

RAIL SUSTAINABILITY: PLANNING FOR THE FUTURE

Institution of
**MECHANICAL
ENGINEERS**

11 October 2016

Institution of Mechanical Engineers,
One Birdcage Walk, London

Seminar

Key Speakers Include:



Shaun McCarthy OBE, Chair,
Supply Chain Sustainability School



Richard East, Chief Engineer,
Atkins



John French, Director,
Transport Regeneration



Phil Dickson, Traction Energy Manager,
ScotRail



Neil Ridley, Director, UIS Programme,
Railway Industry Association



**EARLY BIRD
RATES AVAILABLE
OFFER ENDS 9 SEPTEMBER**

WWW.IMECHE.ORG/RAILSUSTAINABILITY

EVENT PARTNERS:



RAIL SUSTAINABILITY: PLANNING FOR THE FUTURE

11 October 2016, Institution of Mechanical Engineers, One Birdcage Walk, London

LEARN HOW BEING SUSTAINABLE CAN PRODUCE COST SAVINGS AND DELIVER REAL BUSINESS BENEFITS TO YOUR RAIL PROJECTS.

SAVE YOUR ORGANISATION MONEY WHILST IMPROVING ENVIRONMENTAL PERFORMANCE.

Rail Sustainability: Planning for the Future brings together experts from across the railway industry to address the cost to rail business operations of sustainability strategies.

You will hear first-hand experience from thought-leaders deploying and delivering practical sustainability initiatives within the railway sector that have tangible business benefits and will ultimately improve your bottom line.

Experts will highlight the advantages of adopting a sustainable approach and also demonstrate the new, exciting opportunities that will deliver future financial benefits.

BENEFITS OF ATTENDANCE:

- Hear from those who have directly implemented sustainability programmes throughout the railway network and are seeing the positive results
- Hear how business benefits and cost savings can be made
- Engage best practice methodologies from industry thought-leaders
- Witness live demonstrations of technology ready for implementation in your projects
- Interact and learn from like-minded professionals to understand how others have overcome challenges

KEY TOPICS COVERED:

- Focused tactical and strategic approaches to sustainability benefits used by **National Express Group**
- Practical insights for improving traction energy efficiency
- Translating the strategy into requirements for the Rolling Stock and Depot procurement from **Crossrail**
- The benefits of integrating weather prediction into your business plan with the **Met Office**
- Optimising maintenance and reducing operating costs of the Turbostar fleet with **Chiltern Railways**
- Unique insight into **Transport for London's** sustainability and business benefits through a focused approach
- Practical emerging technology application to current services

ORGANISING COMMITTEE:

- Stuart Hillmansen (Chair), Director of Postgraduate Taught Programmes, **University of Birmingham**
- Mark Gaynor, Head of Technical Strategy, Skills & Sustainability, **Department for Transport**
- Ian Papworth, Independent Consultant, **Ian Papworth & Associates Ltd.**

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PROGRAMME

11 OCTOBER 2016	
08:30	REGISTRATION AND REFRESHMENTS
09:00	CHAIR'S OPENING REMARKS
09:05	SUSTAINABILITY AND BUSINESS CAN BE MUTUALLY BENEFICIAL Shaun McCarthy OBE, Independent Advisor, Author and Speaker, Chair, Supply Chain Sustainability School
09:30	SUSTAINABILITY AND ENERGY RECOVERY Richard East, Chief Engineer, Atkins
	WHERE ARE WE NOW?
09:55	A FOCUSED TACTICAL AND STRATEGIC APPROACH TO SUSTAINABILITY BENEFITS Stuart Parker, Group Property & Environment Director, National Express Group
10:20	TRANSPORT FOR LONDON: SUSTAINABILITY AND BUSINESS BENEFITS OF A FOCUSED APPROACH Helen Woolston, Environment and Climate Change Co-ordinator, Transport for London
10:45	QUESTION AND ANSWER SESSION
10:55	NETWORKING REFRESHMENT BREAK
	PRACTICAL BEST PRACTICE
11:25	A SUSTAINABLE TRAIN FOR A SUSTAINABLE RAILWAY Phil Hinde, Principal Engineer, Rolling Stock and Depots, Crossrail
11:50	IMPROVING RAIL TRACTION ENERGY EFFICIENCY Phil Dickson, Traction Energy Manager, ScotRail
12:15	SUSTAINABILITY AND THE BEST VALUE FOR MONEY TURBOSTAR Simon Jarrett, Head of Technical Services, Chiltern Railways
12:40	QUESTION AND ANSWER SESSION
12:50	NETWORKING LUNCH
	PRACTICAL CONSIDERATIONS
13:50	DEVELOPING PARTNERSHIPS FOR INVESTMENT John French, Director, Transport Regeneration
14:15	WEATHER PREDICTION AND THE BENEFITS OF INTEGRATION INTO YOUR BUSINESS PLAN Dr Victoria Chapman, Scientific Manager in the Surface Transport Group, Met Office and Dr Erika Palin, Manager of the Science for Impacts, Resilience & Adaptation Group, Met Office
14:40	SUSTAINABILITY: BEST PRACTICE AND NEW TECHNOLOGY READY FOR IMPLEMENTATION Anthony Perret, Head of Sustainable Development Programme, RSSB
15:05	QUESTION AND ANSWER SESSION
15:15	NETWORKING REFRESHMENT BREAK
	PRACTICAL CONSIDERATIONS TECHNOLOGY
15:45	AN OVERVIEW PERSPECTIVE: TECHNOLOGY AND INNOVATION HOT SPOTS Neil Ridley, Director, UIS Programme, Railway Industry Association Each 'turbo brief' presentation will be 10 to 15 minutes long from four companies, whose innovations have significant potential for rapid deployment and subsequent business benefits. Key themes will include: <ul style="list-style-type: none"> • Innovation and implementation should be a key business driver • Unlocking Innovation Scheme supports the industry to overcome the barriers to innovation • Sustainability innovation is good for business
16:50	QUESTION AND ANSWER SESSION
17:00	CHAIR'S CLOSING REMARKS
	END OF SEMINAR

To find out more about our speakers, please visit www.imeche.org/railsustainability

- 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 selected presentations.

Delegate Type	Early Bird Rate Available until 9 September 2016	Standard Rate
Member, IMechE/Supporting Organisation	£269 + VAT	£299 + VAT
Non-Member	£369 + VAT	£399 + VAT
Student/Retired	£99 + VAT	£99 + VAT

THREE WAYS TO BOOK

- 1 Online:
www.imeche.org/railsustainability
- 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.

CONDITIONS OF BOOKING

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.

SPECIAL REQUIREMENTS

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

CANCELLATION

For a refund (minus £25+VAT admin charge), cancellations must be received at least 30 days prior to the event. Replacement delegates are welcome at any time. The Institution reserves the right to cancel any event. In this case, the full fee will be refunded unless a mutually convenient transfer can be arranged. In the event that the Institution postpones an event for any reason and the delegate is unable or unwilling to attend on the rescheduled date, they will receive a full refund of the fee paid. The Institution is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an

event. The Institution shall assume no liability whatsoever if this event is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable, illegal or impossible. For the purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergency. Please note that while speakers and topics were confirmed at the time of publishing, circumstances beyond the control of the organisers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. The Institution reserves the right to alter or modify the advertised speakers and/or topics if necessary without any liability to you whatsoever. Any substitutions or alterations will be updated on the event's webpage as soon as possible.

LIABILITY

The organisers do not accept liability for any injuries or losses of any nature incurred by delegates and/or accompanying persons, nor for loss or damage to their luggage and/or personal belongings.

CONFERENCE VENUE

Institution of Mechanical Engineers, One Birdcage Walk, London. SW1H 9JJ

ACCOMMODATION

The IMechE has secured discounted rates at local hotels, providing speakers and delegates the chance to stay in the area during the event.

Find out more and book your discounted hotel:
www.corporateteam.com/Events/8488rss

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OTHER EVENTS TO LOOK FOR



HIGH SPEED RAIL TECHNOLOGIES

26 September 2016
Institution of Mechanical Engineers, London

Supported by the National Rail Museum, this seminar will look at the 40-year history of high speed rail and how to plan the future infrastructure.

www.imeche.org/highspeedrail



INTERNATIONAL RAIL ACCIDENT INVESTIGATION CONFERENCE

15-16 November 2016
Institution of Mechanical Engineers, London

Update your knowledge and best practices of accident investigation through two days of international, industry-led lectures, workshops, training modules and open discussion forums.

www.imeche.org/railinvestigation

The Institution of Mechanical Engineers organise over 120 events a year, including free to attend lectures as well as conferences, seminars, annual luncheons and dinners. Please visit www.imeche.org/events for the complete list of events.

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 twitter.com/imecheevents

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PE

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Institution of MECHANICAL ENGINEERS

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