

ASME BPVC SOLUTIONS

Framatome GmbH provides products and services as per ASME boiler and pressure vessel code section III and Section XI

Framatome GmbH is an ASME BPVC Section III N-/NA-/NPT-Certificate Holder providing design, inhouse and subcontracted fabrication, furnishing of metallic material and services as nondestructive examinations and audits

Challenge

Design and fabrication tasks for nuclear power plants require an established quality management program in combination with technical standards.

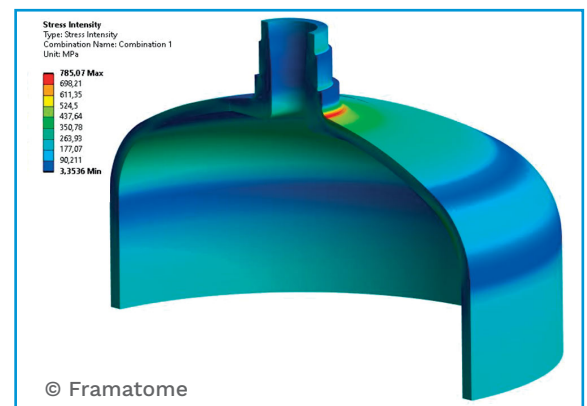
Various international nuclear power plants require the application of ASME BPVC Section III and Section XI. However, certified and experienced partners which are willing to process from individual single items to complex equipment scopes are rare in the European market.

Solution

Framatome GmbH provides the following products and services with an ASME certified nuclear quality assurance program:

- Design and project processing including preparation of supply specifications, drawings, material lists, mechanical analysis reports as well design reports
- Fabrication of complete equipment, parts or subassemblies
- Furnishing of metallic material with Code compliant CMTR incl. Utilization of unqualified source material
- Nondestructive testing with third party (ANI) demonstrated procedures by personnel certified in accordance with related standards (SNT-TC-1A or CP-189)
- Audit services, quality management services, and processing support

For all services Framatome GmbH can provide personnel on request. A Certifying Engineer (FEANI) is available and can be contracted.



Technical information

- Mechanical analyses by formula or by FEM (ANSYS), depending on the relevant task
- Welding processes for carbon and austenitic stainless steels as well as Ni-base materials
 - Manual GTAW (141) and SMAW (111)
 - Mechanized narrow gap pipe GTAW (141)
 - Welding manipulators (custom made for in-and outside-pipe applications)
- Nondestructive examinations
 - Surface examinations (VT, PT, MT)
 - Volumetric examinations (RT, UT)
 - Leak Testing (LT)

Customer benefits

- Framatome has competencies and experience over decades in any nuclear equipment for all services
- The services can also be provided flexible as single tasks
- In case an ASME certification is not required the scope and services can be offered on an ASME BPVC technical basis without certification

Key figures

In-house fabrication up to **10** tons

N-certificate holder for more than **30** years

Contact: spare-parts@framatome.com
www.framatome.com

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