inform us of any special requirements, ie dietary or access, on the relevant section of this form.

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LIABILITY

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CONFERENCE VENUE

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One Birdcage Walk
Westminster
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OTHER EVENTS TO LOOK FOR



YOUNG ENGINEERS AND APPRENTICES RAILWAY SEMINAR: DELIVERING A SUSTAINABLE RAILWAY

29–30 October 2019, Birmingham

Featuring a range of presentations from industry leaders, interactive workshops and invaluable networking activities, this event is the most intensive two days in the calendar for young railway engineers and apprentices.

www.imeche.org/years



DRIVER AND PILOT ALERTNESS: UNDERSTANDING HUMAN PERFORMANCE AND THE CONTRIBUTION OF AUTOMATION

5 December 2019, London

Driver/Pilot alertness is affected by many factors including the design of the task, work environment, rostering, fatigue, stimulation profile of the duty, distraction etc. This seminar will consider these issues, and what controls are currently available to mitigate the inherent risks and whether there are lessons to be learned between modes of transport or other operations.

www.imeche.org/humanfactors

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1 Birdcage Walk
Westminster
London
SW1H 9JJ

T +44 (0)20 7222 7899
www.imeche.org