



2KG TRAINING

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ASME B31.3: PROCESS PIPING

Presenter: Glynn Woods

ABOUT THE PRESENTER: GLYNN WOODS



Glynn E. Woods, P.E. is the Course Director for the ASME B31.3 Code Design Seminars for ASME Continuing Education Institute of New York. He is a consultant with experience in piping design, stress, supports, and failure analysis as well as piping component design, analysis and testing.

For more than 20 years, he has been providing this expertise for both new and operating petrochemical and power plants using computer evaluations and field experience in arriving at safe, economical piping designs and solutions to piping problems.

Mr. Woods is a member of ASME B31.3 Process Piping Committee and the ASME B31 Mechanical Design Committee. As a member of the ASME B31.3 Process Piping Code Committee, he had the responsibility of interpreting and writing these Codes for pressure piping design and components. This experience is further accented by several hands-on research projects with the scope of determining the pressure and fatigue adequacy per ASME Code rules of proprietary piping components.

Number of days: 4

Cost: \$2950

CPD Points: 4

AIM OF COURSE

The lack of commentary, or historical perspective, regarding the B31.3 Code requirements for process piping design and construction is an obstacle to the designer, manufacturer, fabricator, supplier, erector, examiner, inspector, and owner who want to provide a safe and economical piping system.

This intensive four day course, through the use of hundreds of examples shown and personal experiences of the instructor, demonstrates how the B31.3 Code has been correctly and incorrectly applied.

This seminar explains the principle intentions of the Code and why the Code is not a handbook. Attendees come away from this seminar with a clear understanding of how piping systems fail & what the Code requires the designer, manufacturer, fabricator, supplier, erector, examiner, inspector and owner to do to prevent such failures.

The focus of the seminar is to enhance participants' understanding and application of the B31.3 Code. Instruction is further enhanced by 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

WHO SHOULD ATTEND

- Piping engineers & designers who need an understanding of the requirements for compliance and the trends of Code changes for piping design and analysis, fabrication, examination, and testing.

SPECIAL REQUIREMENTS

Attendees are required to bring a scientific calculator. The latest edition of the ASME B31.3 Process Piping Codebook is also required for this course. If your organisation already has a copy, please bring it along. Otherwise you can order a copy from 2KG Training for R4000

COURSE OUTLINE	
Day 1	
Morning	History of Codes, Definitions, Consideration of Design
Afternoon	Pressure Design of Piping and Piping Component
Day 2	
Morning	Continue Pressure Design of Piping and Piping Components
Afternoon	Piping Flexibility Analysis
Day 3	
Morning	Piping Flexibility Analysis
Afternoon	Limitations of Piping and Piping Components Pipe Supports
Day 4	
Morning	Pipe Supports
Afternoon	Leak Testing Piping Failures and Their Causes

*Daily topics may be presented in a different order based on instructor’s judgment.