

System Controls Embedding in Plugging Tool for Enhanced Repairs (SCEPTER)

Challenge

Plugging tubes for ECT indications is now an infrequently performed activity with replacement steam generators. However, past practices for plugging included an insertion step using the ECT tool head followed by manual pole ECT tool head removal and plugging tool installation to install each plug. This methodology was time consuming and personnel dose intensive.

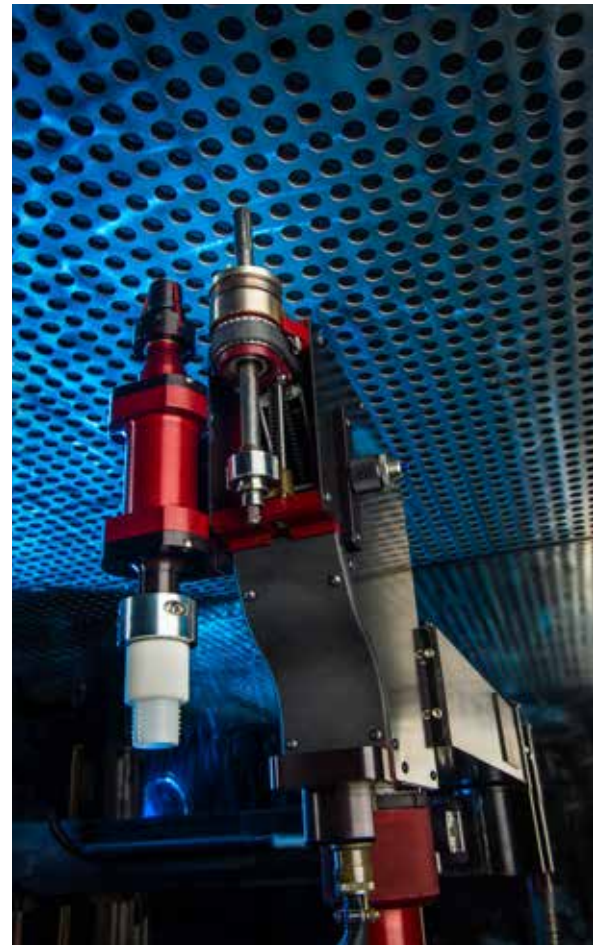
Solution

Plugging and Stabilization with one tool-head for reduced schedule and dose

Framatome's SCEPTER performs plugging and stabilization with one tool-head for reduced schedule and dose. SCEPTER has the capability to install 10 to 15 plugs per hour, saving plants time and dose — simply insert the plug/stabilizer through the pop-up guide tube, rotate the expander into play, and the process is easier and more efficient.

Customer benefits

- One-visit plugging/stabilization to expedite the process
 - Insert plug/stabilizer through the pop-up guide tube and rotate expander into play
 - Install 10 to 15 plugs per hour
- Independent position verification to ensure accuracy
- Enhanced software control for efficient operation
- Portable integral air system to minimize impact on station resources



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