

Heat Exchanger Tube Repair

Closed Cooling Water Heat Exchanger Retubing

Framatome's closed cooling water (CCW) heat exchanger retubing services helps you extend the life of your heat exchanger by performing partial or complete retubing with improved materials to return lost heat transfer capacity and improve reliability. This service can be performed under critical path or, in some cases, online.

Challenge

As power plants age, pressure increases on the safety-related performance of CCW heat exchangers. Tube wall loss and life extension beyond original design along with increased heat load and ultimate heat sink temperatures results in decreasing tube plugging margins and a detrimental impact on heat exchanger reliability.

Solution

Framatome has more than 25 years of experience performing CCW heat exchanger life extension repairs. To improve equipment reliability, partial or complete retubing is performed. Putting plugged tubes back into service allows plants to return lost heat transfer capacity and reduces the risk of compromised in-service tube failure. Improved tube material also increases reliability. Despite challenging environments, Framatome can perform retubing scopes under critical path, and in some instances online, depending on plant configuration.



Customer benefits

- Safety-related ASME Section III, Class 3 component retubing
- Qualified tube roll expansion process
- Flexible scheduling approach
 - Quantity or time driven – Set quantity or allotted schedule time per outage
 - Data driven – Target tubes with greatest degradation
 - Reliability driven – A section or entire heat exchanger

Your performance
is **our** everyday **commitment**

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