TRAINING COURSE

Human factors in the workplace

A three day practical course on how to manage and reduce human error in the workplace.

20th - 22nd October 2020 - Teesside, ABB Office
Human factors in the workplace

Most process industry companies acknowledge their workforce as their most important asset. Human ‘assets’ are both flexible and adaptable, making them unique and valuable in a variety of situations.

Unfortunately the very attributes that make people valuable to the production organisation leaves them prone to error, which itself leads to the potential for safety incidents and unplanned outage. Managing and reducing human error potential brings benefits to both safety performance and efficiency, reducing both incidents and outages.

The practical application of human factors principles (sometimes known as ergonomics) is a current industry ‘hot topic’, with increased attention being shown in the subject by production management, safety professionals, insurance inspectors / assessors and national regulators.

Why ABB?
ABB has a heritage of providing world-class process safety and operational improvement solutions to the process industry. Over 30 years of operating experience ensures that our solutions and training packages are grounded in a practical and realistic approach that our customers appreciate. Our human factors training courses are prepared and presented by experienced practising human factors consultants

Price: £1750 + VAT

Duration: 3 days

What the course will cover
The course runs for three days; day one is an introduction to human factors in the workplace; day two covers tangible measures to assess and improve human performance in operations, with day three bringing in human factors in design.

The course utilises case studies from the process industries and from other industries such as nuclear, aerospace, and transport in order to illustrate key points and learning from the widest possible experience base. Learning will be reinforced with group and individual exercises building on the course materials presented.

Who will benefit and what will they gain
The course is suitable for production management personnel, safety professionals and engineers in the process industries, requiring a practical introduction to this broad subject area.

Delegates will return to the workplace equipped with a practical questionnaire allowing them to assess their operating unit against current best practice, and to identify areas of weakness or opportunities for improvement in safety and operating culture.

Alternatively the course can be run at your location - price on application.
Course tutors

Tony Atkinson is a Principal Safety Consultant with ABB specialising in Human Factors and Process Safety. He has over 30 years' experience in the process industries, both within operating companies and as a consultant. He is a Chartered Ergonomist and Human Factors Specialist (C.ErgHF), TUV certified functional safety engineer and has an MSc in ergonomics (human factors). He leads ABB's human factors team and product, which includes expertise and services in areas such as human error analysis, interface design, communications, competence, fatigue management, and control room design. He is the course director for a number of human factors training programmes which have been delivered across a number of high hazard industries in locations as diverse as Alaska, Indonesia and South Africa, as well as his 'base' in the UK.

Paul Lucas is a Principal Safety Consultant at ABB with over 35 years' experience of real-time computing and instrumented safety in the process chemical, oil & gas and pharmaceutical sectors. He designs and delivers ABB's training courses and seminars on the practical implications for end users, system integrators and instrument technicians in the use of the IEC61511 functional safety standard, on managing functional safety and detailed design of safety instrumented functions. In recent years, Paul has completed a Master's degree in Ergonomics and Human Factors to gain theoretic background in support of many years operational experience in the assessment and analysis of Human Factors in Safety Critical tasks, including Task analysis and Human Error Analysis (HEA).

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How to book

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