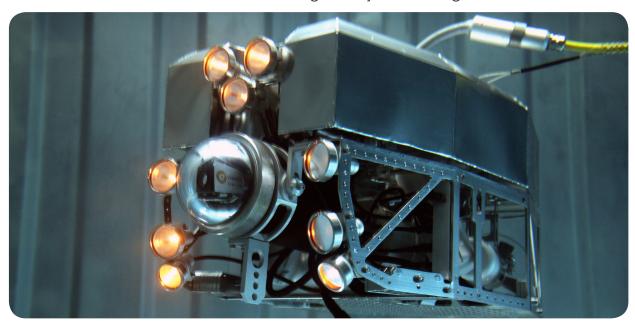
Multi-Functional Underwater Inspection System

SUSI Submarine-Based Inspection



Nuclear plants worldwide expect a variety of underwater activities to be performed during an outage. And they are turning to AREVA for an extensive toolkit of solutions to get the job done right.



Plants are constantly challenged when trying to inspect hard-to-reach areas. They need to inspect both primary and secondary side components as well as RPV internals. That's why AREVA's global resources developed the Submarine System for Inspections (SUSI).

SUSI is available in a variety of models to meet your specific need: the 420, 270, 190 and mini. These robotic tools can visually inspect both primary and secondary side components and RPV internals. SUSI also performs visual ultrasonic inspections of baffle bolts. Plus, it can serve as a gripping device to retrieve foreign objects.

A variety of inspections

The SUSI 420 is utilized in the inspection of RPVs and RPV internals, the primary loop from the steam generator (SG) & main coolant lines, and can perform core check after reload. The SUSI 270 examines the main coolant pump housings and the top of SG tube bundles. SUSI 190 and Mini-SUSI can verify the integrity of SG tube bundles and gaps.

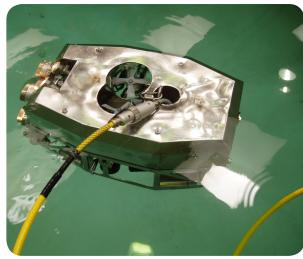
In fact, SUSI can examine most reactor coolant system components as well as pressure vessels, tanks and piping in nuclear power plants worldwide. In addition, the robot can be calibrated under water at any time during the inspection. A separate satellite camera system can be deployed with SUSI or on its own to further enhance inspection results in hard-to-reach areas.

Features and Benefits

- Efficient inspection for both the primary and secondary side
- A variety of models to meet your specific needs
- Fully remote operation reduces dose
- Reliable baffle bolt inspections save time and get you back on the grid safely







The standard for baffle bolt UT examination

SUSI is an essential tool for highly effective Baffle Bolt Exams. Want enhanced reliability? SUSI delivers - and also saves time. In fact, AREVA recently developed a specialized UT technique to inspect baffle bolts for a customer with an urgent need. The technique was demonstrated and tested on samples of the same type of bolts slated for inspection. The entire process, from phone call to delivery, took only two weeks. But there's more. The UT examination on-site progressed so well, the scope was expanded to encompass ALL eight rows or 864 of the customer's baffle-to-former bolts. All completed in just 56 hours.

Put SUSI to work for you

Reliability. Performance. And speed. It all adds up to SUSI. AREVA's global resources stand ready to put this dynamic innovation to work for you.

Your plant can be confident in the accuracy and predictability of your underwater inspections by deploying AREVA's innovative SUSI toolkit.

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7/13 ANP:U-254-V3-13-ENG