

OVERWATCH

Remote In-Vessel Visual Inspections



GE VERNOVA

HITACHI

Fact Sheet

Overwatch is a multi-purpose tooling solution that utilizes two multi axis robotic arms mounted on the reactor pressure vessel guide rods that performs core verification, visual inspections, and water washing cleaning capabilities. The technology is built to compliment our current GEN IV RDATA software architecture utilizing high-definition cameras mounted on the end of the arm. Drawing upon existing industry experience and GE Vernova Hitachi IVVI technology, the tooling was developed to encompass synergies pertaining to IVVI services as well as the capability of providing remote Core Verification Services.

Critical ASME and BWRVIP Visual Examinations

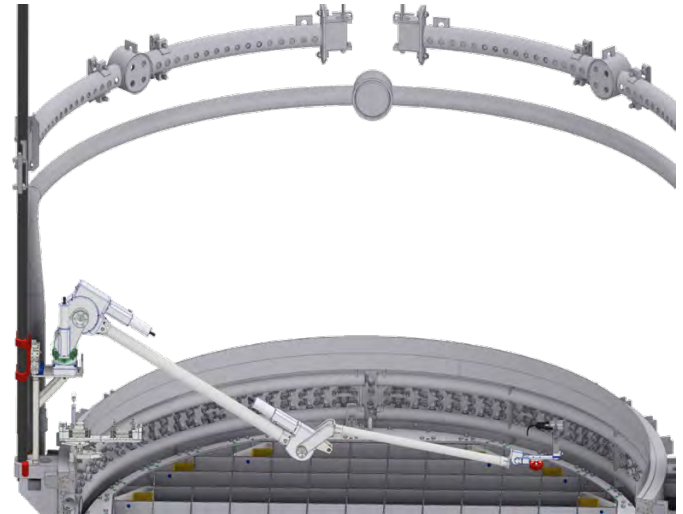
- Core Spray Piping
- Feedwater Piping
- Top Guide Grid Beams
- Dry Tubes
- Cleaning Capability (water washing)
- Cladding

Benefits

- DOSE Savings – Control and view inspections from outside containment
- Critical Path Savings – Enables exams to be performed in parallel with other activities
- Wireless Video Transmission
- High-Definition Permanent Digital Record
- 360 platform not needed

Capabilities

- Core Mapping
- Bundle Seating
- Bundle Orientation
- Reactor Maintenance Support
- Control Rod Blades & Instruments



Learn more at gevernova.com/nuclear