Hazard Ex

IN THE REGIONS

PROGRAMME TIMETABLE

08.30 - 09.15 for 09:30 start
Coffee & Registration

09.30 - 09.35
Opening Remarks

09.35 - 09.55
Explosive atmospheres – the European experience
Paul Gay, Editor HazardEx The Journal and Hazardous Area International

What is an explosive atmosphere?
What industries are affected?
Flammable gases
Vapours
Dusts

The ATEX directives
Product directive 95
User directive 137

The regulations that apply in the Europe and how they are enforced

International standards IECEx

The cost of failure
Piper Alpha
Buncefield

Follow best practice that has grown from Europe
HSE ACOPs
Certification bodies for compliance training
DTI for product specifications

09.55 – 10:30
The need for competent personnel
Sira Certification Service
The Dangerous Substances & Explosive Atmosphere Regulations (DSEAR) states:

> *"Before a workplace containing places classified as hazardous is used for the first time, the employer shall ensure that its overall explosion safety is verified by a person who is competent in the field of explosion protection as a result of his experience, or any professional training, or both."*

In an industry where safety of personnel, equipment and the surrounding environment is of paramount importance, it is essential not only to ensure that your equipment and plant conforms to the relevant standards and codes of practice, but also to make sure that the people working in these areas are competent enough to carry out their respective tasks.

Sira Certification Service has launched a Competence Professional providing all relevant personnel who pass the assessment with a UKAS accredited Competence Certificate.

This presentation is designed to give both individuals and organisations an insight into ensuring that they have not only qualified but competent staff and subcontractors through the use of worked examples related to the first nationally recognised competence scheme.

10.30 - 11.05

A Mechanical Viewpoint of ATEX

Protego

Flame Arresters are defined as Protective Systems under ATEX. They are now subject to Type Approval by Notified Bodies and the new European Standard; EN12874 has major implications for both manufacturers and users of the devices. This paper will look at the correct selection of flame arresters for a variety of applications and how to avoid dangerous misapplications of devices. The importance of live field testing to evaluate specific hazards will be reviewed.

11.05 - 11.10

Questions & Answers

11.10 - 11.40

Refreshment Break & Stand Viewing

11.40 - 12.15

Risk Control of Mitigation Measures against Arc Flash Incidents

TAS Engineering Consultants

For HazardEx in the Regions 07, TAS will present case studies and lessons learnt from their Safety & Compliance division's Arc Flash Services. Working through three client case studies highlighting the methods for prevention, lessons learnt from fatal incidents and providing detailed methodology for Safety & Compliance Managers to help reduce future risk to their infrastructure.

John Maplesden, Managing Director of TAS Engineering has over 30 years' worth of experience and will provide an unbiased knowledge based approach to the presentation on Arc Flash

12.15 - 12.55

Induction vs Fluorescent Technology

Peter Heyse, STL International

Comparing luminaires and their light sources is always fraught with difficulty. You might think that comparing the light output and distribution of a luminaire would be straightforward, but one type might be more suitable for an application and not for another. What about the lifespan of your lighting fittings? Are you comparing the lifespan of the bulbs or should you in fact compare the lifespan of the combined components making up the luminaire. It would of course be very attractive if you were able to source a long-life light bulb, reducing much of your maintenance costs, only to find that the other components such as ballasts etc. are inferior and require replacing sooner than the lamp. The question you need to ask yourself is

'Am I going to spend money on a scaffold to replace a faulty component in the luminaire but leave the long-life lamps, only to do the same again, maybe shortly afterwards, to replace the lamps?' Comparing luminaires becomes even more of a problem when looking at completely different technologies.

12.55 - 1.30

A Sensible Approach to the Maintenance of Ex Certified Equipment

Integrity & Compliance Management

This presentation offers a practical and sensible approach to the ongoing maintenance of Ex certified equipment. It will demonstrate how to design a cost effective, risk based inspection strategy that will make best use of both available funding and maintenance personnel. Working through a practical example that considers the factors affecting equipment degradation, the presentation will show the value of introducing a risk based strategy, using a suitable combination of inspection grade, frequency and sampling process.

1.30 – 15:00

Lunch & Stand Viewing

Please note that the Organisers reserve the right to amend the programme, if unforeseen circumstances occur