

MANAGING COMPLIANCE IN SOLIDS HANDLING AND PROCESSING: AN OVERVIEW OF REGULATORY LEGISLATION.

Institution of
**MECHANICAL
ENGINEERS**

Process Industries Division
Seminar

13 November 2012
London

www.imeche.org/events/S1702



WHY YOU SHOULD BE THERE

Working in the process industry is a minefield of legalities and regulation. Frequent legislative change means you need to stay bang-up-to-date on the rulebook in order to maintain compliance.

This comprehensive guide to process compliance enables you and your company to maintain awareness of current compliance requirements within your company, and gain the guidance to ensure plants, businesses and individuals are operating within the law.

The seminar will discuss the following legislation:

- Environmental permitting regulations (IPPC)
- ATEX
- Dangerous Substances and Explosive Atmospheres Regulations (DSEAR)
- Safety Integrity Level (SIL)
- Local exhaust ventilation (LEV)
- COSHH
- CE Marking
- Materials in contact with food
- Pressure Equipment Directive
- Silo Euro Code

BENEFITS OF ATTENDANCE:

- Increase awareness of compliance requirements for your business
- Gain an overview of a wide range of legislation
- Identify quickly what is relevant to you and where to find information
- Adopt a forward thinking role in maintaining compliance
- Be proactive at finding legislation that needs to be complied with in your industry
- Maintain awareness of current compliance issues

WHEN

13 November 2012

WHERE

One Birdcage Walk, Westminster, London SW1H 9JJ

BOOK ONLINE

www.imeche.org/events/S1702

SUPPORTING ORGANISATIONS



THE WOLFSON CENTRE
for Bulk Solids Handling Technology
at The University of Greenwich



MEDIA PARTNERS



industry-reporter.com



SPONSORSHIP & EXHIBITION OPPORTUNITIES

GET INVOLVED

Attending this event as either an exhibitor or sponsor will give you the opportunity to display your solutions, services and products to the right people at the right time.

This is an excellent way to enhance your company profile and communicate effectively to your target audience.

BENEFITS OF SPONSORING

- Plant yourself firmly in the minds of key decision-makers
- Cross many markets and broaden your international appeal
- Be associated with industry-wide publicity
- Enjoy well-targeted networking opportunities
- Have your company logo and URL featured on our website

For sponsorship and exhibition enquiries, please contact **Aman Duggal** on +44 (0)20 7973 1309 or email sponsorship@imeche.org

SPEAKERS AND CONTRIBUTORS



DAVID FIRTH

BUSINESS DEVELOPMENT AND MARKETING MANAGER, CHILWORTH TECHNOLOGY

David covers all areas of process safety within his role at Chilworth and has over 20 years of experience working with customers in many industries including pharmaceuticals, chemicals, paint, polymers, adhesives, electronics, fuel additives and synthetic fibres.



JOHN WHITEHEAD

GENERAL SECRETARY, SOLIDS HANDLING AND PROCESSING ASSOCIATION (SHAPA) AND STEERING COMMITTEE MEMBER, INSTITUTE OF LOCAL EXHAUST VENTILATION ENGINEERS

John spent 27 years with leading LEV company DCE, now part of Donaldson Filtration. John held technical and product development roles before becoming DCE UK MD in 1994. He has been General Secretary of SHAPA since 2001.



MIKE BRADLEY

DIRECTOR, WOLFSON CENTRE FOR BULK SOLIDS HANDLING TECHNOLOGY, UNIVERSITY OF GREENWICH

Mike is Chair of SHAPA's Technical Committee and his particular area of interest lies in pneumatic conveying, design of hoppers and silos, dust control, plant integration and maintenance of product quality.

PROGRAMME

WELCOME
TUESDAY
13/11

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|--------------|--|
| 9:30 | REGISTRATION AND REFRESHMENTS |
| 10:00 | CHAIRMAN'S WELCOME AND INTRODUCTION |
| 10:05 | ATEX: DESIGN CONSIDERATIONS FOR USE WITHIN HAZARDOUS AREAS (DUST)
Richard Antram, HazLoc Engineer, Intertek <ul style="list-style-type: none"> • Why consider safety requirements? • What to consider during the design phase? |
| 10:35 | ENVIRONMENTAL LEGISLATION CHANGES
Paul Stevens, Cement, Lime and Minerals Technical Adviser, The Environment Agency <ul style="list-style-type: none"> • Introducing the Industrial Emissions Directive (IED) • Permitting materials handling processes • What compliance inspectors look for |
| 11:05 | INTRODUCTION TO FUNCTIONAL SAFETY AND SIL* DETERMINATION
David Firth, Business Development and Marketing Manager Explosion and Process Safety, Chilworth Technology <ul style="list-style-type: none"> • What is functional safety and how does it relate to safety integrity levels? • Hazard and risk analysis • Practical techniques for SIL determination • Tolerable risk and risk reduction; independent layers of protection and ALARP* |

11:35 REFRESHMENTS

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|--------------|--|
| 12:00 | BEST PRACTICE FOR LOCAL EXHAUST VENTILATION (LEV) FOR CONTROLLING AIRBORNE CONTAMINANTS IN THE WORKPLACE
John Whitehead, General Secretary, Solids Handling and Processing Association (SHAPA) and Steering Committee Member, Institute of Local Exhaust Ventilation Engineers <ul style="list-style-type: none"> • The importance of good control of airborne workplace dust and fume and implications of poor control • Introduction to the HSE guidance (HSG258) • Key elements of LEV system design |
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| 12:30 | COSHH*: A PRACTICAL GUIDE
Laura Martin, Environmental Services Technical Manager, Bradley Environmental <ul style="list-style-type: none"> • Legislative framework • Basics of compliance • Practical action guidance |
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13:00 LUNCH BREAK

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|--------------|---|
| 14:00 | CE MARKING UNDER THE MACHINERY, LOW VOLTAGE AND EMC DIRECTIVES
Mike Foster, Managing Director, CE Marking Association <ul style="list-style-type: none"> • The CE marking: what's new and the process for self-conformity • Examining the machinery, low voltage and EMC directives • Sources of knowledge, advice and support |
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| 14:30 | RUBBER IN FOOD CONTACT APPLICATIONS
Paul Marchant, Development Scientist, ARTIS <ul style="list-style-type: none"> • EU/USA legislation on the use of rubber in food contact applications • Rules and limitations of this legislation • Challenges facing the future of rubber in food contact |
|--------------|---|

15:00 REFRESHMENTS

SPEAKERS AND CONTRIBUTORS



MIKE FOSTER

MANAGING DIRECTOR,
CE MARKING ASSOCIATION

Mike has over 30 years' experience within engineering and is a Chartered electronics engineer and mathematician. Mike is responsible for the business' success in transferring knowledge of product compliance to the manufacturing industry, operational and strategic level.



MILES GARDNER

PRINCIPAL ENGINEER (PRESSURE
SYSTEMS), ZURICH ENGINEERING

Miles began his career in 1986 at I Websters and Son, a manufacturer of stainless steel heat exchangers and pressure vessels. He held various positions in the inspection and engineering departments. Since 1990, he has worked in the inspection industry where he has been involved in pressure equipment, new construction certification and in-service inspection.



RICHARD ANTRAM

HAZLOC ENGINEER, INTERTEK

Richard has two years' experience in hazardous area certification, specialising in intrinsic safety and aircraft testing.

PROGRAMME (CONTINUED)

15:30 APPLICATION OF THE PED* AND PSSR* TO NEW INSTALLATIONS
Miles Gardner, Principal Engineer (Pressure Systems), Zurich Engineering

- Scope and application of the PED
- Scope and application of the PSSR
- How the PED and PSSR interact

15:55 SILO DESIGN AND THE LATEST EURO CODE
Mike Bradley, Director, Wolfson Centre for Bulk Solids Handling Technology

- Silos experience the highest incidence of mechanical failure of any man-made structures
- Predicting forces on silos has historically been difficult
- The new Euro Code EN1991-4 is a great step forward in improving load prediction
- Application of the code to protect against dangers to personnel and property from silo failures

16:30 CHAIRMAN'S CLOSING REMARKS

16:40 CLOSE

SIL
ALARP
COSHH
PED
PSSR

* Acronyms explained

Safety integrity level
As low as reasonably practicable/ possible
Control of substances hazardous to health
Pressure equipment directive
Pressure system safety regulations

Find out more about our speakers at www.imeche.org/events/S1702

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

Process Industries Division Organising committee:

Nigel Mainwaring, Russell Finex Ltd

Michael Bradley, The Wolfson Centre for Bulk Solids Handling Technology

John Whitehead, Solids Handling and Processing Association (SHAPA)

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OTHER EVENTS TO LOOK FOR:

17-18 October 2012, London

CARBON CAPTURE AND STORAGE: READY, STEADY, GO!

The Institution's 6th international CCS event will give you an invaluable overview of CCS industry developments, at a time when the procurement of the UK's first fullscale, full chain, CCS project is rapidly progressing, with £1bn of state funding plus a feed-in-tariff on the price of electricity generated by CCS installed plant.

www.imeche.org/events/S1660

If you're interested in any of these events, please contact **Anissa Bensahih** on +44 (0)20 7304 6966 or email process@imeche.org

19 March 2013, Aberdeen

AGEING AND LIFE EXTENSION OF OFFSHORE INSTALLATIONS POST KP4.

Offshore integrity and safety is a key issue. This seminar is roughly timed to coincide with new regulations. Get an update on how managing Ageing Offshore Assets has progressed since the introduction of KP4 and how the challenges presented are being met. Review how legislation and regulation is changing in offshore regions. Hear directly from key industry experts on their conclusions and priorities.

Keynote Presentation: Andrew Duncan, HSE Offshore Division - Manager, Ageing & Life Extension Programme, HSE.

www.imeche.org/events/S1700

February 2014, Kolkata, India

BULK SOLIDS HANDLING: TECHNOLOGY AND DEVELOPMENT FOR THE 21ST CENTURY.

Gain comprehensive insights into the leading-edge technology used to handle bulk materials such as mined ores, stone and coal. Enhance your knowledge of industry best practice and regulatory requirements to help you stay ahead in this competitive market.

www.imeche.org/events/C1374

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JOURNALS

Professional Engineering Publishing is the publisher for the Institution of Mechanical Engineers. For more information about our magazines, journals and conference proceedings, visit www.uk.sagepub.com/imeche

You may be interested in:

Journal of Process Mechanical Engineering (proceedings of the Institution of Mechanical Engineers, part E).

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MEMBERSHIP

Whether you're a student, apprentice, graduate, qualified engineer or just have an interest in engineering, Institution membership offers the highest professional prestige.

Professional registration is a valuable investment for any engineer who is serious about their career.

Find out which level you're best suited for at

www.imeche.org/membership or email us on membership@imeche.org.

GET INVOLVED

Whether you're new to the profession or well established, volunteering is a great way to gain new skills, knowledge and experience.

As an Ambassador you have the chance to represent your profession and give something back to the engineering community as well as inspiring the next generation.

See www.imeche.org/volunteering

for more information or go to

<http://nearyou.imeche.org> to find engineering events hosted by volunteers in your area.

BOOKING FORM

PROCESS INDUSTRIES DIVISION
**MANAGING COMPLIANCE IN SOLIDS
HANDLING AND PROCESSING:
AN OVERVIEW OF REGULATORY LEGISLATION**
13 NOVEMBER 2012
S1702

REGISTRATION Please complete in capitals.

Family Name	Title (Mr, Mrs, Miss)
First Name	Job Title
Membership No	Institution
Name of Organisation (for name badge)	
Address for correspondence	
Town/City	
Postcode	
Contact Telephone	
Email	
Do you have any special requirements?	
How did you hear about this event? <input type="checkbox"/> Direct mail <input type="checkbox"/> Website <input type="checkbox"/> Colleague <input type="checkbox"/> Other	

FEES AND CHARGES Please complete the appropriate box.

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

1 DAY RATE	Fee	VAT	Total	£
Member, Institution of Mechanical Engineers	£260.00	£52.00	£312.00	_____
Member, supporting organisation	£260.00	£52.00	£312.00	_____
Non-member	£310.00	£62.00	£372.00	_____
Student / Retired Member	£80.00	£16.00	£96.00	_____

EXTRA ITEMS	Fee	VAT	Total	£
Invoice Charging (if applicable)	£10.00	£2.00	£12.00	_____
			Total	_____

PAYMENT DETAILS

Payment must accompany this registration form. Registration will be confirmed only on receipt of full payment.

Please indicate method of payment: Cheque Credit Card BACS Invoice (see below)

Cheques should be made payable to IMechE and crossed. Please note international delegates may pay only by credit card, BACS or banker's draft. A copy of the draft must accompany this form. It is the delegate's responsibility to pay any bank charges.

Credit Card: Visa MasterCard (please note we cannot accept American Express, Diners Club or Maestro)

Card No	Valid From	/	Expiry Date	/
Name of Cardholder				
Billing Address of Cardholder (if different from above)				
	Postcode			
Amount to be Deducted	Signature			

INVOICE DETAILS (UK DELEGATES ONLY)

Delegates wishing to be invoiced must provide an order number. If your company does not use order numbers please include a formal request for invoicing on your company's letterhead. A charge of £10 +VAT will be made to cover additional administration costs. Invoices are payable on receipt and no alterations to these terms will be accepted.

Order No	
Contact Name	
Name and Address for Invoicing	
	Postcode
Tel	Fax

BACS bank transfers can be made to: **IMechE Current Account, NatWest Charing Cross Branch.**

Sort code: **60-40-05** Acc No: **00817767**

Swift Code: **NWBKGB2L**

A copy of the draft must accompany this form.

IBAN Code: **GB96NWBK60400500817767**

For added convenience you can also book online at: www.imeche.org/events/S1702

Please complete and return this form to:

EVENT REGISTRATIONS

Institution of Mechanical Engineers
1 Birdcage Walk, London SW1H 9JJ

Fax +44 (0)20 7222 9881

For registration enquiries call

Tina Churcher on +44 (0)20 7973 1258
or email t_churcher@imeche.org

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 14 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 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. As such, 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.

SUPPORTING ORGANISATIONS

Members of supporting organisations can register at members' rates. See page 2.

VENUE

This event will be held at One Birdcage Walk, Westminster, London SW1H 9JJ

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.

ACCOMMODATION

We have arranged special discounted rates at local hotels via The Corporate Team.
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ENQUIRIES

For event enquiries, please contact
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or email a_bensahih@imeche.org

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