

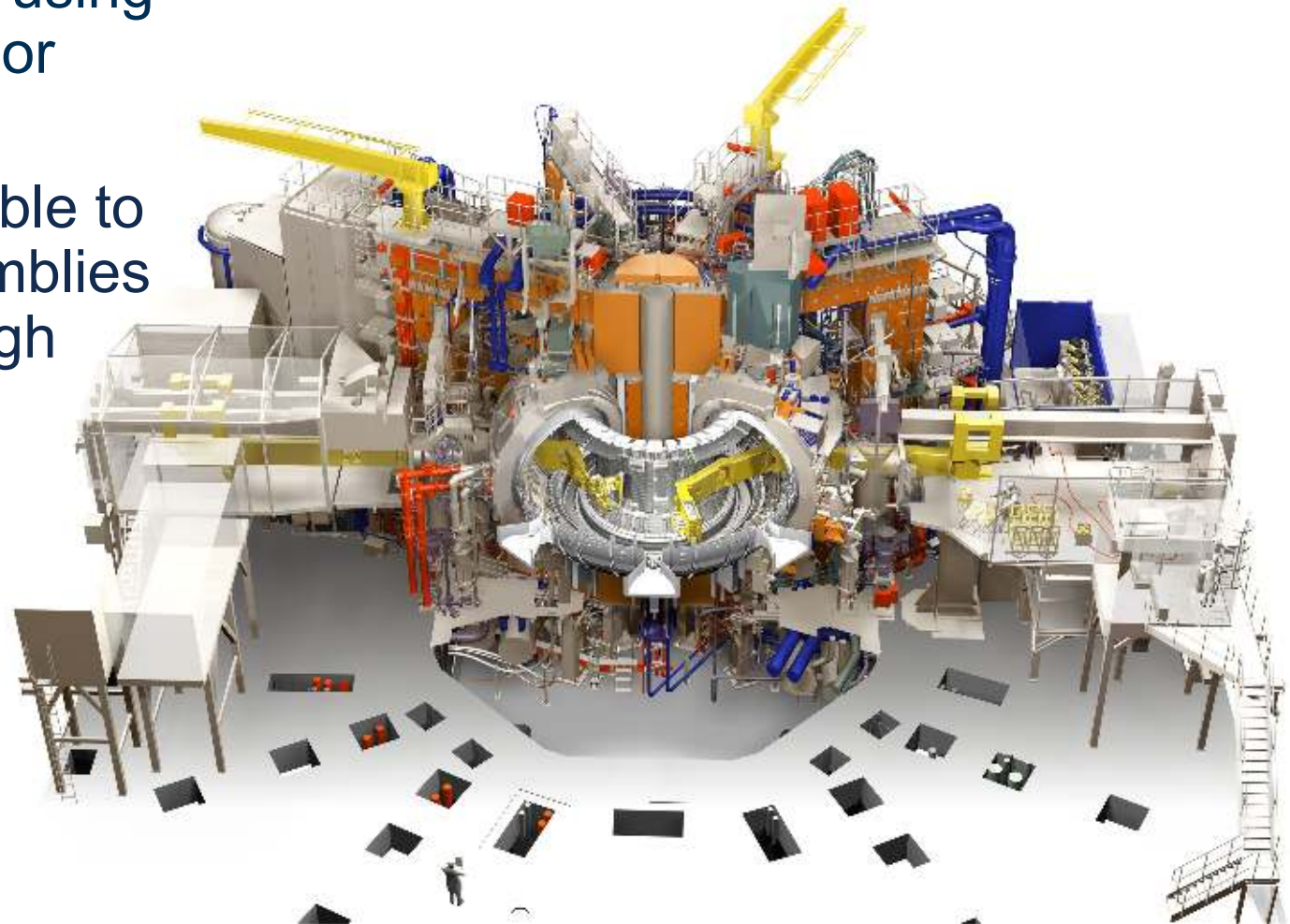


Decommissioning and Repurposing - RACE

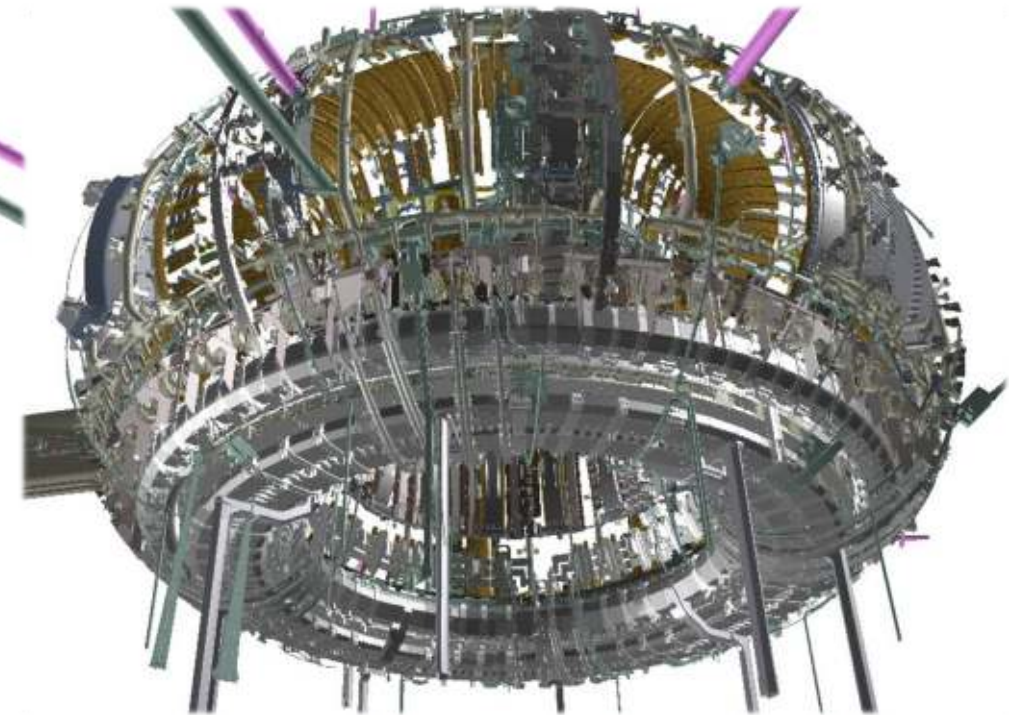
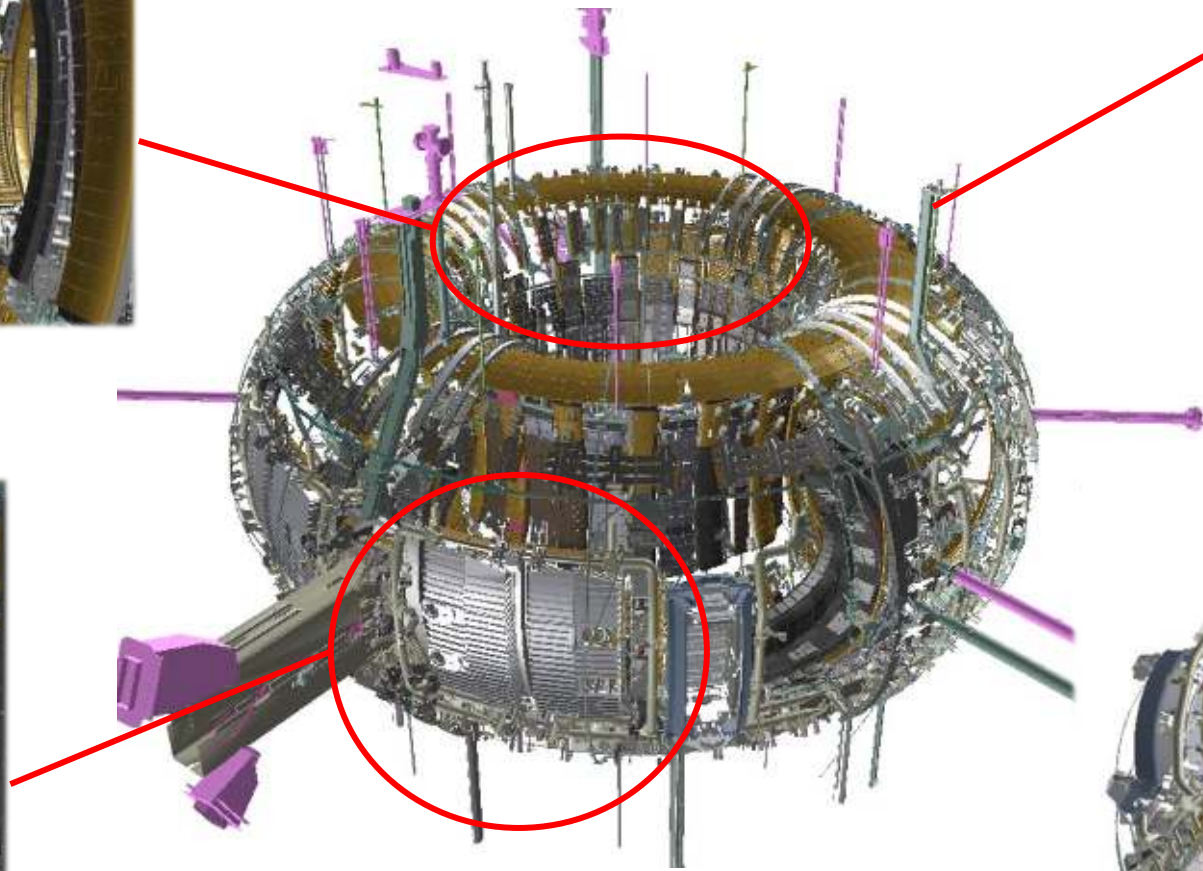
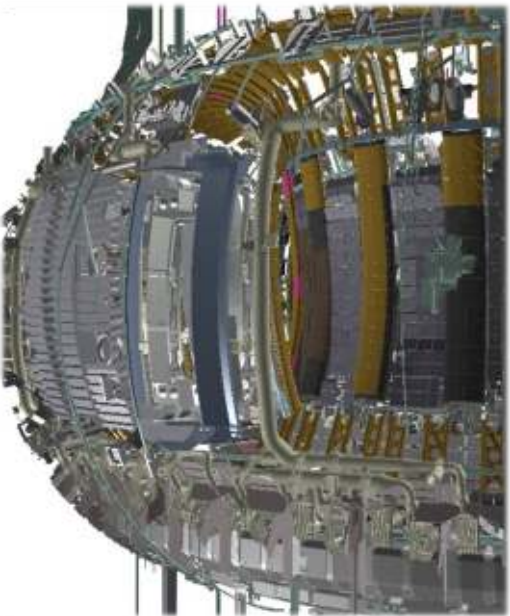
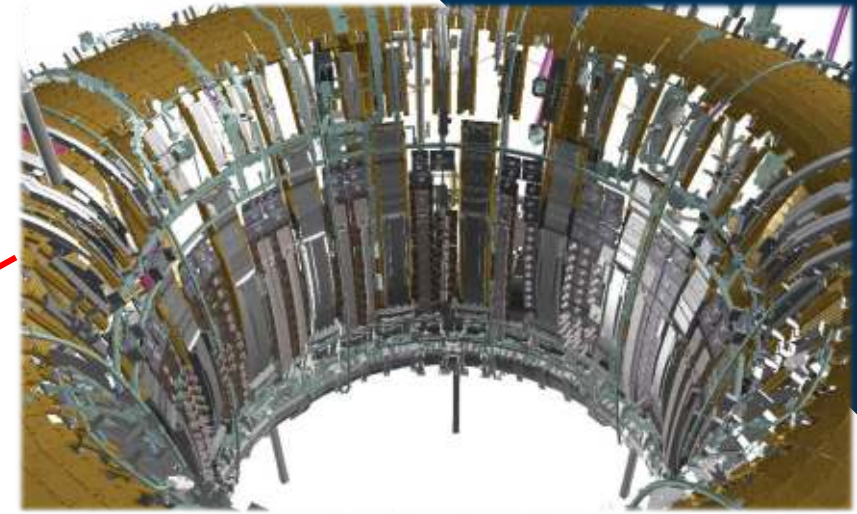
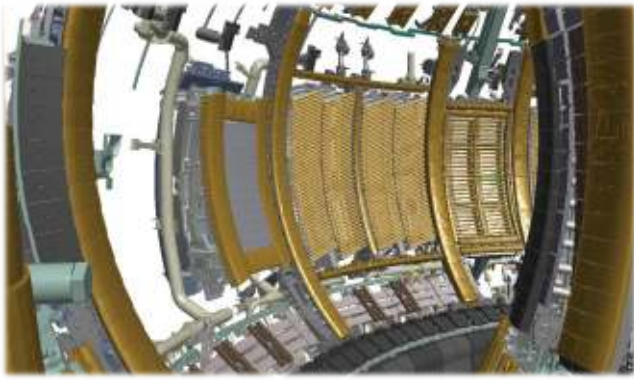
Steve Gilligan – Head of Project Delivery & Decommissioning
8th Supplier's Event

The In-Vessel Removals Project

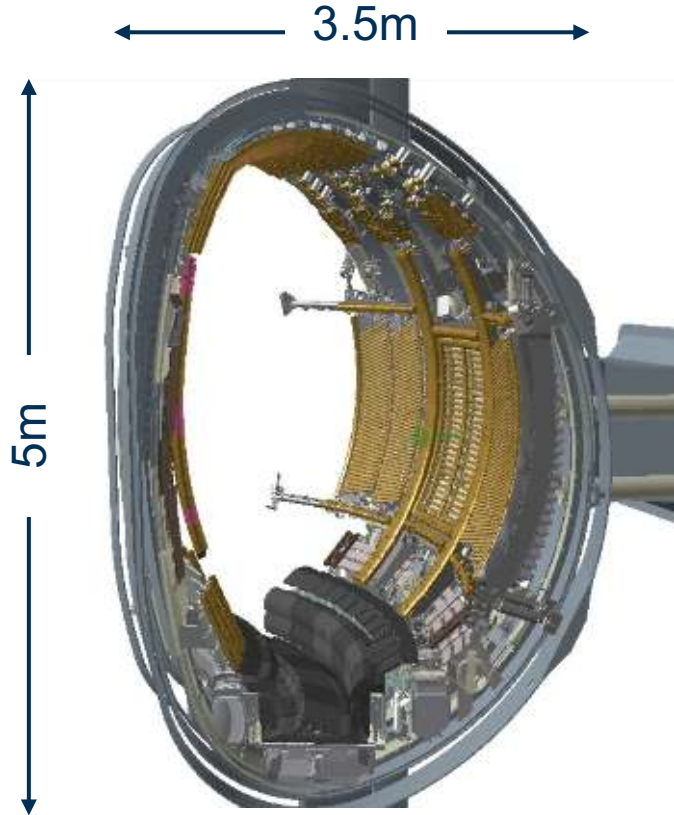
- Removal of the in-vessel components using remote handling technologies is a major project within JET decommissioning.
- Novel approaches are needed to be able to remotely remove or size reduce assemblies in situ and to transport them out through the vessel ports; minimising contamination and keeping people away from the high radiation fields.



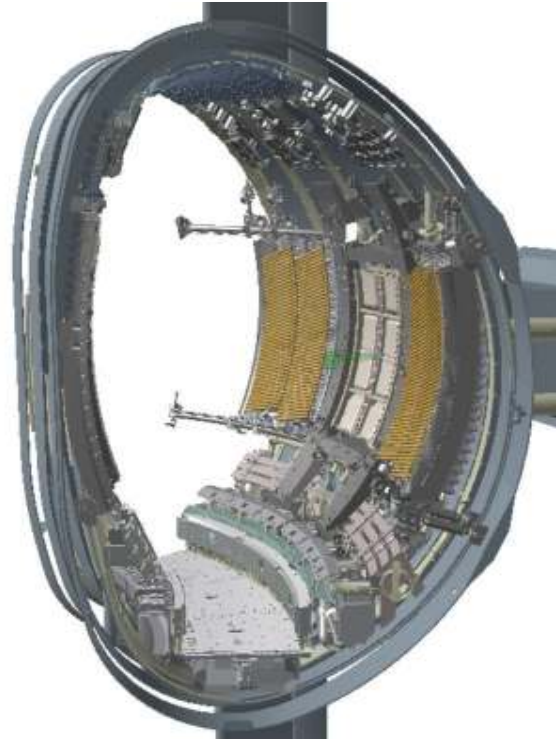
The Inside of the JET Vessel



Potential Phasing



At start of RH Removals



At end of 1st Phase

Remove components and assemblies that were previously installed remotely



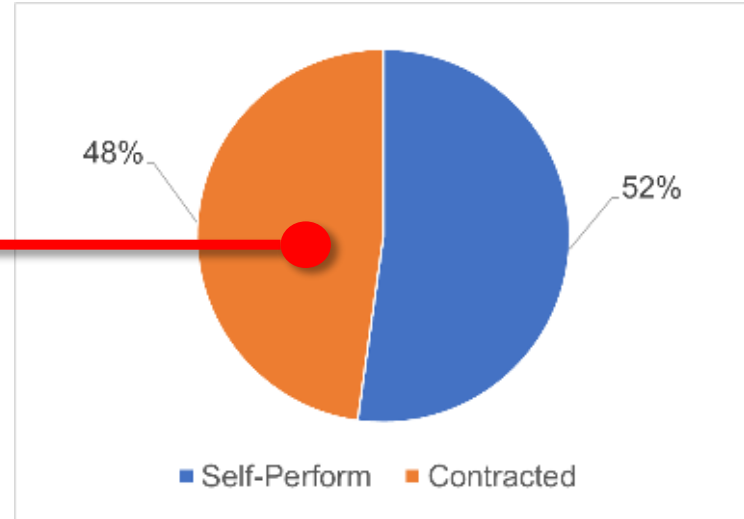
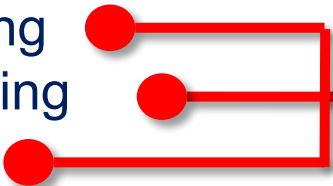
At end of 2nd Phase

Size reduce or dismantle other in-vessel assemblies and structures that if not removed will prevent separation of the vacuum vessel

What do RH need from the supply chain?

Trials

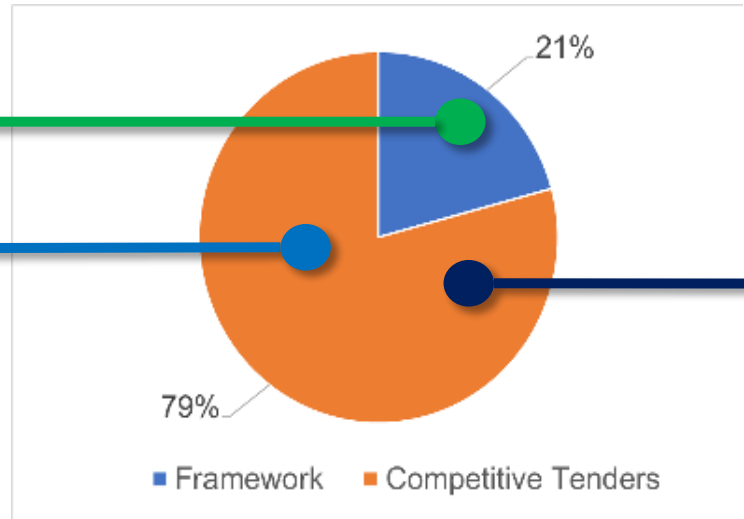
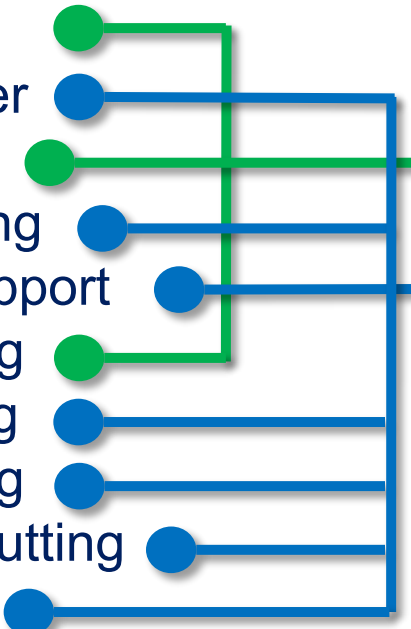
- Cold Cutting
- Laser Cutting
- Viewing



- Remote Handling is a long-lead project.
- Planning is well advanced
- The make / buy strategy is also being developed.

Engineering & Design

- Cutting
- Transfer
- Lifting
- Handling
- RH Support
- Welding
- Viewing
- Sensing
- Cold Cutting
- Laser



Procurement / Manufacture

- Test Devices
- COTS
- Fabrication
- Machining
- Sub-Assembly
- Integrated Solutions

For more information

Contact: enquiries@JDR.ukaea.uk