



# POWER GENERATION

## Solutions

- Modbus
- Honeywell Experion
- Honeywell HMIWeb Graphics
- SCADA points to communicate with the Bentley Nevada

**Target Outcome:** Increase Reliability

**Customer Profile:** Nuclear Power Generation Company with previous HMI services performed by Avid on a new Turbine Control System.

After performing HMI services for the client's Turbine Control System, the objective of this project was to add additional monitoring points from their Bentley Nevada system.

Monitoring key turbine parameters - such as bearing temperature and vibration, and making the data available on the same HMI as the Turbine control system - increases reliability and uptime by alerting operators to problems with the turbine operation.

A Honeywell Experion SCADA solution was used to communicate Modbus TCP to a Bentley Nevada Turbine Monitoring System. By bringing the Bentley Nevada points into Honeywell, the Bentley Nevada was able to be integrated with existing Turbine Controls on their Honeywell system. This allowed visualization/alarming of the Bentley Nevada to the operators. The Honeywell system also drove physical alarm annunciators in the control room.

The client transitioned from 1960s panelboard monitoring control technology to a modern DCS system, increasing reliability and operator awareness.



avid.run



919-468-4334

**Avid** / *run better*