

Pressure equipment (PED) (Directive 2014/68/EU) and Simple Pressure Vessels (SPVD) (Directive 2014/29/EU)

Please consult the Call for Expression for full information on the specific tasks, general specifications and the application. Specific requirements for this sector include:

Qualifications

- Master degree (or equivalent) in mechanical engineering and/or material science and 8 years of proven relevant professional experience, or
- Bachelor degree (or equivalent) in mechanical engineering and/or material science and 10 years of proven relevant professional experience, or
- An outstanding proven relevant professional experience of at least 15 years

Expertise

- A proven track record of working with harmonised and international standards in the field of pressure equipment
- Knowledge of PED / SPVD legislation, Guidelines and Guiding principles documents [related to assemblies and particular material appraisal]
- Knowledge of related new approach directives, in particular Machinery Directive and ATEX, and the classification of chemical substances and mixtures (CLP Regulation)
- Experience in complex industrial pressure equipment applications (pressure vessels, piping, boilers, safety accessories, ...)
- Expertise in production technologies and test methods including also personnel qualification and certification

Candidates should have preferably a good understanding of the following topics:

- Safety engineering and risk assessment techniques
- Mechanical engineering
- Chemical engineering
- Materials technology
- Pressurised equipment
- Programmable control systems and functional safety
- Explosion prevention
- Emission of and exposure to hazardous emissions (substances, radiation)
- Acoustics and vibration
- Measurement and testing
- Physics and Material science, focus on applications for pressure purposes
- Quality Management Systems
- Personnel qualification and certification
- Non-destructive testing
- Pressure equipment technologies and standardisation / codes
- Permanent joining technologies (welding, brazing, ...)