

Gain four days of production with four tools

HYTORC

When an industrial tool manufacturer recommends using multiple tools for safer, simpler operation, critics may assume it's simply to increase the size of the purchase order. At every trade show, HYTORC demonstrates the use of four tools simultaneously and its representatives often hear things like, "We're not in that much of a rush. We'll be fine with just one tool." This is understandable if a job normally takes an hour and a plant manager can't justify the benefits of completing it in 15 minutes. But what if the bolting job usually requires two people and takes up to five days?

This was the case when Dan Daube, site project manager for RetubeCo Inc., was responsible for adjusting the spring compression plate on the main surface condenser spring boxes in a power plant. Each of the four springs on the spring compression plate must be lengthened within one thousandth of an inch of each other to reduce the upward force on the turbine exhaust neck. The main surface condenser spring boxes are on the critical path for the outage. If the required precision is not achieved, it can put stress on the turbine exhaust neck that can result in very costly damage and/or unscheduled shutdowns.

In the past, Daube and his team used a HYTORC Avanti™-8 hydraulic torque wrench, which is capable of achieving a maximum torque output of more than 8,000 foot pounds. The job had to be done in many increments, and nearly five full days with two operators were required to achieve the necessary precision. It was one of the most difficult bolting jobs during the outage. While this fell within the requirements of the plant's timeline, Daube knew there was room for improvement and time savings.

During the most recent outage at the same plant, Daube decided to take advantage of the HYTORC Simultorc System, using four Avanti-8 hydraulic torque wrenches connected to a single pump. With a tool on each corner of the spring compression

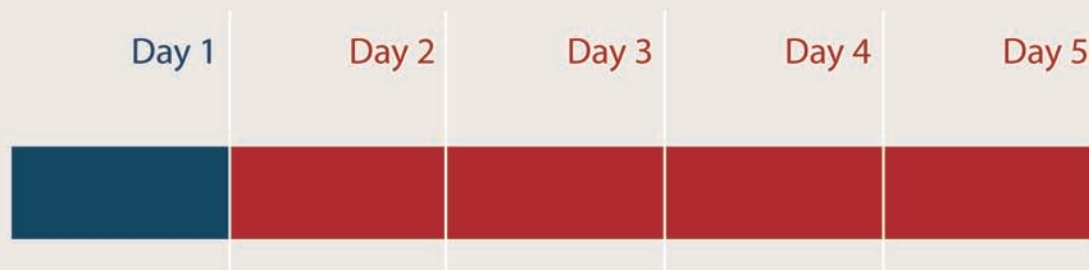
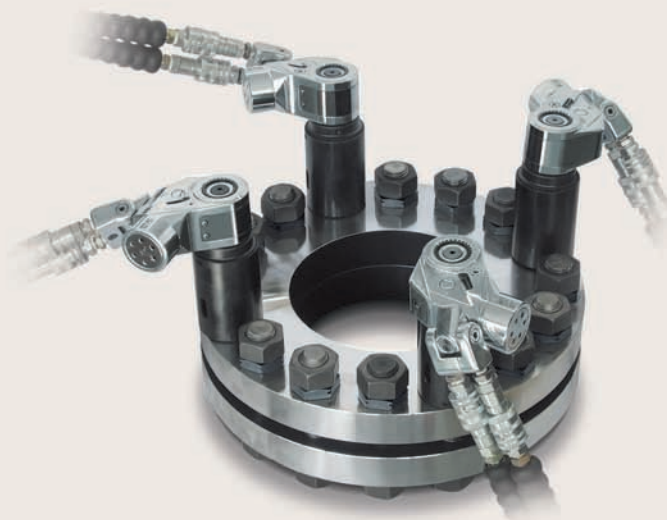
plate and one man operating the pump, the job was completed in a single day. Not only was the job done four days ahead of schedule, the springs were all lengthened within one-half thousandth of an inch of each other, which was accurate beyond the plant's requirements. "When we told our

contact in the plant the job was complete, he didn't believe us," Daube said. "It was a huge win for us."

When production time is on the line, any time savings is a win, but four days of extra production is extraordinary. In addition, the use of four tools required half the

amount of pressure used in the past, so less stress was put on the tools, which is definitely good news for Daube and RetubeCo.

For more information or to set up a free demonstration, contact info@hytorc.com or call (800) FOR-HYTORC [367-4986].



4 Tools

Job completed in 10 hours
Four Tools / One Person

1 Tool

Job completed in 5 Days
One Tool / Two People



Save Money



Save Time



Safety



The Avanti™ — bolting power from 250 to 130,000 foot pounds.

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