

ASME B31.3 and B31.1 – Process & Power Piping

Date: Mon, 19 February 2024 – Online

The two most important American design codes for piping in one seminar.

ASME B31.3 (Process Piping) and B31.1 (Power Piping) cover most applications for piping both in the plant engineering industry and in the power plant sector. All relevant aspects of classification and scope, material (ASTM/EN), design calculation, fabrication, testing and inspection are discussed. Further topics are standard components (e.g. ASME B16.5, B16.9 or B16.34) and their use within the framework of the piping regulations as well as questions on the duties and responsibilities of owners, manufacturers, inspectors and designers. The seminar language is English.

Duration: 1 Day

Key points of the seminar:

ASME B31.3 – Process Piping

- Scope, duties and responsibilities
- Fluid Service, Category D & M, Normal Fluid, High Pressure and Severe Cyclic
- Design of piping components
- Standard components
- Material requirements
- Fabrication and assembly
- Scope of non-destructive examination and acceptance criteria
- Hydrostatic pressure testing and its possible alternatives

ASME B31.1 – Power Piping

- Scope and definitions
- Design conditions of various piping systems
- Material requirements
- Fabrication and assembly
- Inspection & non-destructive examination requirements
- Pressure test & final inspection

Instructor: Sascha Wegener – E-Mail: wegener@cis-inspector.com

Sascha Wegener has accrued more than 20 years of ASME Code experience and thus is a highly competent expert for all ASME Code matters. Before joining CIS GmbH he held the position of the responsible Area Supervisor at One/TÜV/BV in Essen. For years he has successfully supported companies all over the world with their ASME certification both in the nuclear and non-nuclear fields as an ASME Authorized Inspector Supervisor / Authorized Nuclear Inspector Supervisor. In this role he has rendered technical consultancy services to companies from different industrial sectors, such as power plant and mechanical engineering and reviewed their quality systems in numerous audits. He is also qualified as an ASME NQA-1 Lead Auditor. Sascha Wegener has been holding national and international seminars (both public and in-house), workshops and presentations on a wide range of ASME Code topics. In Europe Sascha conducts ASME B31.1 courses on behalf of ASME. Before becoming qualified as an ASME Inspector, he worked as a welding engineer in the quality assurance department of a leading ASME certified boiler manufacturer.

For further information please do not hesitate to contact directly the instructor or our seminar team:

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ASME Code Weeks Online 2024



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Title	Surname	First Name	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H16

Sem.	Date	Title	Price
H1	05.02.2024	ASME Boiler & Pressure Vessel Code: An Introduction	490 €
H2	06. - 07.02.2024	ASME BPV Code, Section VIII, Division 1: Pressure Vessels	960 €
H3	08.02.2024	ASME BPV Code Section VIII, Division 2: Alternative Rules for Pressure Vessels	490 €
H4	09.02.2024	ASME BVP Code and PED ReHuirements	490 €
H5	12. - 14.02.2024	ASME BPV Code Section VIII, Division 1: Workshop Design Calculation	1300 €
H6	-	CANCELED	-
H7	14.02.2024	Material ReHuirements of the ASME BPV Code	490 €
H8	15. - 16.02.2024	ASME BVP Code Section IX – Welding	960 €
H9	15. - 16.02.2024	EN 13445: The European Standard for Pressure Vessels	960 €
H10	19.02.2024	ASME B31.3 and B31.1: Process & Power Piping	490 €
H11	20.02.2024	EN 13480: The European Piping Code	490 €
H12	21.02.2024	ASME B16.34: Valves	490 €
H13	22. - 23.02.2024	ASME BPV Code, Section V: NDE Procedures and Personnel	960 €
H14	19. - 20.02.2024	ASME BVP Code, Section III – Nuclear Codes	1050 €
H15	21. - 22.02.2024	ASME NHA-1 - Nuclear Huality Assurance	1050 €
H16	23.02.2024	Lead Auditor Examination	500 €

All prices plus VAT