BMI Nozzle and J-Weld Examination
Simple Reliable Delivery Tools

Comprehensive inspection capability for both mandatory as well as voluntary inspections within the Bottom Mount Instrumentation (BMI) Nozzle or J-weld.

Wide range of technologies
Global requirements for BMI nozzles and J-weld examination vary widely. Our broad experience can efficiently deliver technologies including:

- UT of the nozzle and nozzle-weld interface from nozzle ID
- ET of the nozzle ID
- Bare-metal visual of the vessel OD
- J-Weld EVT and Eddy Current

Nozzle UT: Features and Benefits
- Simple, reliable delivery using poles handled from refuel or auxiliary bridge
- Two tools operating in parallel minimize inspection time to provide best vessel occupation time of approximately 12 hours
- Qualification credentials include EPRI demonstration and EDF qualification
- TOFD technique supports detection and sizing
- In-line calibration standard verifies signal quality with each nozzle examined
- Experience with more than 1,500 nozzles inspected

J-Weld ET: Features and Benefits
- Pole-delivered tool from the re-fuel bridge: manually-controlled sweep of weld is simple and reliable
- Mouse probe allows full J-Weld coverage with only two passes
- Detects and determines orientation (circular vs. radial) of anomalies
- Unit contains PTZ camera for VT inspections of the OD of the nozzle and the J-groove weld area
- Quick setup
- Lessons learned from previous deployment incorporated in enhanced tool
AREVA has the broadest experience with BMI/BNM inspection and repair within the industry.

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