

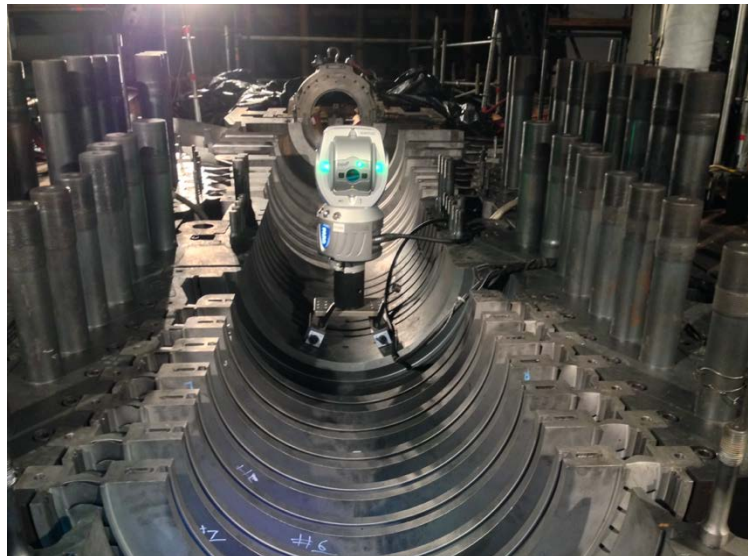
## Steam Turbine - Tops on/ Tops off Internal Laser Alignment

### PROJECT SCOPE

Mitsubishi Power Systems mobilized to perform an unplanned outage on the steam turbine portion of a cogeneration power plant. Mitsubishi needed to have an extremely accurate alignment on the steam turbine to ensure that there would be no issues on startup and the turbine would operate reliably. In addition this outage had to be conducted as quickly as possible because it was holding up the process.

### HOW WAS ACQUIP INVOLVED?

ACQUIP mobilized to the job site quickly. We were able to streamline the measurement process by acquiring all measurement data in one set up and leaning on our experience with this type of unit, while other work was being performed. The tops on readings were combined with other values to create the optimal alignment target for the unit. The alignment was performed at rapid pace while ensuring the accuracy of the moves.



### RESULTS OF THE PROJECT

ACQUIP shortened the outage several days by adapting methods and procedures to the outage's unique requirements, completing the alignment ahead of schedule. The unit was started up with no rubs and gained efficiency.