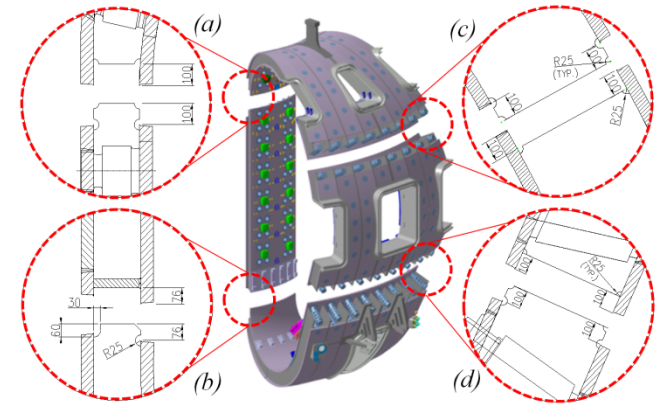
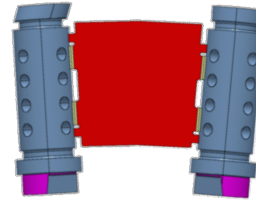


Manufacturing Design and Progress of the First Sector for ITER Vacuum Vessel (FIP/1-6Rb)

□ Manufacturing Design of the First Sector

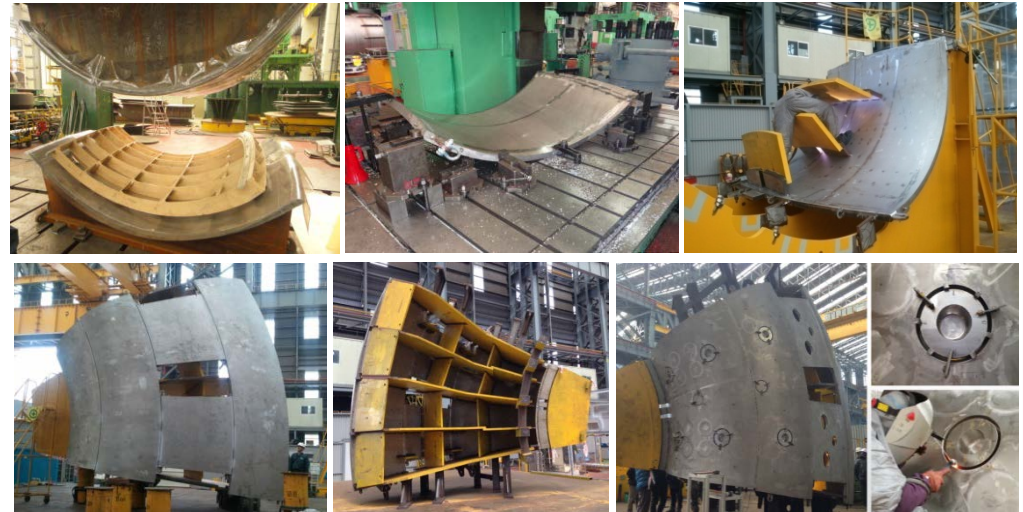
- The manufacturing design of the first sector has been developed in accordance with the RCC-MR code and the regulatory requirements by HHI as a supplier.
- The design of Korean VV sectors introduces special concepts like a self-sustaining welded IWS rib and cup-and-cone type segment joints to minimize welding distortion.



[Self-Sustaining IWS Rib Cup-and-Cone Type Segment Joints](#)

□ Manufacturing Progress in Korea

- Several real scale mock-ups had been constructed to verify and develop the manufacturing design and procedures.
- The first sector has been manufacturing slowly at the front of ITER project as a nuclear component since 2012.
- All poloidal segments for the first sector are being fabricated simultaneously. Fabrication speed could be getting better after solving current issues.



[Progress of Upper Segment for the First Sector](#)