

RCI

ENERGY SERVICES

PROFESSIONAL • RESPONSIVE • RESULTS

CIRCULATION PUMP SOLE PLATE LEVEL

RCI METROLOGY DIVISION

PROBLEM

An intake water circulation pump needed to be replaced at a nuclear power plant. The pump is bolted to a sole plate that sits on a grout pad above the concrete floor. During removal of the old pump, the sole plate comes off and the old grout is removed. Before installing the new pump, precise elevation and leveling of the sole plate were crucial for connecting with existing piping.

Once the sole plate was accurately positioned, a new grout pad would be poured beneath it before pump reinstallation.



SOLUTION

Before removing the old pump, our team measures the new pump's height (to within +/- 0.01") to determine the exact elevation required for the sole plate. The implementation crew roughly sets the sole plate based on our elevation guidance. Then, using a laser tracker, we provide real-time measurements around the entire perimeter of the plate. Fine adjustments are made with jacking bolts until the plate is precisely leveled and elevated. With the laser tracker, elevation and level can be measured accurately to within 0.005".

Our advanced metrology technology minimizes human error inherent in using hand tools and eyesight. Let the technology perform as it was designed to do and give you the most precise measurement possible.

Reduce Human Error

Confidence in Less Rework

Avoid budget overruns caused by rework! Trust our expertise to ensure precise equipment placement. With total stations and laser trackers accurate from .0625" to 0.003", invest in thorough planning to prevent costly rework.



THE RCI ADVANTAGE

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