Registration

For online registration go to:

www.cis-inspector.com

For fax or e-mail registration please contact our registration center:

Fax: +49 201 74 72 75-29

E-Mail: seminar@cis-inspector.com

company
name
street
ZIP, city
country
phone FAX
e-mail
signature

Attendee #1

title	*first name, surname*	*e-mail*

Attendee #2

title	*first name, surname*	*e-mail*

Attendee #3

title	*first name, surname*	*e-mail*

Please mark the seminars you would like to attend.

ASME Code Essentials

free of charge

Attendee #1	#2	#3			
			G1	8 Jan.	Journey through the ASME Code
			G2	8 Jan.	Edition 2023 ASME Code Changes
			G3	9 Jan.	ASME pressure vessel under the PED
			G4	9 Jan.	App47 Design Personnel Qualification
			G5	10 Jan.	SNT-TC-1A Edition 2020
			G6	10 Jan.	The ASME Material Certificate
			G7	11 Jan.	User Design Requirements Form
			G8	11 Jan.	ASME Material under the PED
			G9	12 Jan.	Inspection and Test Plan (ITP)
			G10	12 Jan.	PQR and WPS for GTAW

ASME Code Weeks 2024

Attendee #1	#2	#3				
			H1	5 Feb.	ASME Code – Introduction	€ 490
			H2	6–7 Feb.	Section VIII-1, Pressure Vessels	€ 960
			H3	8 Feb.	Section VIII-2, Alternative Rules	€ 490
			H4	9 Feb.	ASME Code and PED	€ 490
			H5	12-14 Feb.	Section VIII-1, Design Workshop	€ 1300
			H6	14 Feb.	Material Requirements	€ 490
			H7	15-16 Feb.	ASME Code Section IX – Welding	€ 960
			H8	15-16 Feb.	EN 13445 – Pressure Vessels	€ 960
			H9	19 Feb.	ASME B31.3 and B31.1 – Piping	€ 490
			H10	20 Feb.	EN 13480 – Piping	€ 490
			H11	21 Feb.	ASME B16.34 – Valves	€ 490
			H12	22-23 Feb.	ASME Code Section V – NDE	€ 490
			H13	19-20 Feb.	ASME Code Section III – Nuclear	€ 1050
			H14	21-22 Feb.	ASME NQA-1 – Quality Assurance	€ 1050
			H15	23 Feb.	Lead Auditor Examination	€ 500

all prices plus VAT and per attendee

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ASME Code Essentials

ASME Code Essentials!

8 – 12 February 2024 — All times CET

Monday, 8 January 2024

G1 10:00 - 12:00 — **A journey through the complete ASME Code – Putting you in the picture what you can use the different Code Sections, Stamps and Certifications for** — Dr.-Ing. Dirk Kölbl (ANIS)

G2 14:00 - 16:00 — **Impacts of the Edition 2023 ASME Code Changes – The most important items to consider** — Dr.-Ing. Dirk Kölbl (ANIS)

Tuesday, 9 January 2024

G3 10:00 - 12:00 — **Designing an ASME pressure vessel under the Pressure Equipment Directive (PED) – What you need to know in any case!** — Dipl.-Ing. Nevresa Frohnert (AIS)

G4 14:00 - 16:00 — **Appendix 47 Design Personnel Qualification: clarify common misunderstandings + apply the 2023 Edition Code Changes + know and fulfill the minimum requirements = no trouble, no stress!** — Dipl.-Ing. Michael Frohnert (AIS/ANI)

Wednesday, 10 January 2024

G5 10:00 - 12:00 — **How the newly mandatory SNT-TC-1A Edition 2020 affects your Written Practice – A brief guide regarding the qualification of NDE personnel under the ASME Code** — Dipl.-Ing. Marcel Meronk (ANIS)

G6 14:00 - 16:00 — **The ASME Material Certificate – Ordering material correctly and thus avoiding trouble with your Authorized Inspector** — Dr.-Ing. Daniel Hüggenberg (AIS/ANI)

Thursday, 11 January 2024

G7 10:00 - 12:00 — **The mysterious „User Design Requirements Form" – What you really need to do to fulfill the actual requirements of the 2021 Code Edition of Section VIII, Division 1!** — Dipl.-Ing. Andreas Splinter (ANIS)

G8 14:00 - 16:00 — **ASME Material under the Pressure Equipment Directive (PED) – How to easily and correctly prepare the necessary Particular Material Appraisals (PMA)** — Dipl.-Ing. Andreas Splinter (ANIS)

Friday, 12 January 2024

G9 10:00 - 12:00 — **What you must not forget in your Inspection and Test Plan (ITP) to meet ASME requirements! Often neglected details presented in a compact way.** — Dipl.-Ing. Adam Gajewski (AIS)

G10 14:00 - 16:00 — **Not as simple as often thought – Code compliant PQR and WPS for Gas Tungsten Arc Welding (GTAW) according to ASME Code Section IX** — Dipl.-Ing. Sascha Wegener (ANIS)

Course Planner

ASME Code Weeks!

5 to 23 February 2024

Week #1 — 5 to 9 February

Mon.	Tue.	Wed.	Thu.	Fri.
H1 The ASME BPV Code: An Introduction	**H2** ASME BPV Code, Section VIII, Division 1: Pressure Vessels		**H3** ASME BPV Code, Section VIII, Division 2: Alternative Rules	**H4** ASME BPV Code and PED Require-ments

Week #2 — 12 to 16 February

Mon.	Tue.	Wed.	Thu.	Fri.
	H5 ASME BPV Code, Section VIII, Division 1: Workshop Design Calculation		**H7** ASME BPV Code, Section IX: Welding	
		H6 Material Require-ments of the ASME BPV Code	**H8** EN 13445 The European Standard for Pressure Vessels	

Week #3 — 19 to 23 February

Mon.	Tue.	Wed.	Thu.	Fri.
H9 ASME B31.3 and B31.1: Process & Power Piping	**H10** EN 13480 The European Piping Code	**H11** ASME B16.34: Valves	**H12** ASME BPV Code, Section V: NDE Procedures and Personnel	
H13 ASME BPV Code, Section III: Nuclear Codes		**H14** ASME NQA-1: Nuclear Quality Assurance		**H15** Lead Auditor Examination

Course Performance

All courses are conducted live with **GoToWebinar**. After enrollment you will receive a link to register personally for your course. Certificates of attendance will be sent to all registered attendees after completion of the event.

If you have any questions, our seminar team will be pleased to help you at any time.

Services

***CIS GmbH** offers One-Stop Shopping for all your ASME Code Needs*

Consulting and preparatory activities for the ASME certification audit
- Drawing up your Quality System Manual
- Welding documentation (WPS / WPQ / WOPQ / PQR)
- Preparing work procedures
- Qualifying of NDE procedures and personnel (SNT-TC-1A)
- CIS participation in your ASME Joint Review and Nuclear Survey

Authorized Inspection Agency Activities for
- Section I, Power Boilers
- Section III Division 1 & 3, Nuclear Components
- Section IV, Heating Boilers
- Section VIII, Division 1, 2 & 3, Pressure Vessels
- Section X, Fiber Reinforced Plastic Pressure Vessels
- ASME B31.1 - Power Piping
- ASME Code Section XII - Transport Tanks
- ASME Code in combination with PED
- Canada, New Zealand, Singapore, Malaysia

ASME Code Seminars & Workshops
- In-company seminars, classroom or online — tailor-made for your projects

Design Examinations and Reviews
- ASME Code design examinations for pressure vessels, power boilers, piping, fittings, etc.
- Design examinations in line with various international Codes & Standards (AS1210, BS5500, AD2000, EN13445, etc.)

Immediate expert assistance and support with
- ASME certification process
- ASME Code application to meet the requirements of PED 2014/68/EU
- Inspection of pressure retaining components by ASME Authorized (Nuclear) Inspectors
- Qualification of work procedures and personnel
- Written Practice according to SNT-TC-1A
- Product registration according to CSA B51 (Canadian Registration Number, CRN)
- Design calculation issues
- Steel structures according to American Welding Society D1.1

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H1 Monday, 5 February 2024 — € 490
The ASME Boiler & Pressure Vessel Code: An Introduction

A comprehensive overview of the ASME Boiler and Pressure Vessel Code, the ASME Piping Codes and the referenced Standards. We will begin with the jurisdictional rules at the location of installation for the USA, Canada and other locations, discuss the scopes of all Construction Codes as well as the function of all reference Codes. It will be described how to become certified by ASME. ASTM and ASME Code material specifications, requirements, certificates and properties will complement the topics covered by the course.

Instructor: Dipl.-Ing Sascha Wegener (ANIS)
contact: wegener@cis-inspector.com

H2 Tue.-Wed., 6-7 February 2024 — € 960
ASME BPV Code, Section VIII, Division 1: Pressure Vessels

The comprehensive overview of the leading export Code! This course provides for a detailed introduction to ASME Code Section VIII, Division 1 for Pressure Vessels. Scope, setup and use of this Code book are presented. The focus is on Quality Control, Ordering of Vessels, Material, Design, Fabrication, Examination, Inspection, Testing, Assembly and Over-pressure Protection. Examples provide for a better understanding of important contents. The seminar is intended for participants working in the fields of project planning, purchasing, sales, quality control, material procurement, design, fabrication, examination, and inspection.

Instructor: Dipl.-Ing Sascha Wegener (ANIS)
contact: wegener@cis-inspector.com

H3 Thursday, 8 February 2024 — € 490
ASME BPV Code, Section VIII, Division 2: Alternative Rules for Pressure Vessels

When does it make sense to switch to Division 2? In particular, the new classification into Class 1 and Class 2 vessels makes Division 2 a real alternative to the normally used Division 1. Moreover, Division 2 becomes more and more important for Division 1 users, as many of its modern calculation rules can also be used for Division 1 vessels under Code Case 2695 and now Appendix 46. Topics covered are material requirements and certificates, design, FEA, load cycles, fabrication, testing, inspection, pressure testing, overpressure protection and of course the differences to ASME Code Section VIII, Division 1.

Instructor: Dipl.-Ing. Michael Frohnert (AIS/ANI)
contact: frohnert@cis-inspector.com

H4 Friday, 9 February 2024 — € 490
ASME BPV Code and PED Requirements

The ASME Code as a sound basis to meet the requirements of the European Pressure Equipment Directive (PED). The seminar begins with a general introduction into PED 2014/68/EU to make the participants familiar with its features — you will learn how to apply the regulations efficiently. Furthermore, the practical application of the directive will be demonstrated on an ASME Code stamped pressure vessel. In this context typical issues and challenges such as material, impact testing, personnel qualification etc. will be addressed.

Instructor: Dipl.-Ing. Andreas Splinter (ANIS)
contact: splinter@cis-inspector.com

H5 Mon.-Wed., 12-14 February 2024 — € 1300
ASME BPV Code Section VIII, Division 1: Workshop Design Calculation

ASME Code vessels don't always have to be "fatter"! Following a brief general introduction into the ASME Code, the participants will be made familiar with the applicable ASME Code Section VIII, Division 1 design requirements. Many different practical examples and exercises will offer a deep insight into the ASME Code specific design rules. During the course, the participants will calculate typical pressure components on their own, assisted by an experienced design engineer who is also an Authorized Inspector Supervisor.

Having attended this course the applicants have the necessary basic knowledge to perform their own design calculations and/or review such calculations for Code compliance.

Instructor: Dipl.-Ing. Michael Frohnert (AIS/ANI/Certifying Engineer)
contact: frohnert@cis-inspector.com

Appendix 47-4 Qualification of Design Personnel!

All courses with the ASME Mark are approved by ASME:

CIS GmbH is an official ASME Authorized Training Provider.

All course instructors are ASME Authorized Training Instructors.

ASME will provide certificates of attendance for all participants after successful completion of the courses marked with the ASME logo.

ASME and the ASME logo are registered trademarks and service-marks of the American Society of Mechanical Engineers.

H6 Wednesday, 14 February 2024 — € 490
Material Requirements of the ASME BPV Code

How to avoid the most common mistakes when using ASME Code material! You will concisely learn the basics of Section II for ASME materi-al. This course will also focus on the specific requirements from the construction codes for pressure vessels and boilers.

Further important topics are material testing (impact, tensile, etc.), the use of non-ASME material and recertification, filler materials, correct material certificates and marking, yield/tensile/creep strength as a basis of allowable stress values and ASME Code compliant wording for material purchase orders.

Instructor: Dr.-Ing. Daniel Hüggenberg (AI/ANI)
contact: hueggenberg@cis-inspector.com

H7 Thu.-Fri., 15-16 February 2024 — € 960
ASME BPV Code, Section IX: Welding

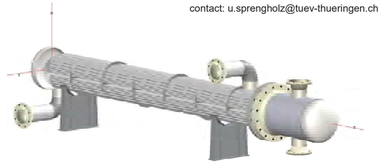
This two-day course gives you a strong understanding of ASME's Section IX Welding Code. In the international plant engineering business ASME Code Section IX is the most often used standard for the qualification of welding, brazing and plastic fusion. This course exclusively covers the topic of welding and familiarizes you with the qualification of welding procedures and welders as required by ASME Code Section IX. The basic requirements of ASME Code Section IX will be demonstrated. During the course the participants gain the necessary knowledge to independently prepare and/or review Procedure Qualification Records (PQR), Welding Procedure Specifications (WPS) and Welder/Welding Operator/ Performance Qualifications (WPQ/WOPQ).

Instructor: Dipl.-Ing Sascha Wegener (ANIS)
contact: wegener@cis-inspector.com

H8 Thu.-Fri., 15-16 February 2024 — € 960
EN 13445 – The European Pressure Vessel Code

This extensive introductory seminar covers all important aspects from manufacturer requirements, material, brittle fracture concepts, production, testing and design to a comparison with the current status of the AD2000 regulations as well as the latest developments in the PED. Furthermore, its implementation in the European countries and its international recognition will be discussed.

Instructor: Uwe Sprengholz
contact: u.sprengholz@tuev-thueringen.ch



H9 Monday, 19 February 2024 — € 490
ASME B31.3 and B31.1: Process & Power Piping

The two most important American design codes for piping in one se-minar. 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.

Instructor: Dipl.-Ing. Sascha Wegener (ANIS)
contact: wegener@cis-inspector.com

H10 Tuesday, 20 February 2024 — € 490
EN 13480: The European Piping Code

Quick introduction to EN 13480. Starting with the essential contents and requirements regarding design, material, NDE and testing up to the hydrostatic pressure test, the selection of the right fittings and the use of American common materials (e.g. SA-106 Gr. B) or special materials (e.g. SA-355 P91) is also discussed in detail. The application with regard to the PED 2014/68/EU is also addressed in depth.

Instructor: Uwe Sprengholz
contact: u.sprengholz@tuev-thueringen.ch

For detailed information about the seminar contents and instructors visit
www.cis-inspector.com/asme-code-weeks
All seminars are in English and run from 9 am to 5 pm (CET)

H11 Wednesday, 21 February 2024 — € 490
ASME B16.34: Valves

ASME B16.34 is the most recognized standard for flanged, bolted or welding end valves worldwide. In this seminar you will learn all important requirements regarding dimensions, tolerances, design, fabrication, testing, marking and the declaration of conformity.

Important aspects are the determination of the minimum wall thicknesses of valves and the correct material selection with regard to Piping Codes B31.1 and B31.3 as well as ASME Code Sections I and III. Furthermore, the participants will learn how to prepare a manufacturer´s standard for valves.

Instructor: Dipl.-Ing. Marcel Meronk (ANIS)
contact: meronk@cis-inspector.com

H12 Thu.-Fri., 22-23 February 2024 — € 960
ASME BPV Code Section V: NDE Procedures and Personnel

The important things you need to know about NDE. The participants will learn the basics about the NDE Methods (RT, CR, DR, UT, PAUT, TOFD, FMC, MT, PT, VT) and the required content of NDE procedures according to ASME Code Section V. The question will be answered on how to achieve and meet the ASME NDE personnel qualification requirements by incorporation of existing ISO 9712 qualifications.

As far as practical the acceptance criteria of the ASME Codes Section I, III, VIII-1, VIII-2, IX, B31.1, B31.3, B16.34 will be summarized and condensed, so that the participants gain a good working knowledge on how to interpret indications revealed by the applied NDE method.

Instructor: Dipl.-Ing. Marcel Meronk (ANIS/NDE Level 3)
contact: meronk@cis-inspector.com

This time free of charge!

For short seminars covering frequently asked topics, see the ASME Code Essentials on the next page.

H13 Mon.-Tue., 19-20 February 2024 — € 1050
ASME BPV Code Section III: Nuclear Codes

How to find your way around the Code in 10 seconds! Structure and usage of ASME Code Section III including the changes of the 2021 Edition. What are Class 1, 2, 3, MC, CS, SC, TC, QSC, ASME N, NV, NPT, NS and NA Certificates?

We cover qualification and certification as a service provider, certification as a "Material Organization", Unqualified Source Material and the material certificates CMTR or CoC. Furthermore, we look at valves, pumps, vessels, pipelines, supports, assembly and inservice inspections. The comprehensive seminar provides detailed insights and answers specific questions on ASME Code Section III. Practical examples and exercises demonstrate how to apply the Code correctly.

Instructor: Dr.-Ing. Dirk Kölbl (ANIS/Lead Auditor)
contact: koelbl@cis-inspector.com

H14 Wed-Thu, 21-22 February 2024 — € 1050
ASME NQA-1: Nuclear Quality Assurance

A complete overview in two days. We start with 10CFR50 and 10CFR21, then move on to supply chain qualification and NQA-1 implementation. Safety classification, the 18 elements of NQA-1, qualification of inspection and test personnel, lead auditors, design verification, computer programs, commercial grade dedication and ASME's NQA-1 certificate are explained in detail. Several examples and workshops are included to provide for easier implementation.

The course offers participants from the fields of quality assurance, project management, manufacturing, sales, purchasing and customer service both the necessary basics and sound guidance for implementation .

Instructor: Dr.-Ing. Dirk Kölbl (ANIS/Lead Auditor)
contact: koelbl@cis-inspector.com

H15 Friday, 23 February 2024 — € 500
Nuclear - Lead Auditor Examination

Now available: The NQA-1 Lead Auditor Examination. Our team will customize a set of multiple choice questions exactly for the scope you indicate in your application. The questions will all be based on the contents of the related courses. Although participation in this week's courses is not a prerequisite, we strongly recommend it to fulfill the training requirements for Lead Auditors (NQA-1 Requirement 2, 303.2).

Instructor: Dr.-Ing. Dirk Kölbl (ANIS/Lead Auditor)
contact: koelbl@cis-inspector.com