

DTL FC(s) shielding(s) - design review



DTL FC2 - to be installed after DTL tank 1
DTL FC4 - to be installed after DTL tank 4

Main components:

- 1) FC holder
- 2) Inner core (metallic)
- 3) Outer blocks (concrete)
- 4) Metallic plates (external, new!)

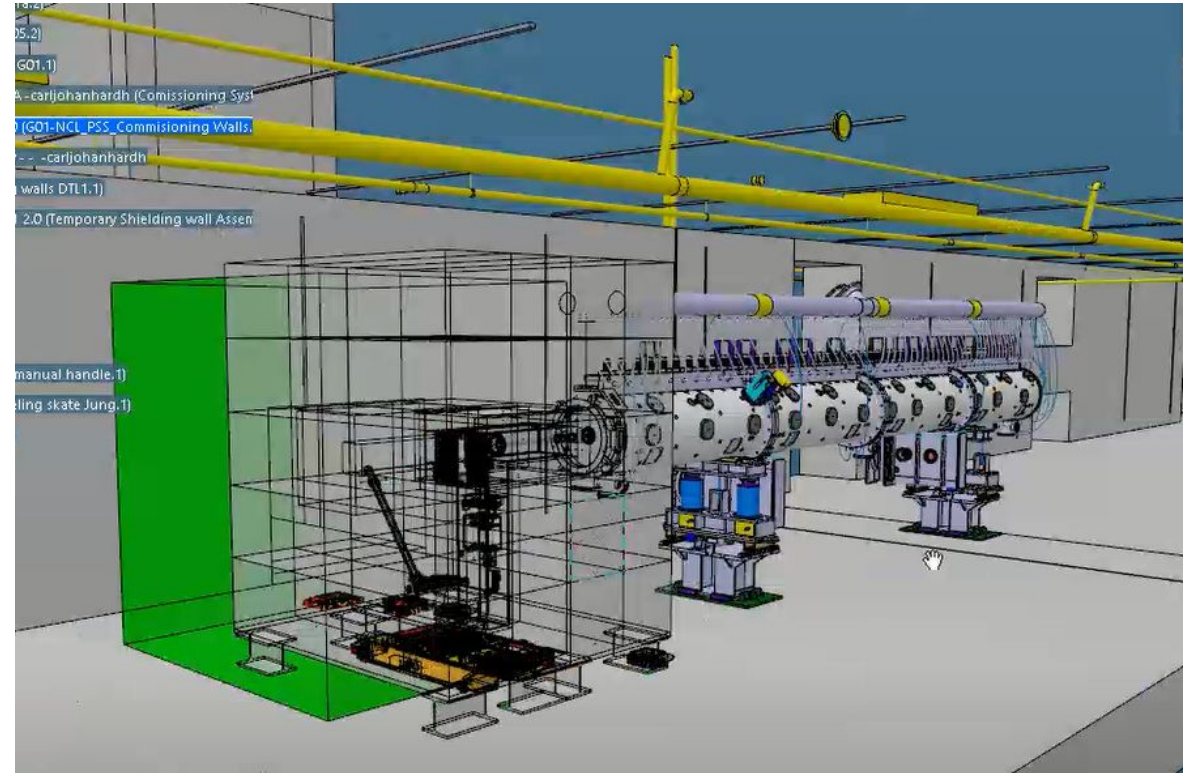
Current plan in P6:

IFC FCS 23-Dec-2020

Shielding **Procurement** ends on 5-March-2020

Shielding **Installation** ends on 17-March-2020

Shielding/FC **Ready for system tests** 24-March-2020





CHARGE QUESTIONS

- 1) Are there any **differences** with respect to the simulated and documented shielding in **ESS-0136227**?
- 2) Is the design and all the corresponding **documentation** ready to start the **CHESS release**?
- 3) Are the main **approver** and the **reviewers** identified for the CHESS release?
- 4) Can the **procurement** start right after the CHESS release?
- 5) Is there any possible issue identified in relation to the newly introduced **external metallic plates**?
- 6) Is there a consensus on the **transportation strategy** before the installation and after the uninstallation?
- 7) What are the foreseen **risks during the transportation** of the whole shielding?
- 8) Are there any issues due to the **structural loads**?
- 9) Are there any impediments foreseen during **service, maintenance and emergency situations**?
- 10) Are there any **potential safety issues**?

Committee members are free to add further questions during the review.