ASME B31.3 – Advanced Process Piping Masterclass

Join us today to add to your piping knowledge and skills for greater safety, quality, reliability and productivity.

18th - 21st September 2023
6th - 9th November 2023

Kuala Lumpur (In Person) / Online Training

Major Benefits of Attending

By end of this course, delegates will be able to: -

- **GAIN** the evolution of Design Codes, such as ASME B31.3 and its past history; why we need codes?
- **UNDERSTAND** the major requirements of ASME B31.3 – 2016 (relevant interpretations included)
- **PERFORM** an overview on sample calculations to determine the minimum wall thickness pressure piping system components according to internal pressure and external loads
- **IDENTIFY** the major design, materials of construction, inspection, test and stamping requirements
- **UNDERSTAND** the philosophy of the ASME Codes and have tools to do your own interpretation of grey areas
- **MOTIVATE** technical staff associated with pressure piping and associated equipment to use these ASME Codes
- **REVIEW** of comparable international codes
- **HANDLE** piping modifi cations/revamping of old plants build to other codes
- **BUILD** leadership and new ideas to reduce cost and at the same time keep the level of safety and integrity
- **DEVELOP** in-house capabilities to check silent features of piping designs done by third parties and catch usual deficiencies, which become operation and maintenance issues later
- **MINIMZE** expensive filed modifications

Course Methodology

Client has the option to choose to participate either below method.

Online Training : *This course will be conducted via Zoom.*

Marriot Group Hotel: *This course will be conducted at the hotel with the trainer on site. Participants will need to bring their own laptop. Lunch/Dinner and 2 networking breaks will also be provided.*

Why you Should Attend?

The objective of this course is to understand how various stakeholders, piping designers and engineers, manufacturers, owners, suppliers, fabricators, and erectors employ B31. Code requirements to prevent piping system failures.

Using real-world examples as well as the personal experiences of the instructor, this course demonstrates how ASME B31.3 Code has been both correctly and incorrectly applied. Lessons are enhanced by actual in-class problem solving, directly applying the rules and equations of the B31.3 Code for specific design and operation conditions to illustrate correct applications.

Delegates will have the understanding of basic design, materials selection, inspection and testing, and certification requirements of this Code. Most importantly, the course will provide them the check-points to verify and approve the third party designs and catch usual piping design defi ciencies. These deficiencies creep in more due to efforts to keep the piping costs to a minimum without realizing that needed field modifications would cost much more lately.

Who Should Attend?

This course on ASME B31.3 is aimed to a wide range of above-level professionals working in process industries handling piping. Those may benefit includes:

- ✓ Piping engineers, designers and draftsmen
- ✓ Owners' engineers responsible for approving consulting engineers' designs
- ✓ Piping inspectors
- ✓ Maintenance engineers
- ✓ Plant operations and maintenance engineers and technicians
- ✓ Fabrication contractors and piping erectors
- ✓ Professionals in the industrial pressure piping field
- ✓ Inspection and testing professionals
- ✓ QA/QC Inspectors
- ✓ Potential governing entities

Organized by:

HRDcorp Registered

For more details, contact **hello@fdb.sg**