Retrofitting



Original Equipment

Downtime at nuclear power stations means money lost, and because of that, shutdowns are kept to a minimum. Also, the critical nature of nuclear components and the harsh environments in which they're installed mean they're built to last. As a result, parts frequently stay in service for years.

Those lengthy intervals create a few challenges in themselves. For example, it's common that the manufacturer of the original equipment has gone out of business or discontinued a particular product.

Despite these obstacles, the challenge remains the same – finding a replacement part that matches the fit, form, and function of the original component. At Super Radiator Coils, we've built a lengthy portfolio of nuclear projects requiring extensive retrofitting and reverse engineering.

We recently did such work for a nuclear plant in the Southeast that needed a matching fit for obsolete equipment. The OEM who built the original part (an RCP motor air cooler) had gone out of business and no detailed documents about its construction were available. They reached out to SRC, and we were able to reverse engineer a replacement with the identical fit, form, and function as the original. We did so while also upgrading from the original's painted carbon steel construction to stainless steel.



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