



**ONLY ONE
BOLTING SYSTEM
IMPROVES
SAFETY, QUALITY,
& SCHEDULE
FOR NUCLEAR
TURBINE
MAINTENANCE**

HYTORC®

For more information email info@hytorc.com or contact your local HYTORC representative
The World's Most Trusted Industrial Bolting Systems

Optimizing Bolting Processes on ICI Flanges

HYTORC is the World's oldest and largest manufacturer of industrial bolting systems. With a focus on improving safety, quality and schedule, they are constantly developing innovating bolting systems and working with end users to streamline their bolting processes. In February of 2014, HYTORC worked together with a large nuclear power plant in the United States to optimize the bolting process on their In-Core Instrumentation (ICI) flanges. The ICI's on this Class 1 safety related application had 8 flanges with 8 bolts per flange. For the highest level of safety and speed, HYTORC recommended the use of the HYTORC Nut, which ultimately provided productivity improvements and dose reductions of over 50%.

The HYTORC Nut has also proven to increase productivity and safety during

removal and installation of casings on many nuclear steam turbines. For large fasteners, the HYTORC Nut is the only system that is verified to improve outage safety, quality and schedule through an efficient hands-free cold stretching process. This patented mechanical innovation uses hydraulic tooling to mechanically stretch studs with pure tensile load. Main stop valves, control valves, turbine casings, man ways and ICI flanges are a few of the many applications that have been optimized with HYTORC Nuts. More than 10,000 HYTORC Nuts are installed on critical path bolting evolutions in nuclear power plants around the world.

HYTORC Nuts reduce dose and make the bolting process safer by providing a hands free approach to bolting. With the HYTORC Nut

system an operator can simultaneously tension multiple studs from a safe distance. Additionally, this patented bolt stretching method guarantees elimination of galling by eliminating nut rotation on loaded studs; this can provide tremendous savings of time and money during the disassembly process.

HYTORC produces Q1 safety related nuclear components for domestic and international nuclear sites. HYTORC designs custom bolting solutions in New Jersey and facilitates design specification, training and installation with worldwide distribution and local support. For more information please email info@hytorc.com or call +1-201-512-9500.

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