

Training

Technical training in engineering.



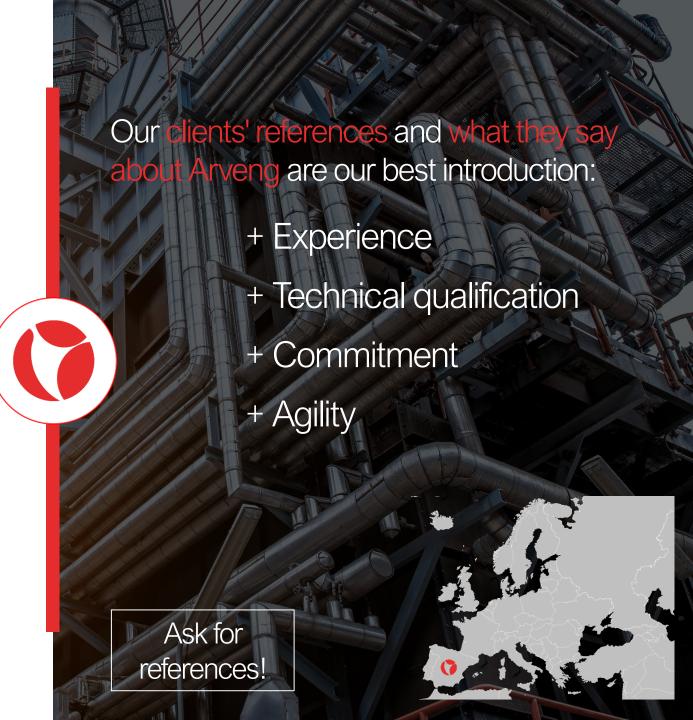


- Tailored and practical itineraries
- Authorized center



Engineering

- Mechanical equipment design (piping, static equipment,...)
- Specialized studies (finite element analysis, fatigue, creep, useful life analysis, ...)
- Technical assistance (Root cause analysis, forensic engineering, fitness for service...)



ABENGOA

















































wood.







































































Our training solutions:

- In-person
- Virtual
- Self-guided
- Tailored
- Express courses
- Webinars
- Master program
- Training consultation



Authorized Training Provider

Since 2020 we are the only Training Center in Spain that has the backing of ASME (American Society of Mechanical Engineers), a world-leading organization in the field of mechanical engineering, with more than 85,000 members and present in more than 135 countries.

Recognition to our trajectory and commitment



Training | Some of our courses...



Piping Systems **ASME B31**-Design of Piping Systems Piping **Stress & Flexibility Analysis**

Design of **Supports**

Piping Class



Mechanical Equipment **ASME VIII**-Design of Pressure Vessels

API 650-API 653 Storage Tanks

TEMA-Design of S&T Heat Exchangers

Rotating equipment



Metalurgy & Materials

Materials Selection

ASME II-Materials

Materials for special services



Inspection

Welding & Non-Destructive Examination

ASME IX-Welding Calification

API 510 | 570 Equipment Inspection

Mechanical Equipment Inspection: QC



Instrumentation & Control

Functional Safety: SIL
Instrumentation Design
HAZOP Analysis

Control and pressure safety valves



Studies & Projects

Project Planning and Control
Introduction to Industrial Projects
Industrial Projects Terminology



Process Engineering Process Equipment Design

Piping & Instruments Diagram P&ID

Process Engineering

Hydraulic calculations in Engineering



Hydrogen

H2 - Fundamentals
Hydrogen Techhnologies
Design of piping systems ASME B31.12
Design of pressure vessels H2



Training | Training modalities

High-quality engineering training courses: classroom, online and tailored training. More than 250 classroom courses, 1200 online courses and over 65 in-company sessions.

Our training activities have benefited over 4.500 professionals. This is our greatest pride and our best letter of recommendation.

Live | Classroom

Through the proximity of the classroom, we encourage the participation of the attendees, promoting the resolution of real cases.

Live | Virtual

Live practical sessions through videoconference (Teams, Zoom), emphasizing lessons learned.

Self-guided

Self-directed training, the participant starts at their own convenience, progresses in their own time and at their own pace.

In-Company | Tailored

We customize our training programs to every requirement, solutions for every need.

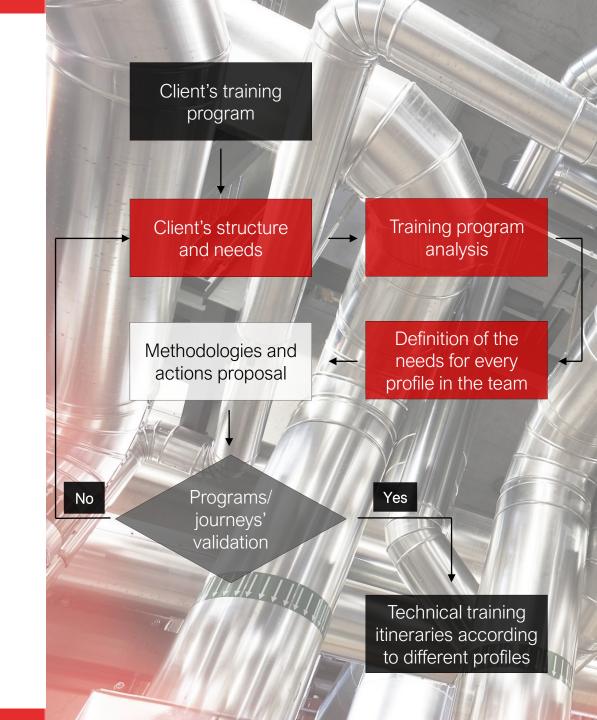


Training | Technical training itineraries

The evolution of technology requires the constant updating of work teams and technical training itineraries..

Why can we help you to update your training programs?

- We are training specialists
- 20+ years developing engineering
- Expertise with different modalities
- We are agile and flexible

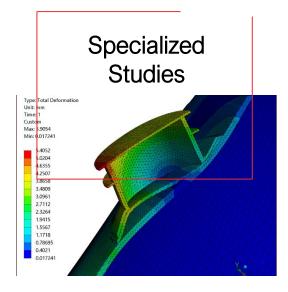




Mechanical Equipment Design



Pressure Vessels
Piping systems
Heat Exchangers
Storage tanks



Finite Element Analysis
Creep/Fatigue Analysis
Useful life analysis
CFD Analysis

Technical Assistance



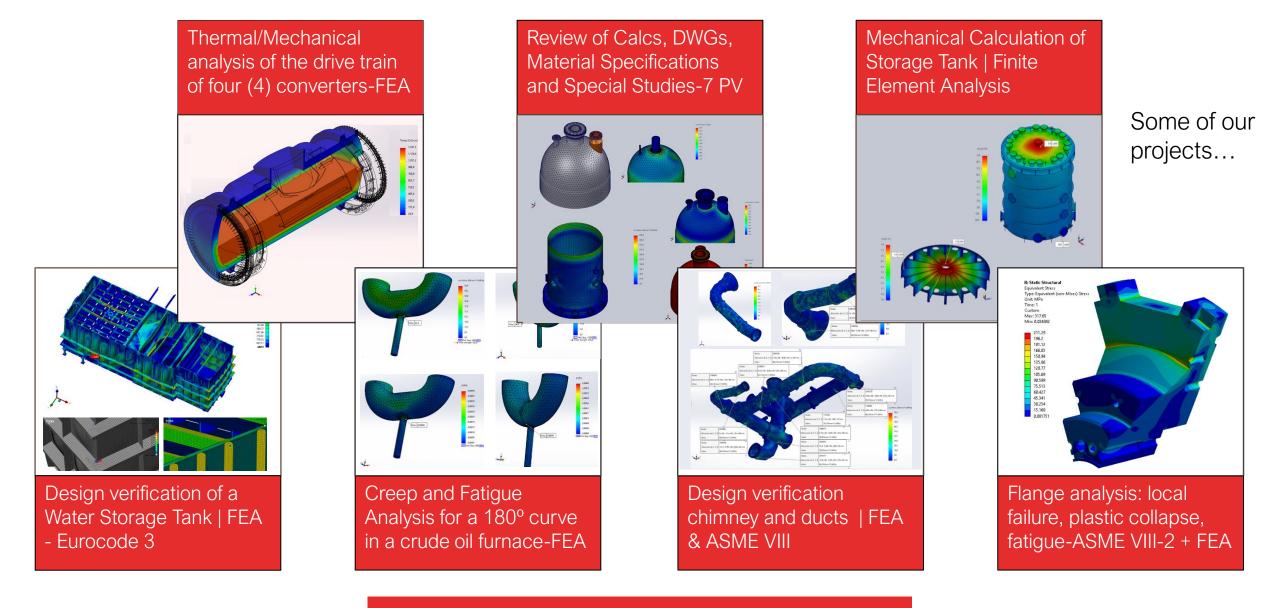
Root cause analysis
Forensic Engineering
Fitness for Service Assessment
Asset Integrity Management

We develop tailored engineering solutions for our clients. We are agile and flexible, and our added value is in the high technical qualifications of our professionals.

Your projects are our projects, we hope to accompany you...



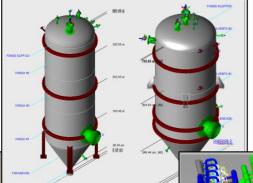
Specialized Studies | FEA, Fatigue, Creep, CFD...



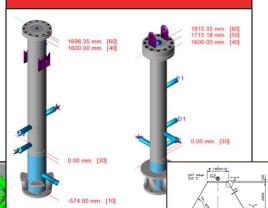


Mechanical Equipment Design & Calculation | Pressurized systems

Calcs & Verification of 2
Pressure Vessels |
ASME VIII Div.1



Design & calculation of seven (7) Pressure Vessels (filters) | EN13445



S&T heat exchanger bellow replacement-TEMA + ASME VIII-1

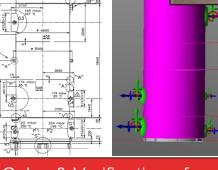


Some of our projects...

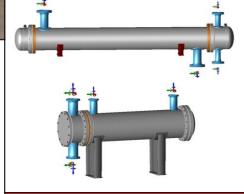
THANKS CO.

Aluminium Pressure Vessel Design and Calcs | EN 13445

Stress & Flexibility
Analysis, Desalination
Plant - GRP | ISO 14692



Calcs & Verification of large S&T Heat Exchanger | EN 13445



Design & Calcs of S&T Heat Exchangers | TEMA + ASME VIII-1

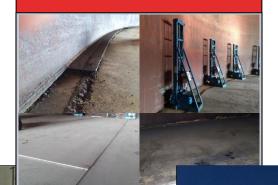


Technical Assistance | Forensic engineering, Fitness for Service, Failures...

Analysis of the collapse of the floating roof of a storage tank

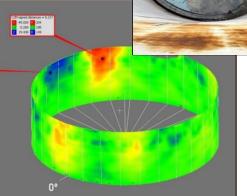


Supervision of Storage Tank Bottom Replacement | API 650



Bulging Deformation Analysis of three Storage Tanks | API 650 – API 653

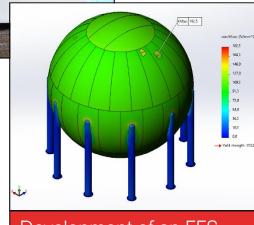
Some of our projects...



Aboveground Storage Tk Validation of dimensional tolerances – API 653

Forensic Engineering | API 650 Storage Tank Failure

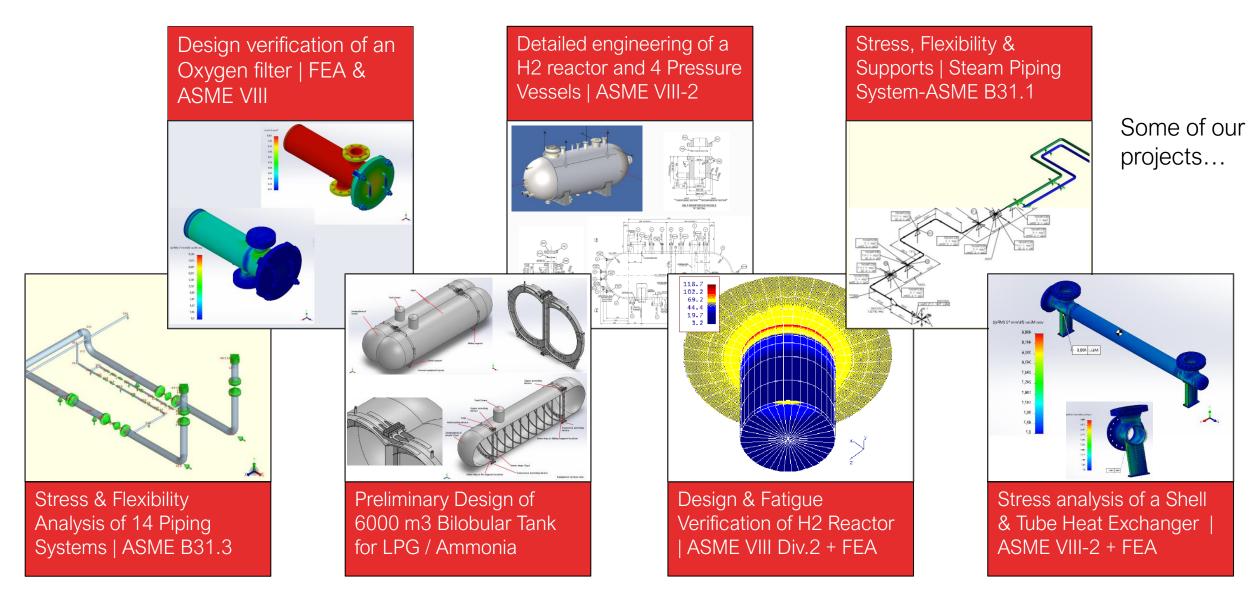
Storage Tank
Decommissioning Job
Specification



Development of an FFS study for sphere | API 579-1 / ASME FFS-1



Applications for H2 and similar services





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