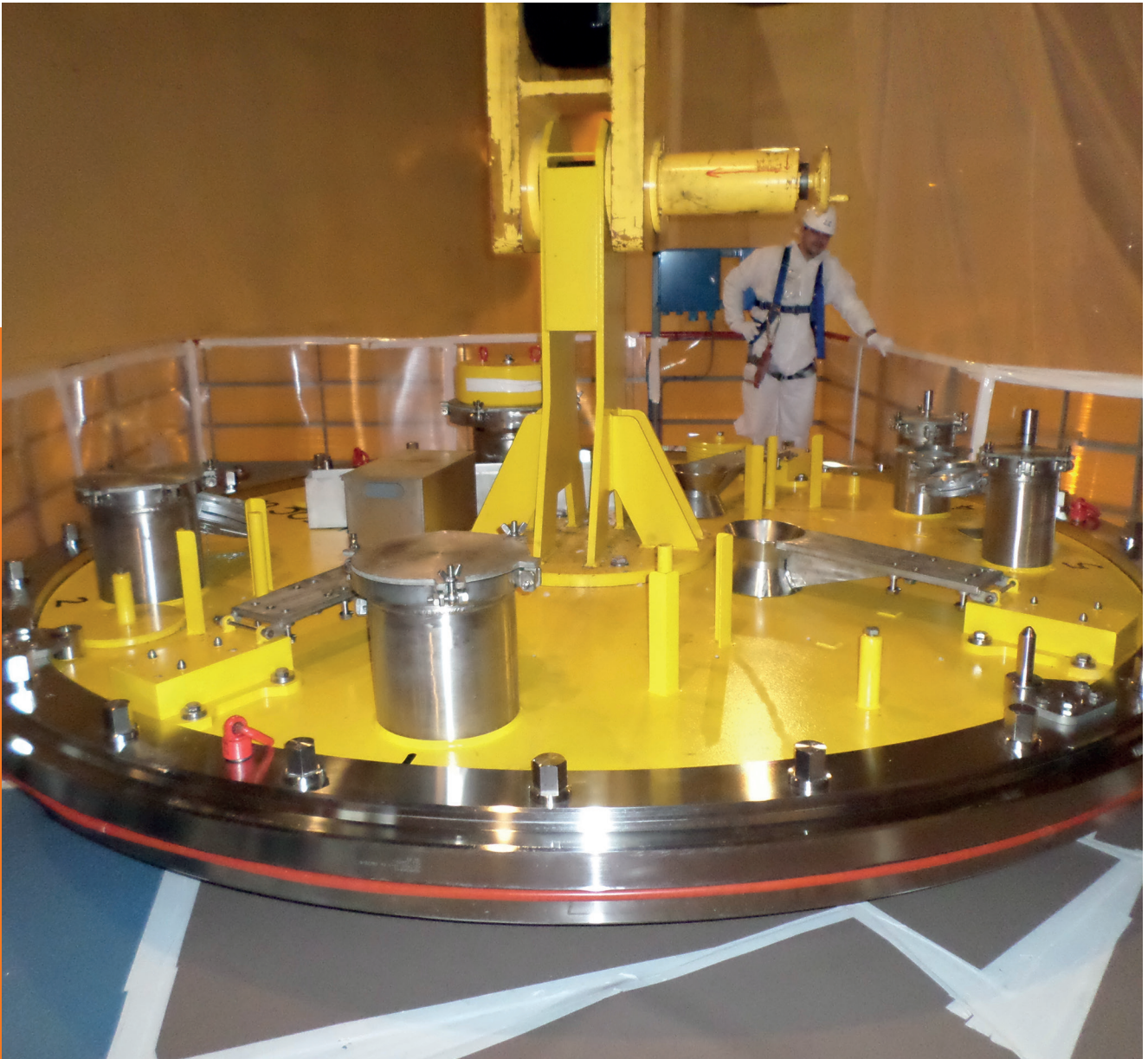


Temporary vessel head



Test bench for the temporary head and installation into its storage and transport container

A temporary reactor vessel head is a replacement head intended for use throughout the plant outage.

The equipment protects the personnel from any radiation coming from inside the reactor.

Besides its protective role, this temporary head is manufactured with smaller dimensions than the usual head it replaces to ease inspection and maintenance of the head's mating surface and the female centering stubs.

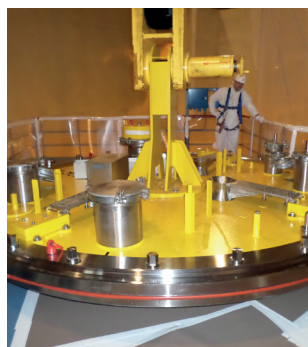
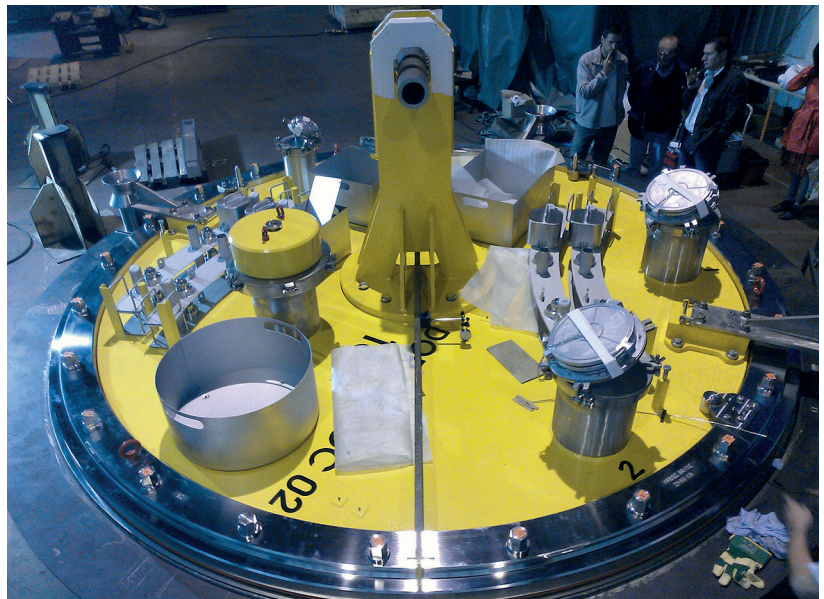
It also allows placing the primary circuit into vacuum to ensure there is no air when filling up with water (optimization of outage duration).

John Cockerill Services Skills

- Material procurement
- Manufacturing operations in accordance with drawings and specifications: welding, machining and assembly
- Responsibility for the quality assurance of the various operations as per quality plan and CODAP standard references (pressure vessels)
- Performance of functional and leak tests (vacuum resistance) of the temporary head (factory acceptance) using a dedicated test bench operating in the same conditions as the real ones (interface simulation)
- Manufacturing of a leak tight storage container and transportation according to plans
- Packaging and shipment

Benefits

- Expertise in submerged arc welding process and servo rotating table used for automatic welding, and machining capabilities up to 8 m in diameter
- Production means for equipments with large dimensions
- Option of partnership with a local machine shop for machining and milling operations
- Additional range of nuclear industry maintenance services



References



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