

Reactor vessel cover head

Manufacturing of reactor vessel cover head for operating plants and new nuclear projects

Framatome Saint-Marcel is the manufacturer of reference for the Primary Loop Components

Challenge

Reactor Vessel Cover Head is a High Integrity and Nuclear Safety related Component and must comply with the requirements of applicable construction codes and regulations. The conformity has to be demonstrated at each step of manufacturing.

Solution

Framatome's Saint Marcel plant manufactures Reactor Vessel Heads with the highest level of safety and quality standards. Full scope of responsibility:

- Design Engineering, Mechanical calculation and Licensing
- Manufacturing Engineering
- Prototyping and serial production
- Management of sub-contractors and suppliers
- In-house manufacturing and inspection (UT, X-Ray, pressure test)
- Worldwide transportation

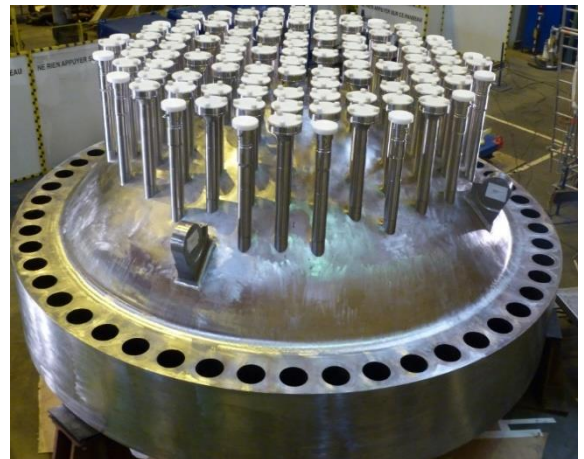
Framatome relies on:

- Large industrial capacity of workshops
- ISO and ASME certified Quality Assurance System
- Certified ISO 17025 Laboratory
- Large panel of qualified sub-contractors and suppliers
- Expertise in key competences

Customer benefits

- Safety and Quality Conformity
- Internationally trusted supplier with a proven experience
- Flexible and large industrial capacity
- A plant managing the whole process (engineering, procurement, manufacturing, transportation and after-sales)

Your performance is our everyday commitment



© Framatome

Technical information

RVCH for a wide range of Nuclear Power Plants, 900 MWe to 1650 MWe

Material: Carbon and stainless steel

Height: 2550 to 3943 mm

Diameter: 4674 to 5775 mm

Weight: 65 to 100 tons

Pressure: 150 bars

Temperature: 350 °C

- Construction codes: RCC, ASME, AFNOR, GHOST, SAE, ASTM
- International Regulations

Key figures

45 years of experience in manufacturing of heavy components for nuclear industry

> 160 reactor vessel cover heads manufactured and Delivered to Customers by Saint-Marcel Plant since 1975

Contact : g-fra-pcm-sales@framatome.com
www.framatome.com

It is prohibited to reproduce the present publication in its entirety or partially in whatever form without prior written consent. Legal action may be taken against any infringer and/or any person breaching the aforementioned prohibitions. Subject to change without notice, errors excepted. Illustrations may differ from the original. The statements and information contained in this publication are for advertising purposes only and do not constitute an offer of contract. They shall neither be construed as a guarantee of quality or durability, nor as warranties of merchantability or fitness for a particular purpose. All statements, even those pertaining to future events, are based on information available to us at the date of publication. Only the terms of individual contracts shall be authoritative for type, scope and characteristics of our products and services.