

Save costs and dose with a cutting-edge coating technology while enhancing plant performance and environmental protection.

### Challenge

Utilities struggle with contamination-free, long-term solutions which meet the requirements for a level-1 coating. Contaminated tools and equipment are a dose source and are costly and time-consuming to decontaminate. As the nuclear industry continues to extend the life of plants, it is important to economically increase the service life of fixed assets. Additionally, the energy sector has been challenged to find a product with long-lasting capability under water to prevent biofouling. The energy sector is experiencing piping and tubing corrosion due to biofouling that requires labor-intensive cleaning of systems and often weld repairs.

### Solution

QuarTec, a first-of-a-kind and proven solution with unique functional characteristics, is the product of radical breakthroughs in coatings technology. Framatome's innovative chemical technologies multiply the inherent resistance of quartz, expanding the historical spectrum of protection. QuarTec protects against a comprehensive range of damaging environmental factors at the nanoscale, filling microscopic pits and voids and offering superior profile coverage. Cross-linked chemical bonds give QuarTec unmatched adhesion that avoids factors that cause common coating failures. Our no-flake, no-peel corrosion protection outlasts and outperforms the competition, while being environmentally-friendly at the same time. QuarTec can be delivered in small amounts, thereby reducing waste, and increases the service life of your important fixed assets, providing comprehensive surface protection and improved performance.



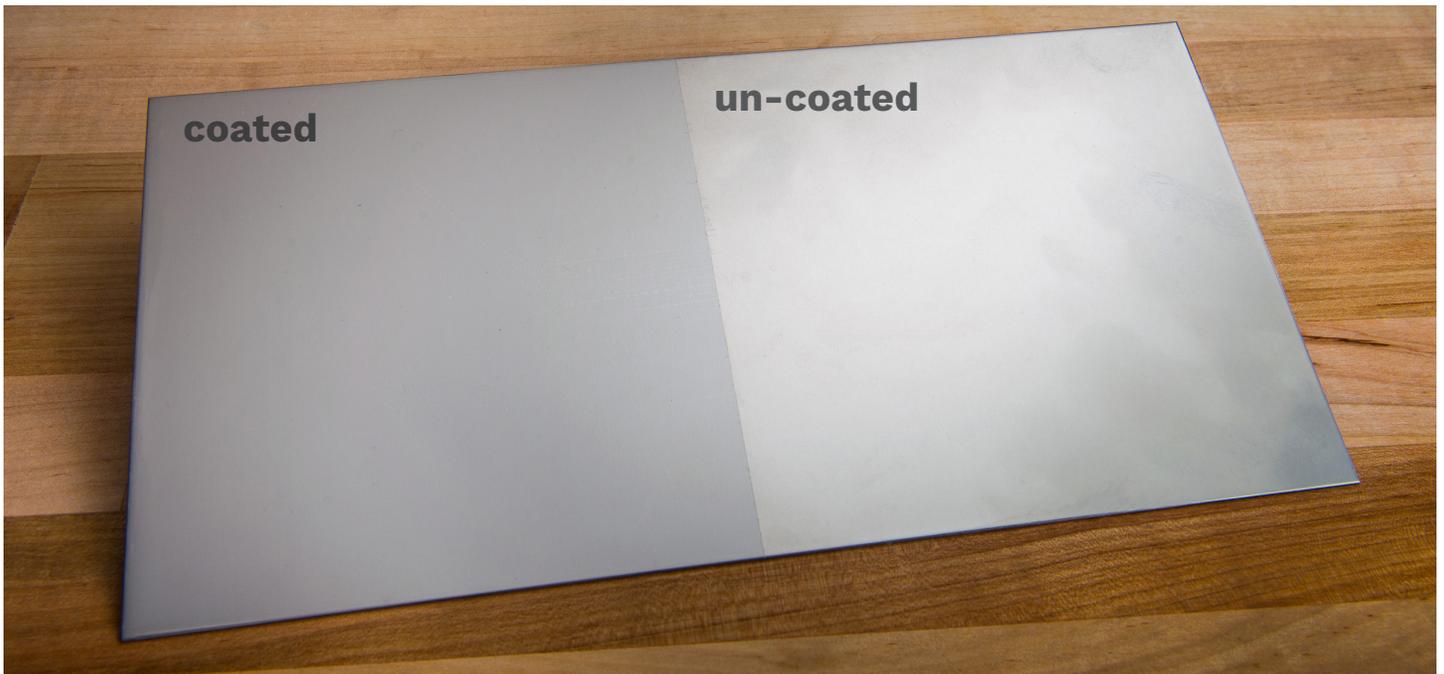
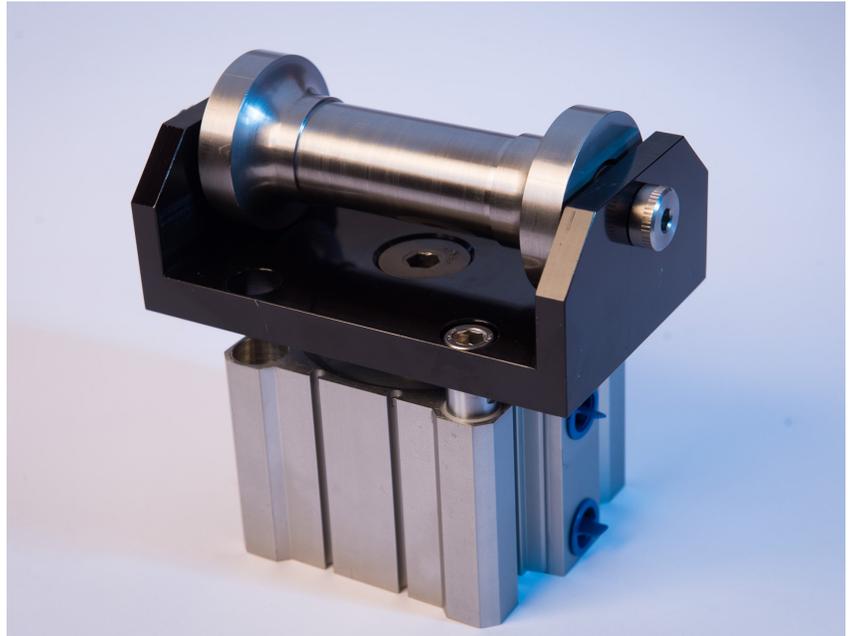
### Customer benefits

- Reduces maintenance cost, schedule and decontamination costs
- Ensures low Volatile Organic Compound (VOC) and complies to environmental standards
- Fully protect component underwater
- Meets radiation hardness standards and is Reactor Coolant System (RCS) compatible
- Reduced biofouling of components and systems submerged in brackish water conditions
- No-flake, no-peel

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

## QuarTec Coating Advantages

- Water repellent
- Anti-corrosion
- Low VOC
- Prevent UV/oxidation
- Detrimental approved
- Chloride resistant
- Abrasion resistant
- Stain and spill resistant
- Prevents biofouling adhesion
- Ease of decontamination in nuclear facilities
- RCS compatible



Read more at [www.framatome.com/stories](http://www.framatome.com/stories)

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