

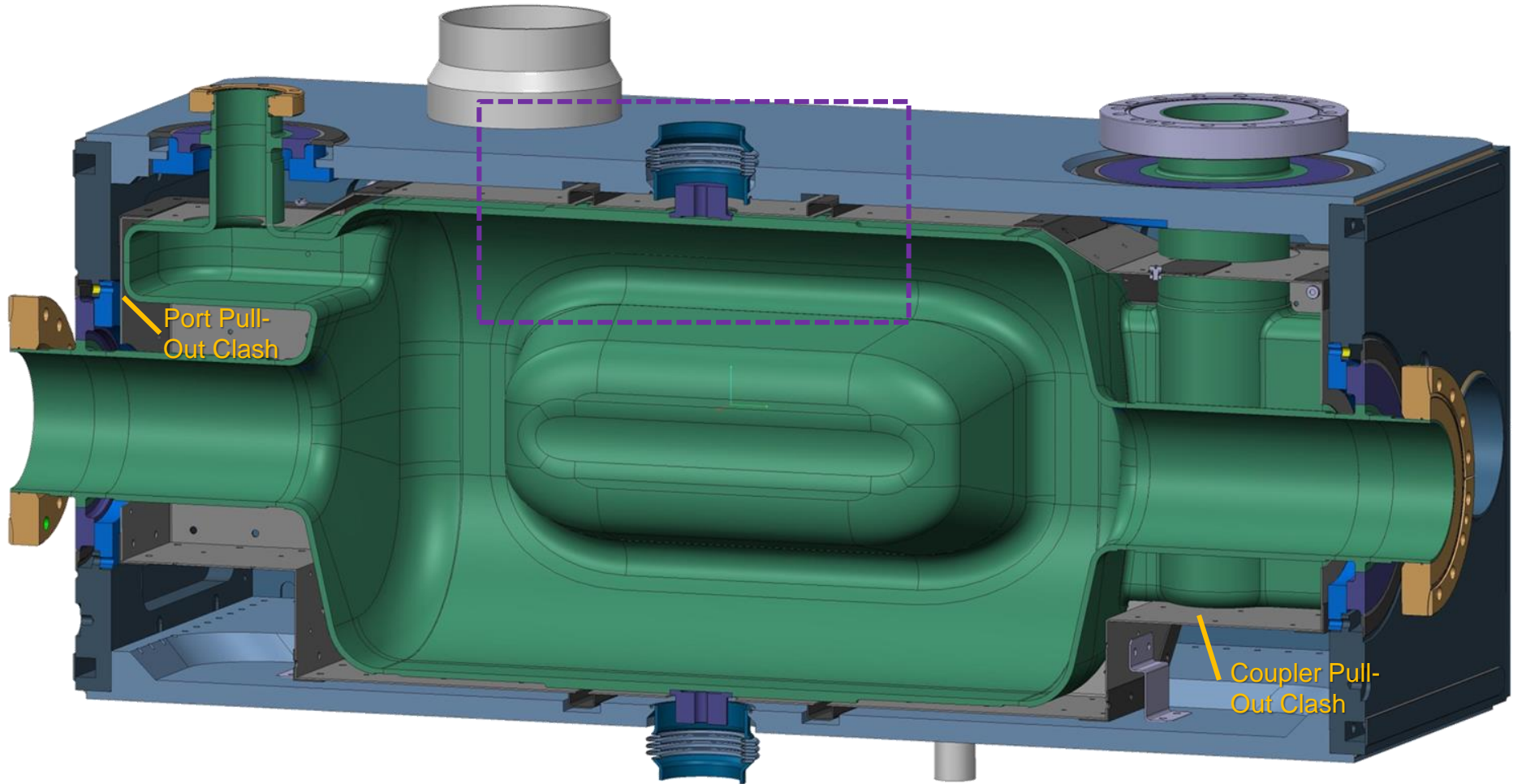


Cold Magnetic Shield Update

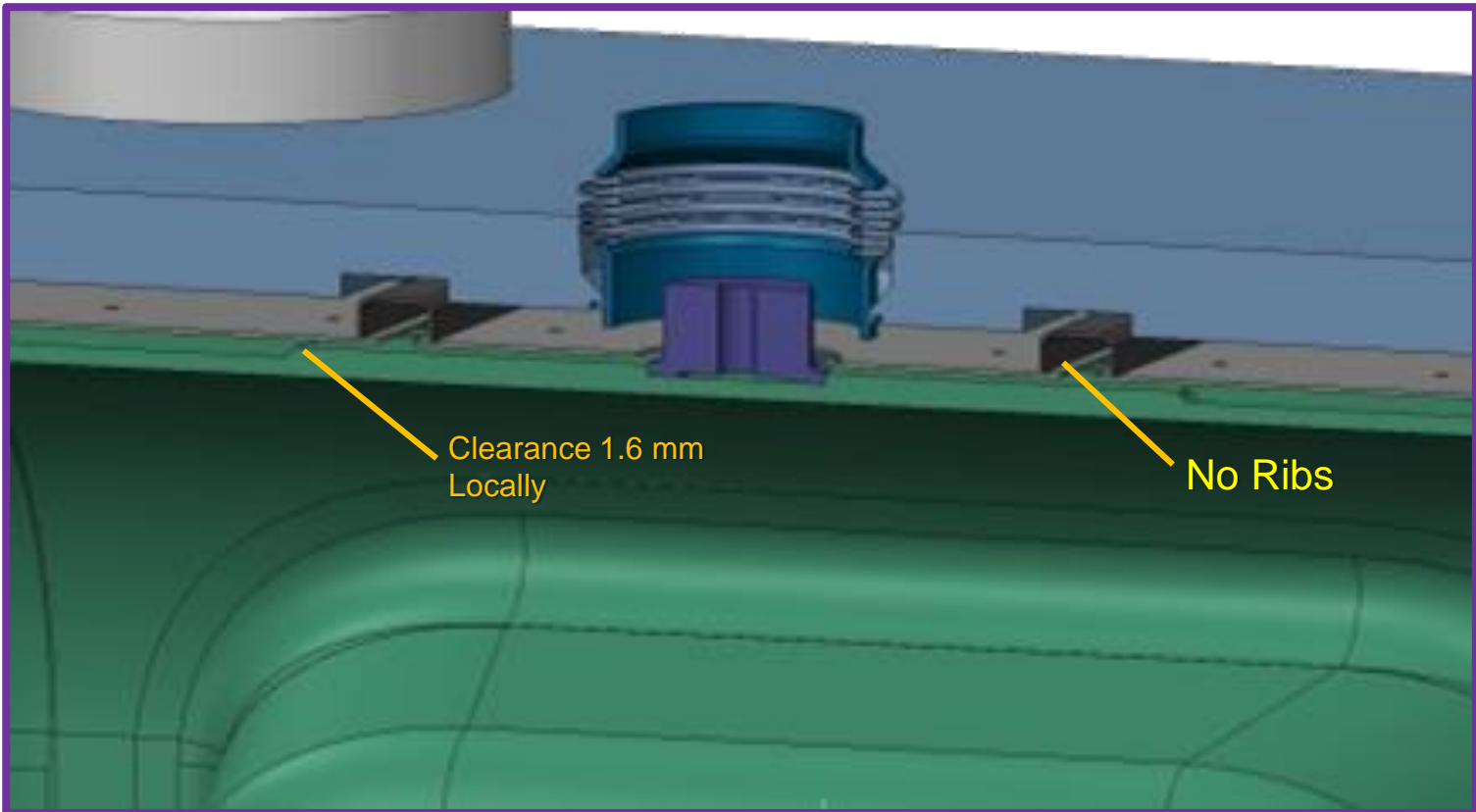
Niklas Templeton

11/06/18

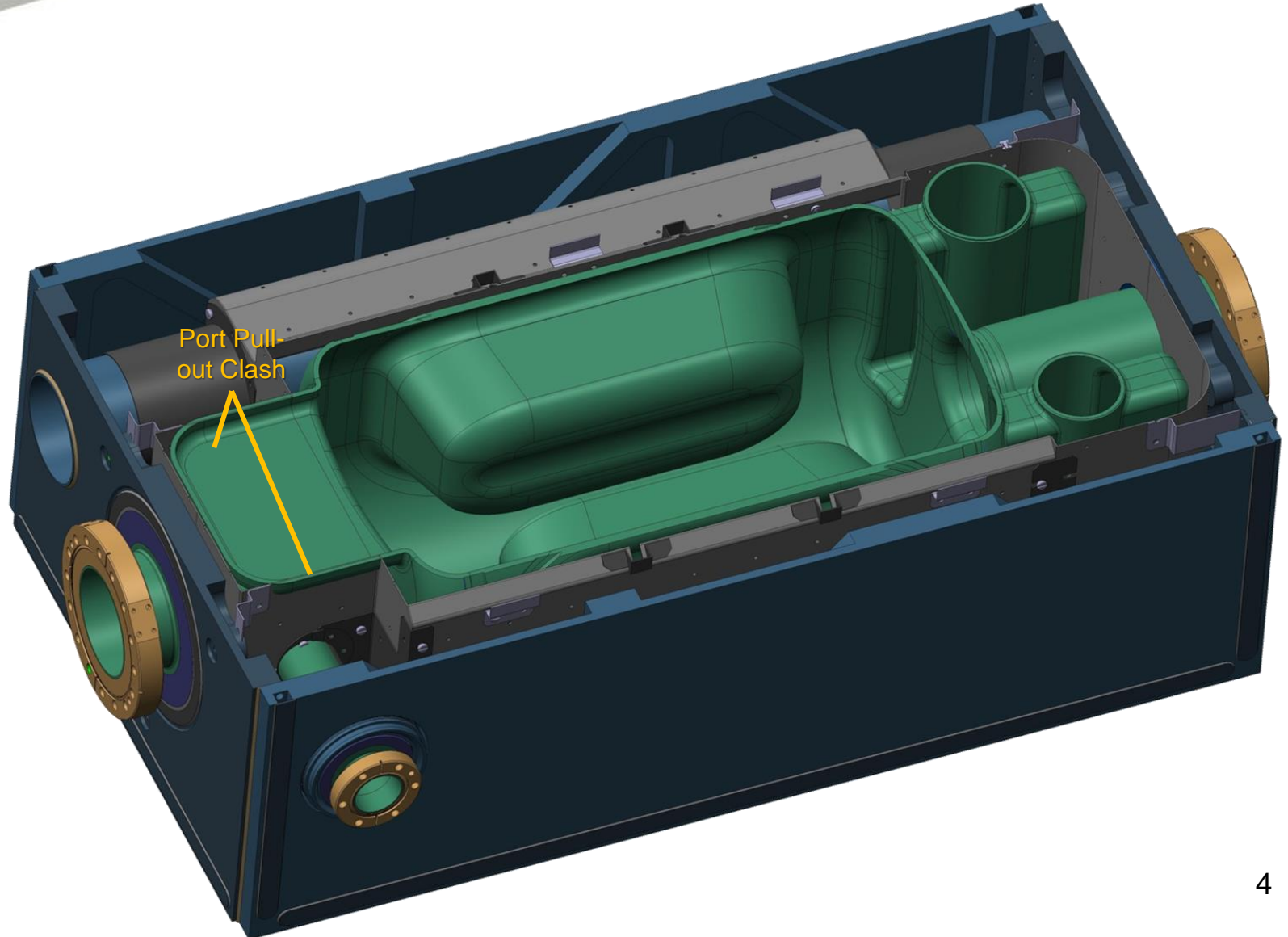
Issues - Previous Design



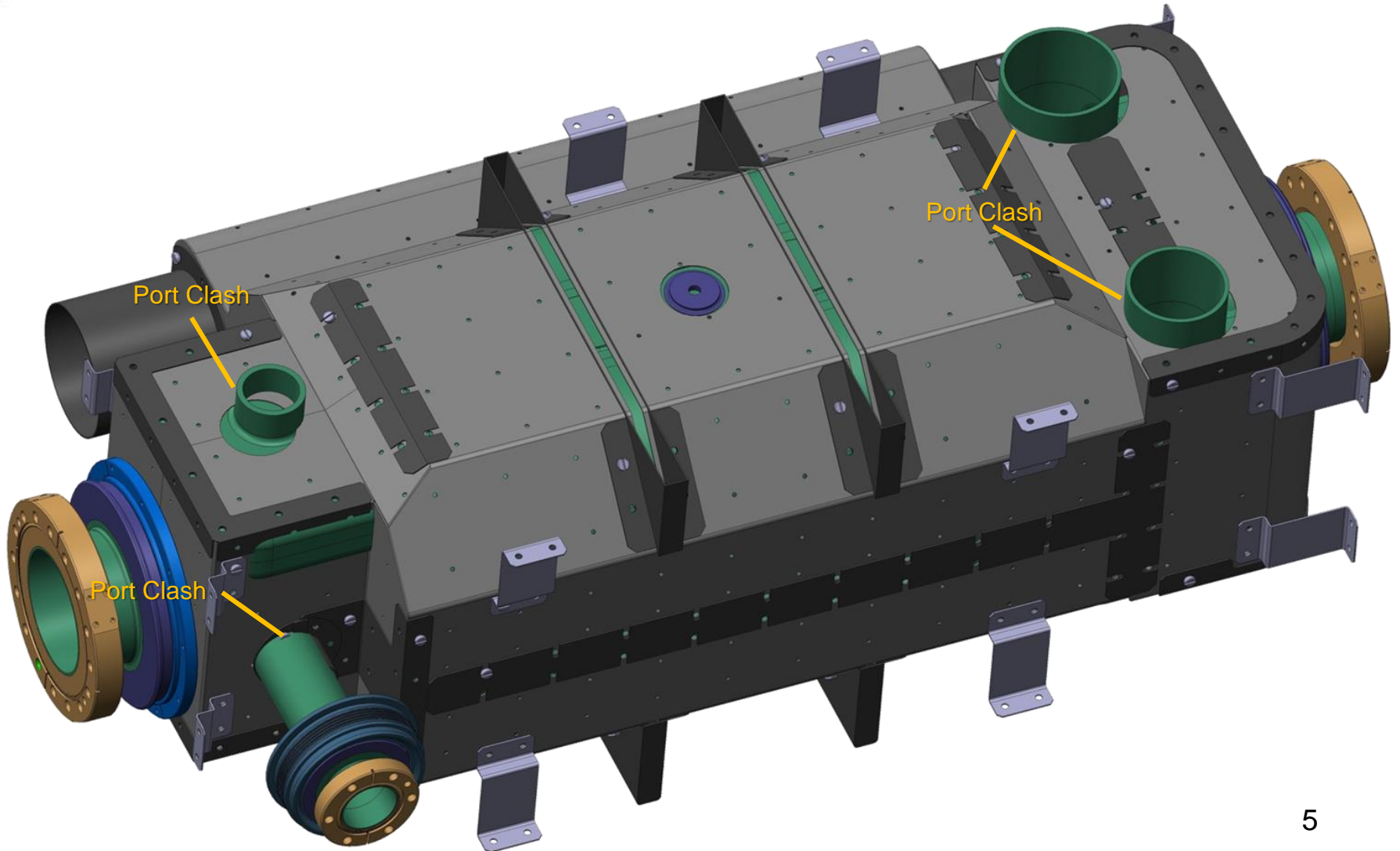
Issues - Previous Design



Issues - Previous Design

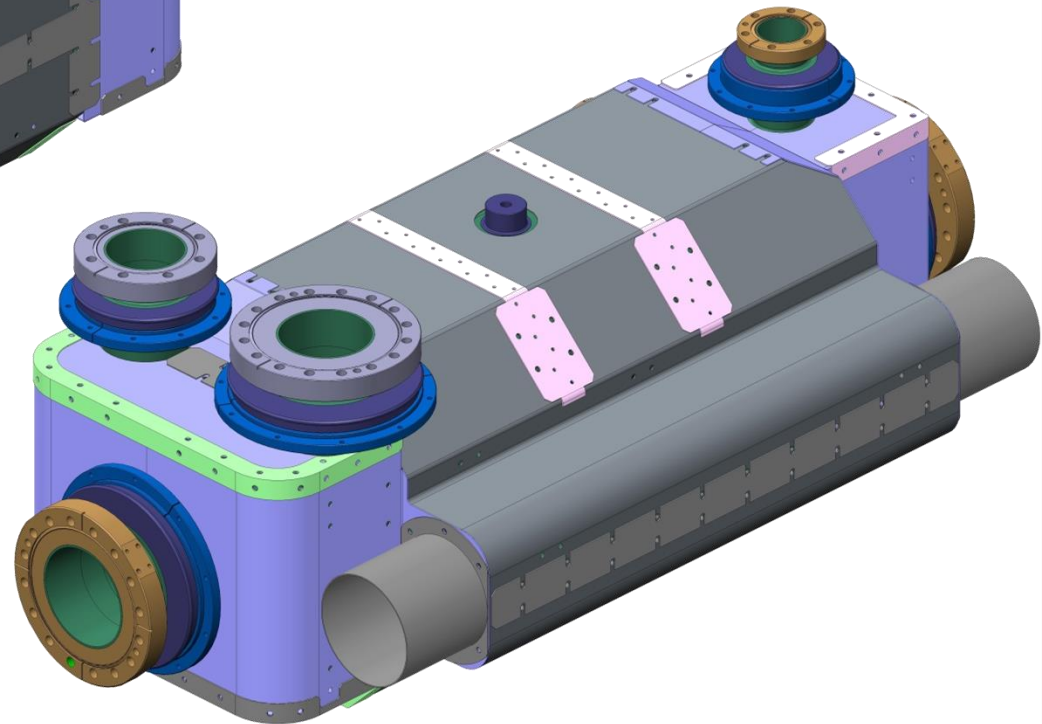
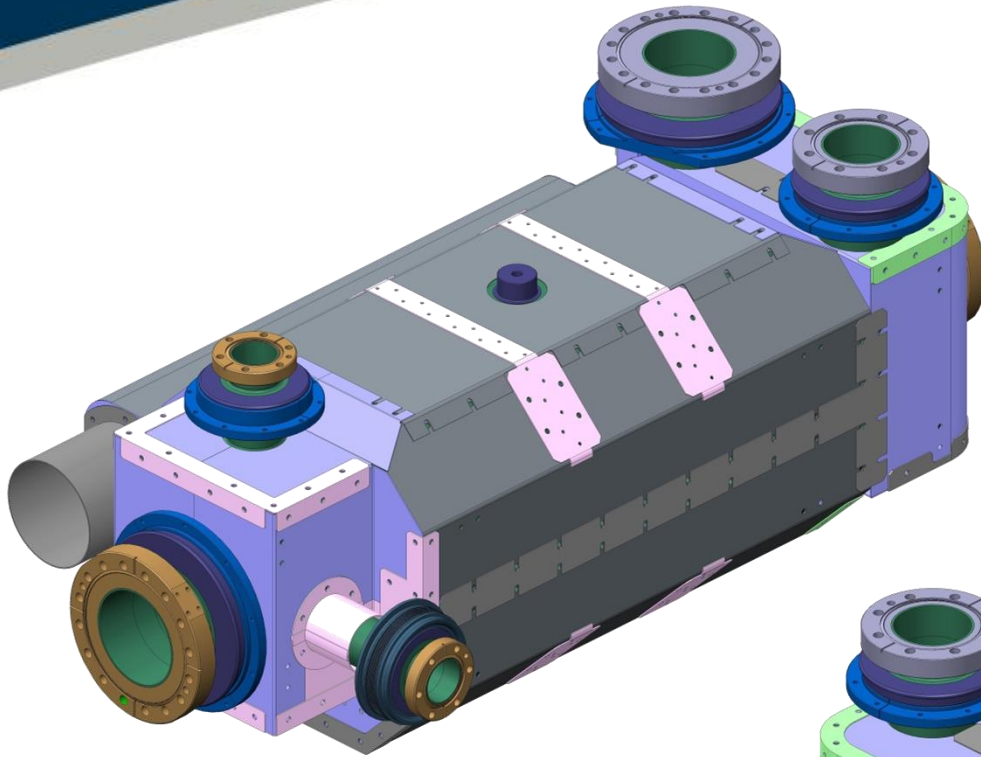


Issues - Previous Design





Current Design

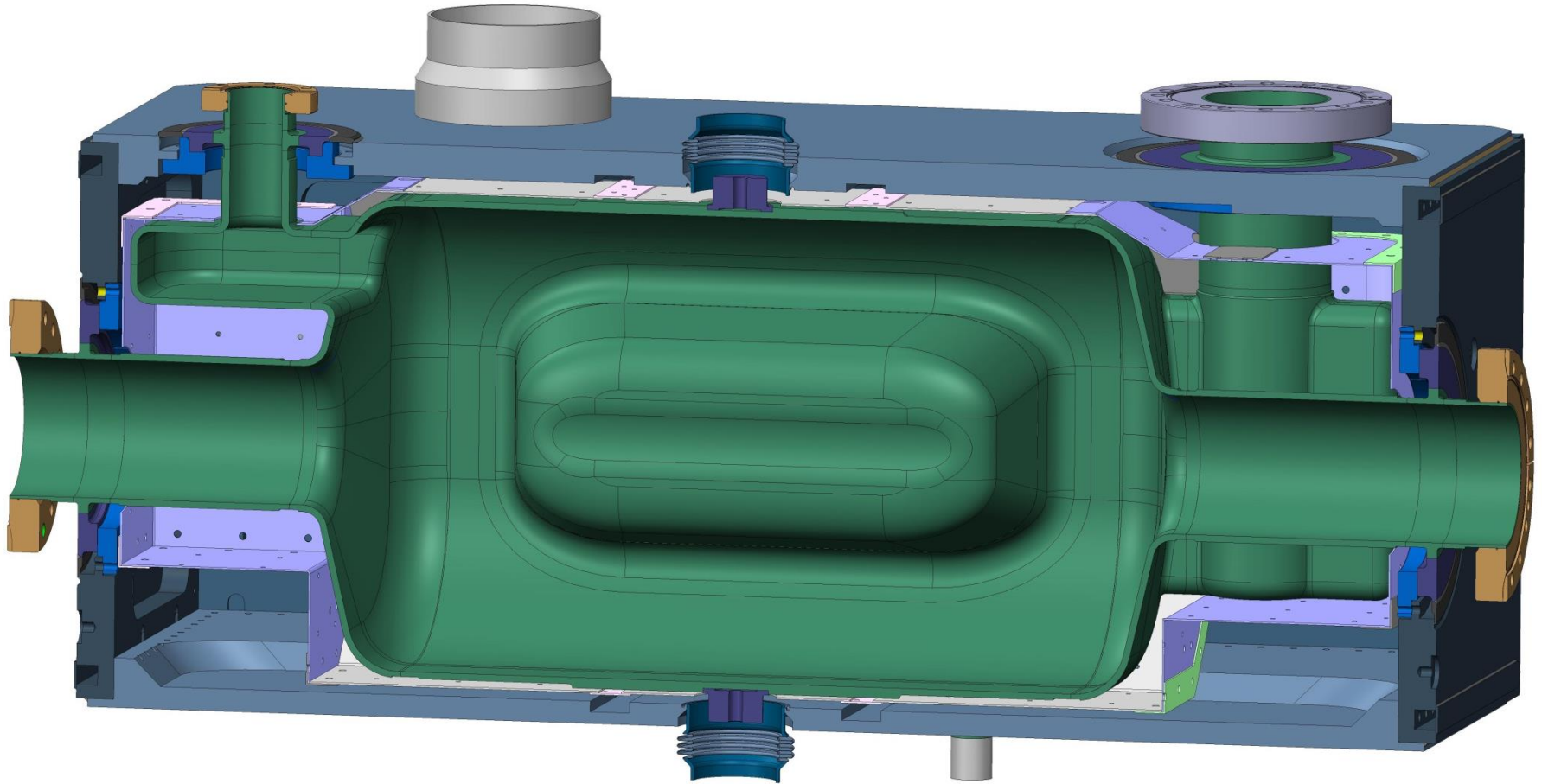


New Parts: 13

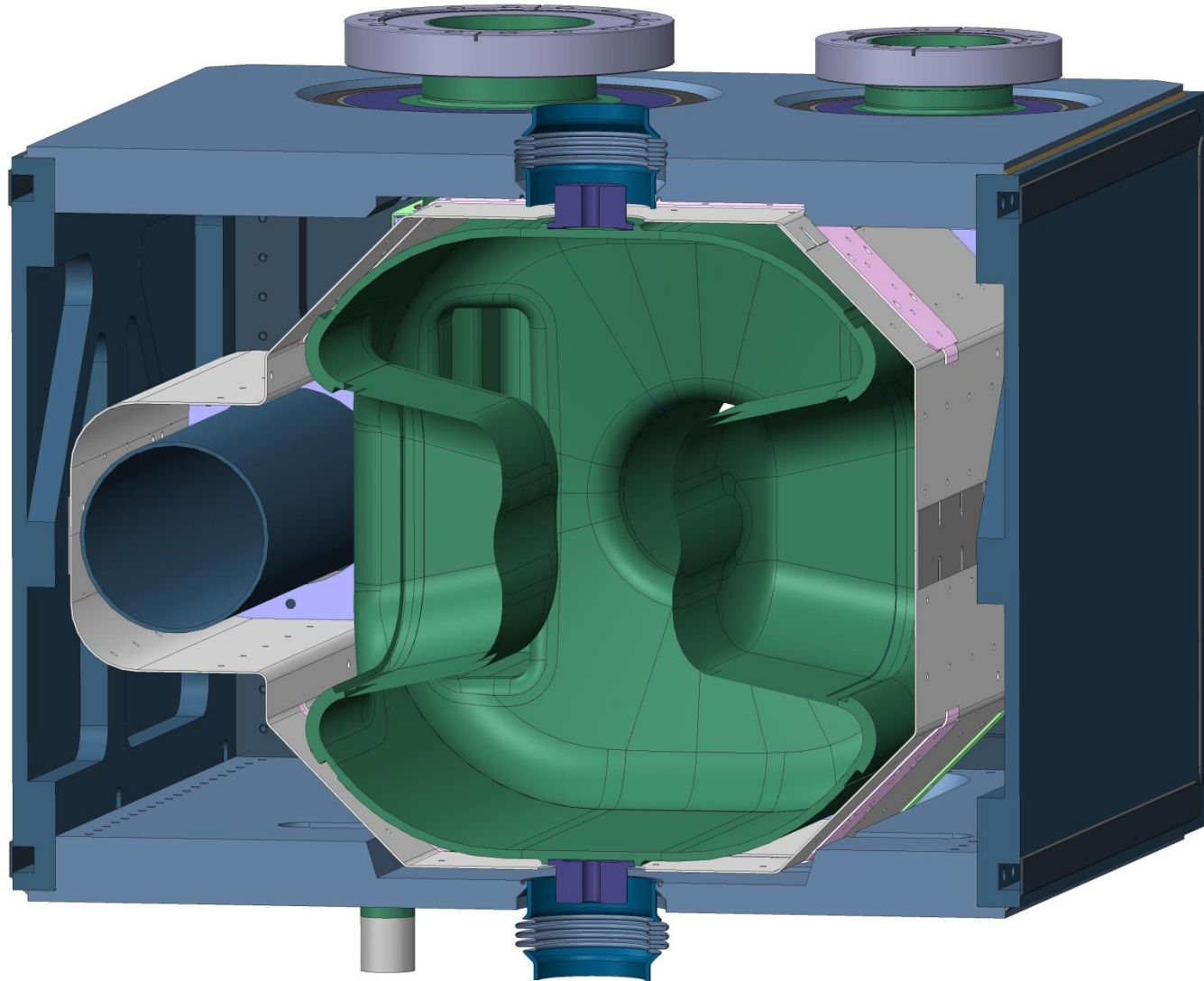
Modified Parts: 2

Unchanged: 9

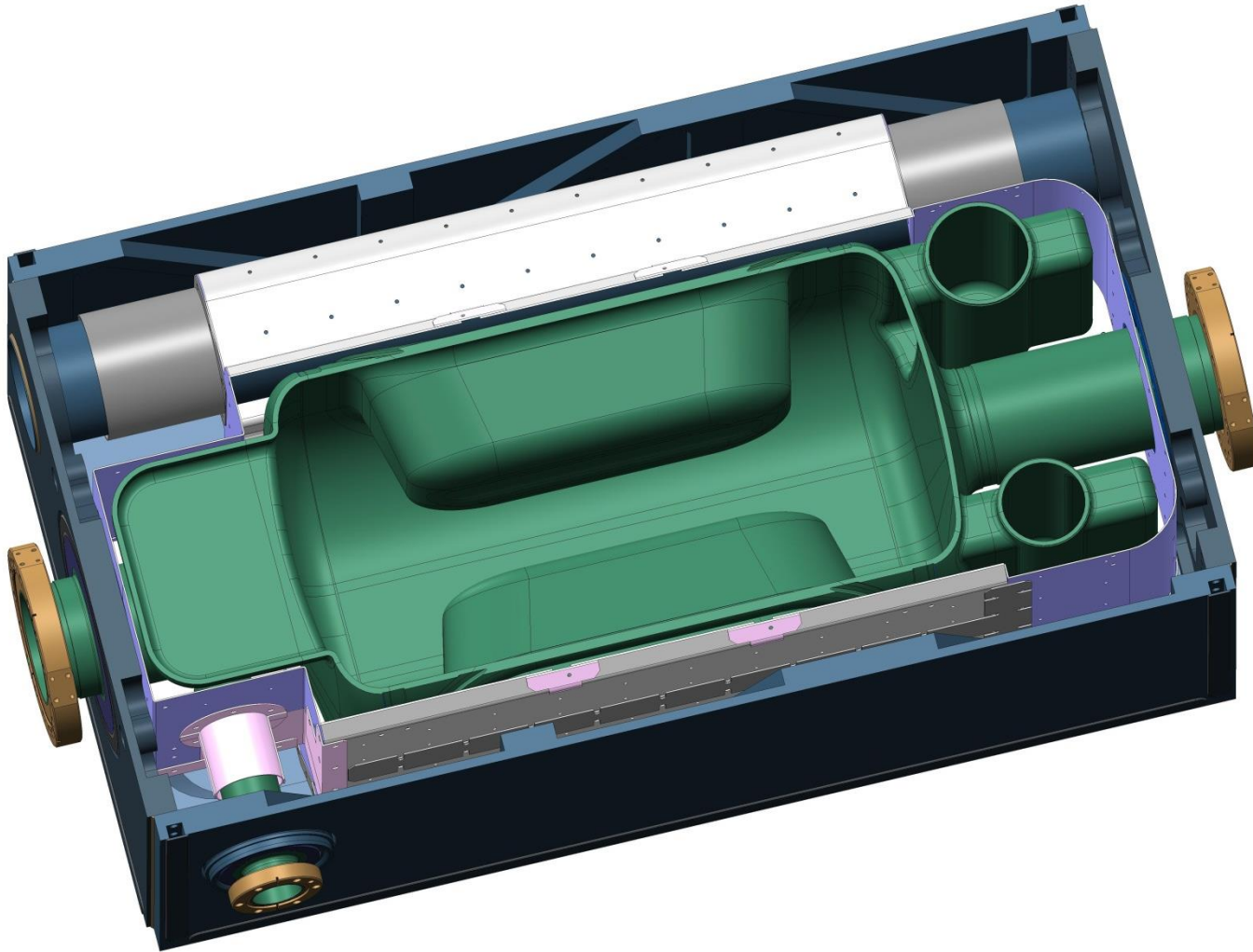
Current Design



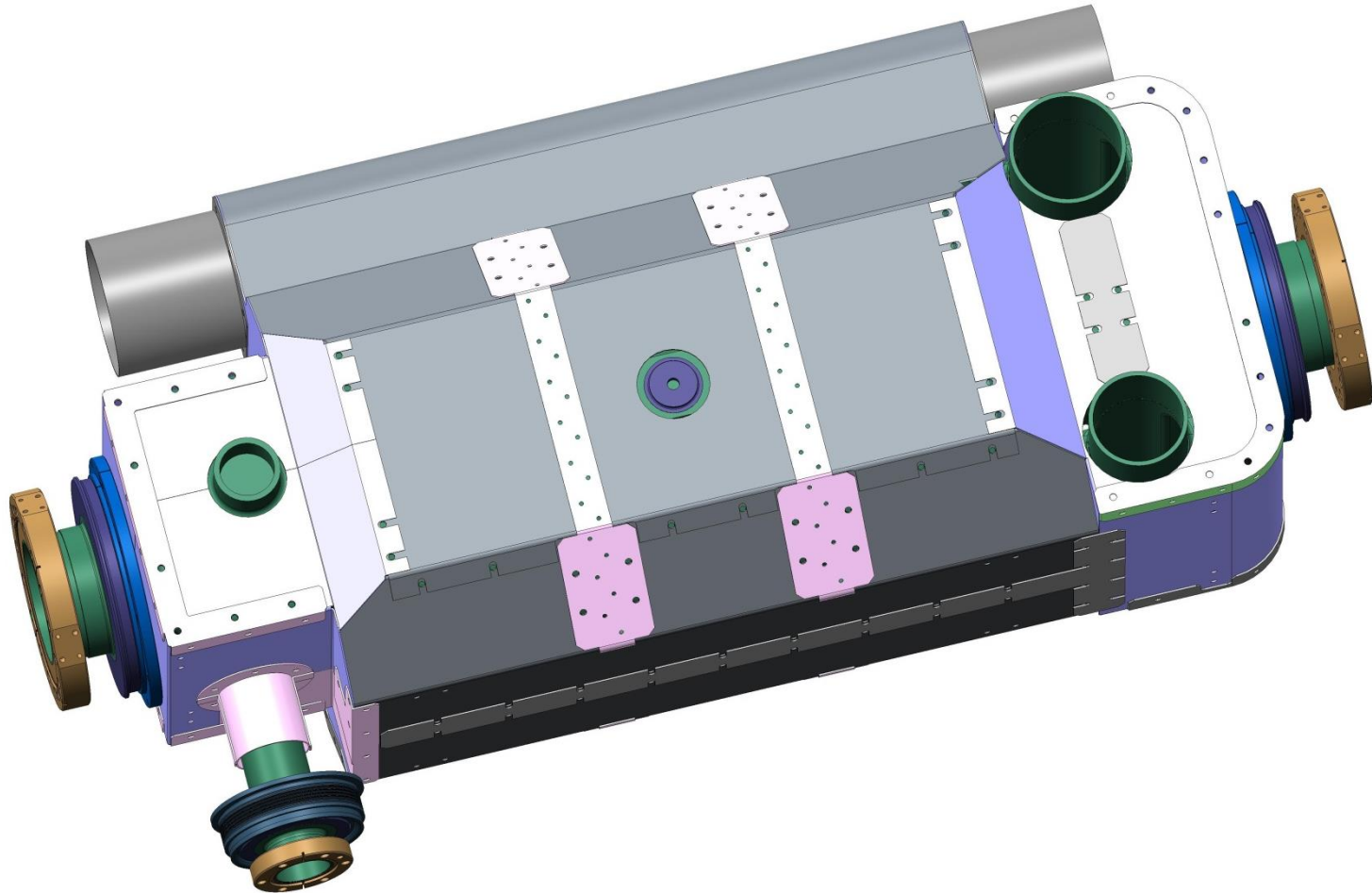
Current Design

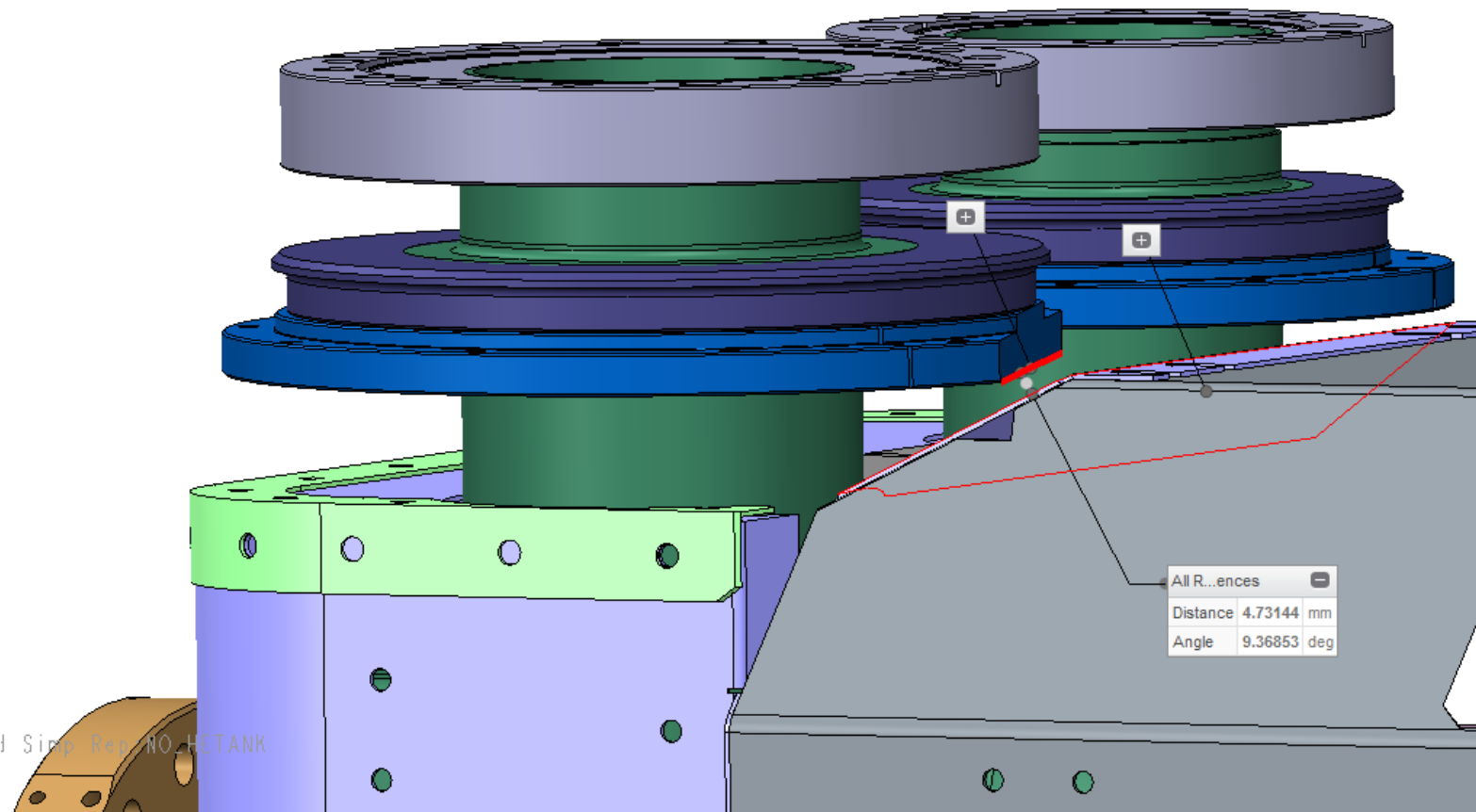


Current Design



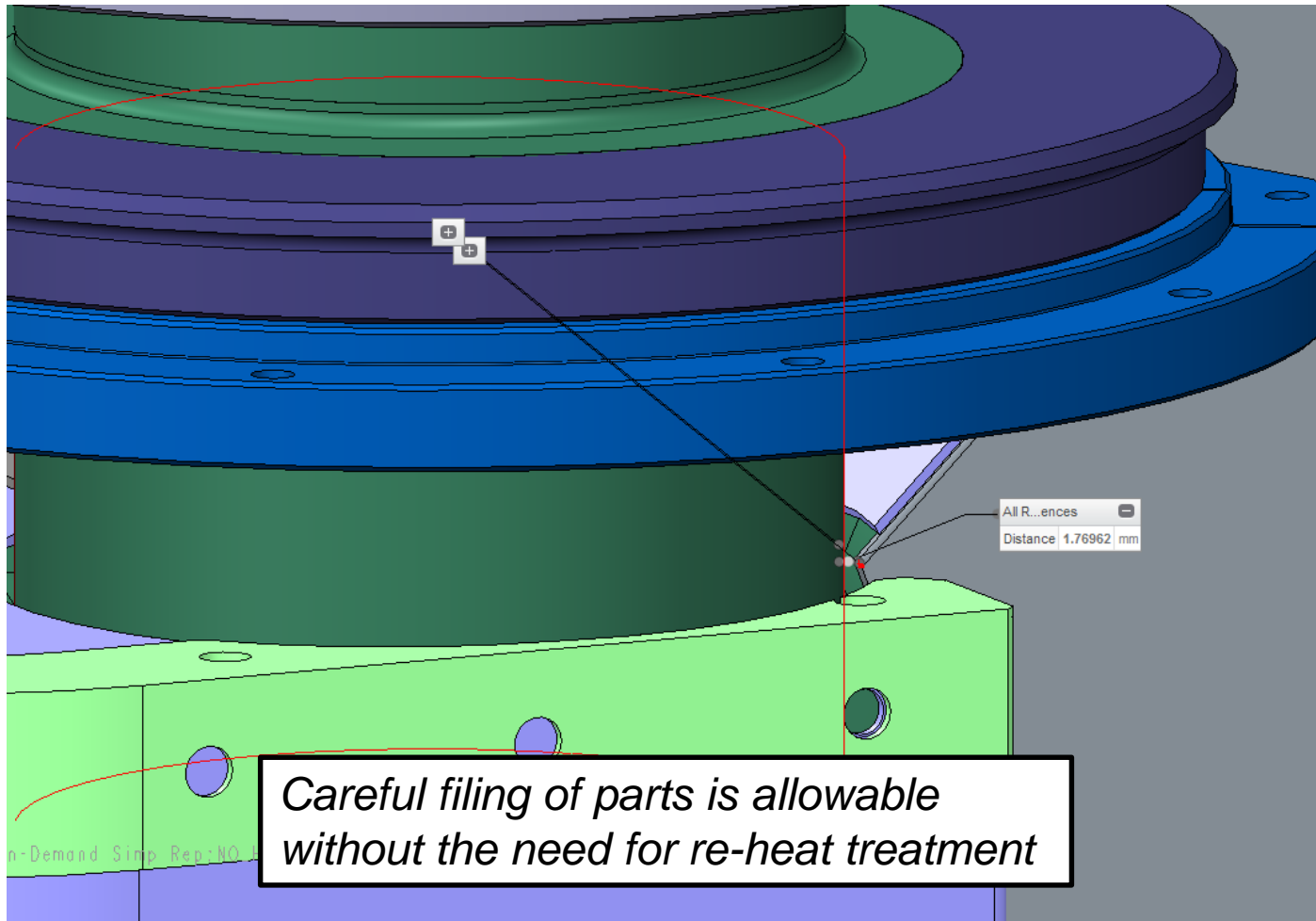
Current Design



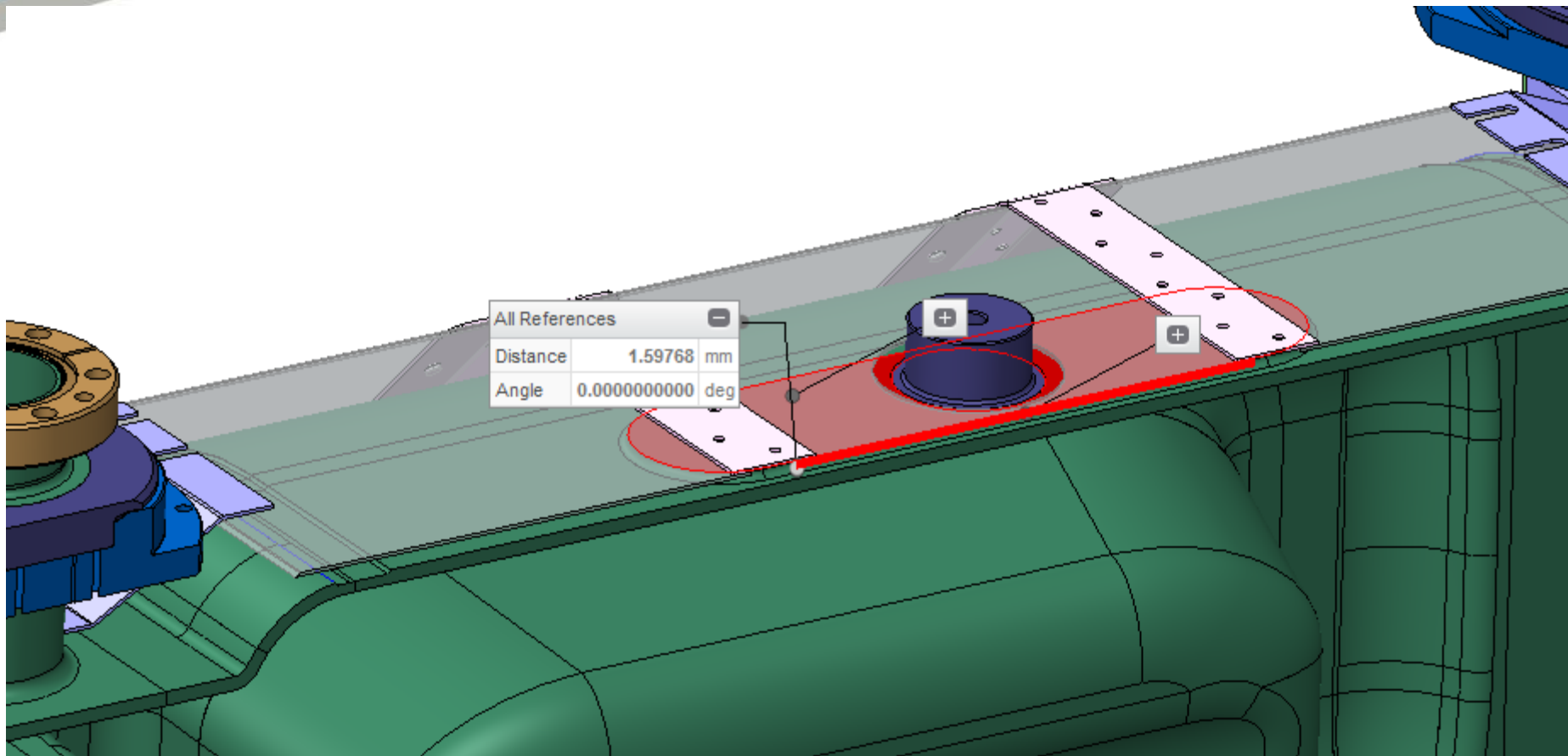


J Simp Rep NO HETANK

Remaining Issue



Remaining Issue



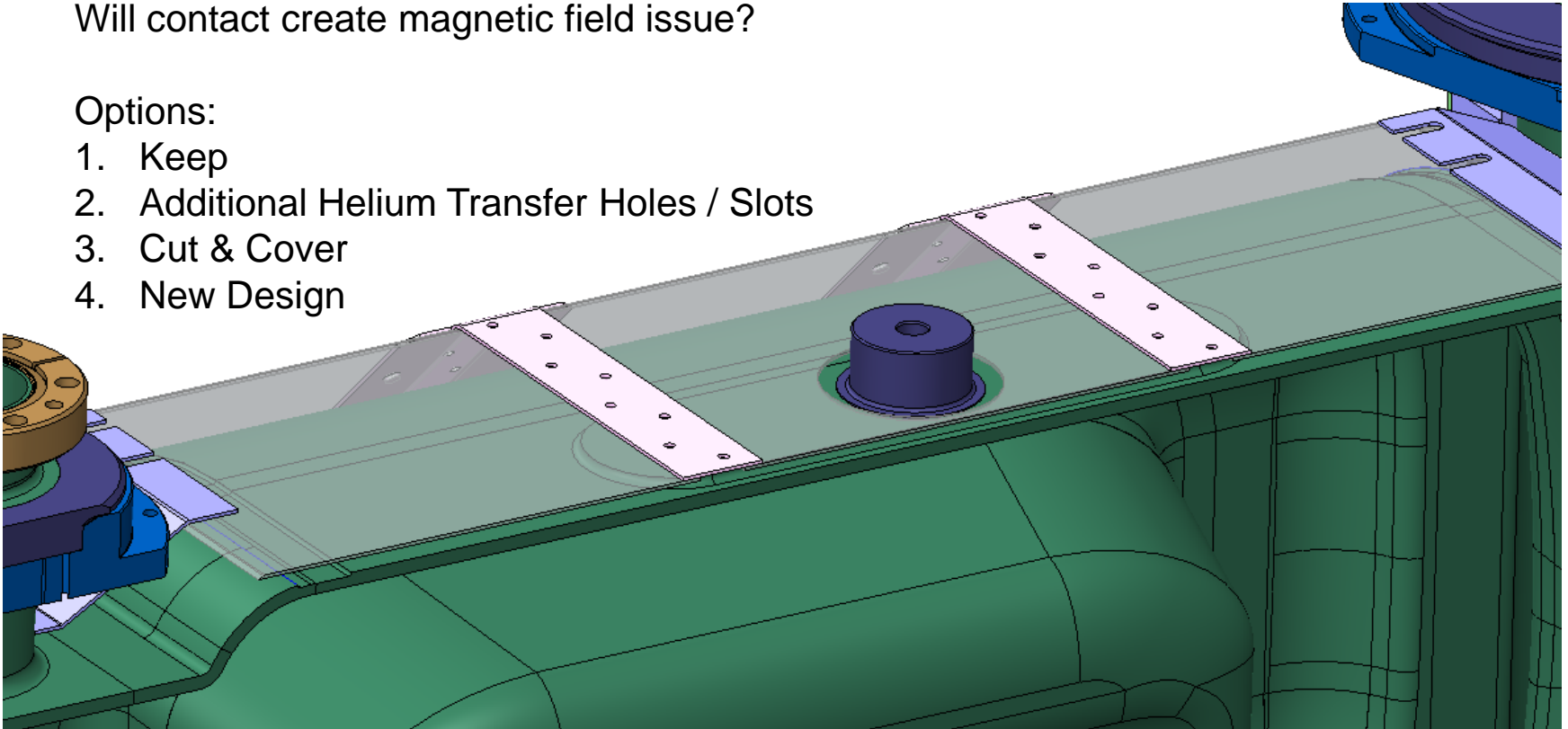
Discussion?

Potential Cooling Issue – Is this an RF ‘Hot Spot’?

Will contact create magnetic field issue?

Options:

1. Keep
2. Additional Helium Transfer Holes / Slots
3. Cut & Cover
4. New Design



Next Steps

- Resolve Remaining Issue
- Discussions with MSL - 19/06
- Support Bracket Studies
- Assembly Evaluation with Helium Tank
- Revised Specification Drawings
- Procurement



Thank You!

Questions?

Assembly Check

