TRAINING COURSE

Essentials of pressure systems

A two day course aims to provide the basic understanding of the essential elements of pressure systems, some of the problems encountered and how to avoid them.

8th - 9th September 2020 - Edinburgh, Macdonald Holyrood Hotel
Essentials of pressure systems

This 2 day course aims to provide the basic understanding of the essential elements of pressure systems, some of the problems encountered and how to avoid them.

The course covers the typical causes of failure of pressure equipment and provides an overview of the UK legislative framework relating to pressure systems.

What will the course cover?
An introduction to the main topics relating to Pressure Systems, which include:

- Legislation
- Pressure systems’ management
- Vessels and low pressure storage tanks
- Piping components
- Valves and steam trapping
- Supports
- Quality control
- Pressure testing
- Pressure relief
- Deterioration mechanisms

Topics are covered by discussion, case studies of real incidents and syndicate exercises. An emphasis is on practical issues relating to pressure systems which improves retention and interest by delegates.

Who will benefit and what will they gain?
This course is aimed at participants of all backgrounds who require an introduction to or refresher of the essential elements of pressure systems. The course would be particularly beneficial to engineers and managers in design, construction, operations and maintenance seeking an appreciation of pressure systems.

Training method
The style of the trainers is to encourage participation in the discussions and to use case studies to share the experiences of the delegates to broaden their knowledge of the topics. On completion you should have:

- An understanding of the statutory requirements and industry good practice for safe and reliable design and operation of pressurised equipment
- An awareness of the problems that can occur with pressure systems and how to prevent them
- An understanding of the typical causes of failure of pressure equipment

Previous participants’ comments
“Excellent background information will be very useful to a process engineer talking to mechanical engineers.”

“Everything very useful, I picked up valuable information I will use back on site.”

“Excellent introduction very good set of course notes.”

Price:
£1460 + VAT
Course leader
Graham Harvey is an asset integrity specialist responsible for delivery of integrity management studies and strategies, including asset life extension studies at on and off-shore oil and gas facilities, chemical and pharmaceutical plants. This includes conducting due diligence studies on high hazard processes, development of integrity management procedures and audit protocols. Graham has 37 years of operational experience gained in oil and gas, petrochemicals & plastics, and food processing industries, many of which were high hazard top-tier COMAH facilities.

Paul Jackson CEng FI Mech E has over 25 years’ experience in the Nuclear and Process industries. He is a mechanical engineer with specialist expertise in Risk Based Inspection and vessel design and is ABB’s functional head of vessels. Paul has wide experience in asset management. Paul is a member of the IMechE pressure systems group committee and EEMUA vessels committee.

This course meets the requirements of Continuing Professional Development (CPD).

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<td>Introduction</td>
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ABB reserve the right to amend the course agenda.

The following companion courses are also available:

**Design and operation of piping systems**
This 2 day course explains why it is necessary to pay attention to piping systems at all stages throughout their life to prevent loss of containment and maintain a licence to operate.

How to book
Web:  www.abb.com/uk/consulting/training
Email:  jackie.kendall@gb.abb.com
Phone:  Call Jackie Kendall on +44 (0)1642 372121