

CRANE SAFETY 2016: ENGINEERING SOLUTIONS FOR MECHANICAL CHALLENGES IN CONSTRUCTION PROJECTS

Institution of
**MECHANICAL
ENGINEERS**

28 September 2016
etc.venues The Hatton,
London

Knowledge Transfer
Seminar

KEY SPEAKERS INCLUDE:



Jamie Davies, H M Principal Specialist
Inspector (Mechanical Engineering),
Health and Safety Executive



Adrian Thomson, Associate Director,
Mace Group



Stíofán O'Brien, Project Appointed Person
(Lifting Operations),
Ferrovial Agroman Laing O'Rourke



Mark Blundy, Group Health and Safety Director,
Bowmer and Kirkland



Tim Watson, Technical Specialist,
Construction Plant-hire Association



Brendan Forbes, Head of Engineering,
Sparrows Group



EVENT PARTNER:

Vertikal
.net

Book your pass at
www.imeche.org/cranesafety2016

WHY ATTEND CRANE SAFETY 2016

28 September 2016, London



CRANE FAILURE CAN BE COSTLY WITH POTENTIAL FOR SERIOUS OR FATAL CONSEQUENCES. THOSE WITH RELATED INTEREST, RESPONSIBILITY AND DUTY WILL BY ATTENDING THIS EVENT EXTEND THEIR KNOWLEDGE AND UNDERSTANDING OF THE CHALLENGES INVOLVED

Vaughan Cole, former HSE, H M Principal Specialist Inspector, Mechanical Engineering

Crane Safety 2016 will combine thought-provoking presentations, insights and lessons from case studies of actual construction projects. Learn from panel discussions that will address the challenges of risk and incident reduction, cost savings and complying with the latest safety legislation.

This one day seminar is an essential forum for all crane operators, construction companies and regulators to hear contributions from regulators, strategies from main contractors and technical insights from engineering thought leaders. Discuss and explore all the practical issues being faced in major construction projects and identify methods to overcome them.

Key Topics Include:

- How to comply with the **latest crane safety regulations** for crane operators and main contractors
- The **legal obligations** of contractors, clients and other parties
- Innovative lifting strategies used in major construction projects, including case studies from **Mace Group**, **Ferrovial Agroman Laing O'Rourke** and **Keltbray Group**
- The ongoing challenge of balancing cost savings and maintaining safety
- Successful strategies for risk reduction

Who Should Attend?

Construction industry professionals involved in lifting strategies and crane management will benefit from this seminar. Specifically, all Heads, Directors, Managers and Engineers who are involved in the following areas are strongly recommended to attend and benefit from Crane Safety 2016:

- Operations
- Project Management
- Capitalised Management
- Lifting
- Development
- Safety
- Risk

With thanks to:

Safety and Reliability Group, Structural Technology and Materials Group, and Construction and Building Services Division, The Institution of Mechanical Engineers

Attend Crane Safety 2016 to:

- **Understand** what is expected from crane operators, with direct insights from the **Health and Safety Executive**
- **Hear** best practice in the use of tower cranes, with insights from **Mace Group** from the construction of The Shard
- **Learn** from **Sparrows Group** in balancing maintenance savings with operational risk in an offshore environment and the lessons for onshore construction
- **Benefit** from insights on current and future projects, including the **Northern Line** Extension carried out by **Ferrovial Agroman Laing O'Rourke**
- **Identify** the role of maintenance in ensuring compliance and lowering cost, including insights from the **Construction Plant-hire Association**
- **Review** and enhance your organisation's crane maintenance and operating practices
- **Network** with senior industry professionals and share key findings raised at the seminar

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AND SAVE
UP TO 10%**

WWW.IMECHE.ORG/CRANESAFETY2016

PROGRAMME

28 SEPTEMBER 2016

08:30 REGISTRATION AND REFRESHMENTS

09:00 CHAIR'S OPENING REMARKS
Vaughan Cole, Former HM Principal Specialist Inspector of Health and Safety (Mechanical Engineering), Health and Safety Executive
and Simon Quinn, Director of the Research Institute for Industry (RII), University of Southampton

KEYNOTE 9:10 THE HEALTH AND SAFETY EXECUTIVE ON THE SAFE USE OF CRANES ON CONSTRUCTION SITES
Jamie Davies, HM Principal Specialist Inspector (Mechanical Engineering), Health and Safety Executive

9:40 THE CHALLENGES FACING ENGINEERS: THE LEGAL IMPLICATIONS AND TECHNICAL REQUIREMENTS
Mike Ponsonby, Managing Director, Michael J Ponsonby Ltd

10:10 Q&A SESSION

10:20 NETWORKING REFRESHMENT BREAK

CLIENT STRATEGIES AND REQUIREMENTS

10:50 ADAPTING TO NEW ENGINEERING CHALLENGES IN THE CONSTRUCTION OF THE SHARD
Adrian Thomson, Associate Director, Mace Group

11:20 INSIGHT INTO A CONTRACTOR'S PERSPECTIVE ON TOWER CRANE SAFETY
Mark Blundy, Group Health and Safety Director, Bowmer and Kirkland

11:50 Q&A SESSION

12:00 PANEL DISCUSSION: STRATEGIES FOR REDUCING RISK IN MAJOR PROJECTS
Mike Ponsonby, Managing Director, Michael J Ponsonby Ltd
Steven Leyton, Group Lifting Operations Manager, Keltbray Group

12:30 NETWORKING LUNCH

MAINTENANCE AND FOUNDATIONS ESSENTIALS

13:30 OFFSHORE CRANE INTEGRITY IN A LOW COST ENVIRONMENT
Brendan Forbes, Head of Engineering, Sparrows Group

14:00 CRANE MAINTENANCE: A LUXURY OR NECESSITY?
Tim Watson, Technical Specialist, Construction Plant-hire Association

14:30 SAFER CRANE FOUNDATIONS: EFFECTIVE INTERFACE BETWEEN MECHANICAL AND CIVIL ENGINEERS
Stuart Marchand, Managing Director, Wentworth House Partnership

15:00 Q&A SESSION

15:15 NETWORKING REFRESHMENT BREAK

CASE STUDIES FROM MULTIPLE INDUSTRIES

15:45 LIFTING OPERATIONS ON THE NORTHERN LINE EXTENSION DEVELOPMENT
Stíofán O'Brien, Project Appointed Person (Lifting Operations), Ferrovial Agroman
Laing O'Rourke

16:15 TACTICAL LIFTING IN A DEMOLITION ENVIRONMENT
Steven Leyton, Group Lifting Operations Manager, Keltbray Group

16:45 Q&A SESSION

16:55 PANEL DISCUSSION: APPROACHES TO REDUCING COST WHILST ENSURING SAFETY
Steven Leyton, Group Lifting Operations Manager, Keltbray Group
Brendan Forbes, Head of Engineering, Sparrows Group
Tim Watson, Technical Specialist, Construction Plant-hire Association

17:25 CHAIR'S CLOSING REMARKS

17:35 END OF SEMINAR

Find out more about our speakers, please visit www.imeche.org/cranesafety2016

- 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 29 July	Standard Rate
Member	£270 + VAT	£300 + VAT
Member of Supporting Organisation	£270 + VAT	£300 + VAT
Non-Member	£315 + VAT	£350 + VAT
Student/Retired	£95 + VAT	£99 + VAT

THREE WAYS TO BOOK

- 1 Online:
www.imeche.org/cranesafety2016
- 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.

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.

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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.

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HUMAN FACTORS IN TRANSPORT FORUM

**15 September 2016, One Birdcage Walk,
London**

Discover the technical challenges in considering human factors at various stages of engineering to ensure the safety and performance of their vehicles.

www.imeche.org/humanfactors



THE INSTITUTION OF MECHANICAL ENGINEERS' ANNUAL DINNER

**17 November 2016, The Dorchester,
London**

The Institution's Annual Dinner will be returning to The Dorchester Thursday 17 November 2016, to celebrate the engineering profession with keynote address from The Rt Hon Patrick McLoughlin.

www.imeche.org/annualdinner2016

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