

# 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.

22nd – 24th April 2019  
The Ritz-Carlton, Kuala Lumpur, Malaysia

The latest edition of ASME B31.3 2016 Edition, titled "Process Piping" was issued on 31st January 2017. The Code became effective 6 months after the date of issuance. The next revision is due this year, 2018.

## Major Benefits of Attending

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

- **GAIN EVOLUTION** of Design codes, such as ASME B31.3 and its past history. Why we need codes?
- **UNDERSTAND** 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 gray areas
- **MOTIVATE** technical staff associated with pressure piping and equipment to use these ASME Codes
- **REVIEW** of comparable international codes
- **HANDLE** piping modifications/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
- **THE** main purpose of this course is to develop capability to check silent features of piping designs done by third parties and catch usual deficiencies, which become operation and maintenance issues later. This course will assist minimise expensive field modifications later

## Why you Should Attend?

The objective of this course is to understand how various stakeholders, (including piping designers and engineers, manufacturers, owners, suppliers, fabricators, and erectors) employ the B31.3 Code requirements to prevent piping system failures.

Using real-world examples, as well as the personal experiences of the instructor, the 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 operating conditions to illustrate correct applications.

In 3 days, the 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 deficiencies. 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 later.

## Who Should Attend?

The seminar is aimed to a wide range of **above-level** professionals working in process industries handling piping. Those who may benefit from this course include:

- ✓ Piping Engineers, Designers and Draftsmen
- ✓ Owners' engineers responsible for approving consulting engineers' designs.
- ✓ Piping Inspectors
- ✓ Plant Operation and Maintenance Engineers and Technicians
- ✓ Fabrication Contractors and Piping Erectors
- ✓ Professionals in the industrial pressure piping field
- ✓ Potential governing entities

Organized by: \_\_\_\_\_

