Westinghouse's Activities and Capabilities in Support of Fusion Technology Development

Westinghouse position on Fusion **Technology and Service Provider**

We leverage capabilities and know-how built over 60+ years of Nuclear Power Plant development and commercialization

Partner in co-developing technologies that benefit both Fission and Fusion

Our innovation portfolio supports Westinghouse's products and cross-cutting areas (a.k.a. Technology Bricks)

Not a Fusion developer – agnostic to the type of **Fusion technology**

We provide the right added-value based on our capabilities and priorities

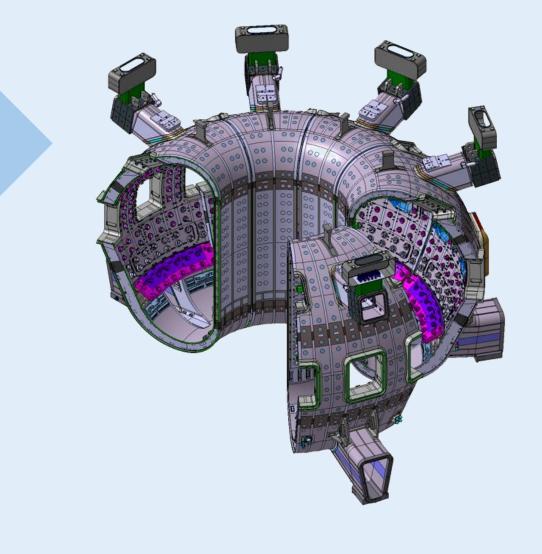
1. Manufacture of ITER's Vacuum Vessel Sectors ... and in-situ welding

ITER's Vacuum Vessel 9 sectors total, 5 of which are manufactured by the Ansaldo – Westinghouse – Walter Tosto consortium (and subcontractors)



Vacuum Vessel welding: indicative timeline







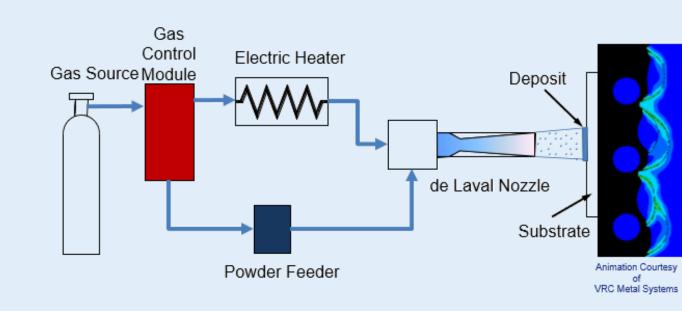
Sector 5

(first European sector delivered to ITER)

Westinghouse involvement in Fusion ... some examples

- 2. Support to specific Fusion developers
- 3. Testing of corrosion protection of fusion components facing liquid Pb-Li and FLiBe blankets (INFUSE project)











- Testing and R&D capabilities
- Digital design
- System and component design
- Supply chain development
- **Nuclear-specific Al**
- Plant layout and modularization
- Advanced instrumentation
- Etc.

- Westinghouse's main Manufacturing site in USA (Newington, NH)
- 7,900 + 4000 m² covered
- 16m max clearance under hook
- 200 tons max weight capacity



(a.k.a. Mangiarotti)

Westinghouse Manufacturing site in Italy

- 43,000 m² covered / ~170,000 m² total area
 - 14m (23m) max clearance under hook
- 600 tons max weight capacity ~32 m width/bay / 5 bays
- ~250 m max length

