

Machine Train Alignment

PROJECT SCOPE

General Electric was conducting an outage on a steam turbine at a nuclear power plant. It was necessary to align multiple components, but it had to be done quickly and a bolt bound condition was not an option. A machine train alignment had to be performed to meet the requirements of the project.

HOW WAS ACQUIP INVOLVED?

ACQUIP was contacted to perform the machine train laser alignment on the steam turbine. We had to read each of the couplings and view the alignment as a whole. All alignment targets were considered. A small horizontal and vertical move was performed on the generator only, to get both couplings to within excellent alignment tolerance.

RESULTS OF THE PROJECT

ACQUIP Engineers helped GE in solving a complex alignment problem with the minimal amount of moves possible and without moving the bearings. The unit was brought back into service quickly and without creating and hot work in a nuclear environment.

