WORKSHOP

Human reliability analysis
A one day interactive workshop for people leading or participating in human reliability analysis at high hazard sites.

23rd October 2020 - Teesside, ABB Office
Human reliability analysis workshop

A one day interactive workshop for people leading or participating in human reliability analysis at high hazard sites.

The workshop uses real world hazard studies, process descriptions, equipment photos and operating procedures. The delegates take these through the steps of:

- Identification and management of safety critical tasks
- Hierarchical task analysis
- Human reliability analysis
- Consideration of performance influencing factors
- Key competency identification
- Hierarchy of control review
- Demonstration of ‘ALARP’

The roles of operators and managers are played by ABB personnel allowing delegates the experience of eliciting ‘real world’ operating history and practice. Specimen answers are discussed and critiqued by the group. The process is software driven and PCs and software will be provided for the duration of the workshop. The workshop is led by an experienced Chartered Human Factors Specialist.

Price
£650 + VAT

Who should attend?
- Those attending the “ABB 3 day Human Factors in the Workplace course”, for whom it will provide an ideal opportunity to apply and consolidate the knowledge gained on the course
- Previous attendees of the above course, or any other similar course, wishing to develop their knowledge
- Those working in the field of human factors and human reliability, especially in the process and related industries, and wishing to gain further insights and CPD
- The workshop assumes that all delegates have some basic knowledge of the topics covered as the focus is on application of practical techniques to an example situation

Workshop facilitators
Sarah Harrison (FIChemE) is a Process Safety Consultant with ABB. She has worked for ABB for 6 years, in both process engineering and process safety. Previously, she has a wide range of technical and operations experience in the chemical and petrochemical industries on high-hazard and complex plant.

“Practical session was really helpful and it was really good to get some hands-on experience”
Johanna Smith is a Process Safety Engineer with ABB. She has worked for ABB for 6 years, both in the UK and in the US, gaining experience in a wide range of process safety areas, specifically safety critical task analysis, consequence modelling, occupied buildings risk assessments and the development of COMAH reports, specifically predictive aspects.

She has a master’s degree in Chemical Engineering and is a Technical Member of the Chartered Institute of Ergonomics and Human Factors (CIEHF).

Workshop agenda*

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<th>Time</th>
<th>Session</th>
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<tr>
<td>08.30</td>
<td>Registration and coffee</td>
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<tr>
<td>09.00</td>
<td>Task inventory and prioritisation</td>
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<td>10.10</td>
<td>Tea / coffee and networking</td>
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<tr>
<td>10.30</td>
<td>Hierarchical task analysis</td>
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<td>12.00</td>
<td>Lunch</td>
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<td>Human reliability assessment</td>
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<td>14.30</td>
<td>Tea / coffee and networking</td>
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<td>Competency</td>
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<td>15.30</td>
<td>ALARP</td>
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<td>16.00</td>
<td>Feedback and close</td>
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*ABB reserve the right to amend the agenda.

How to book
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