

STEAM TURBINE

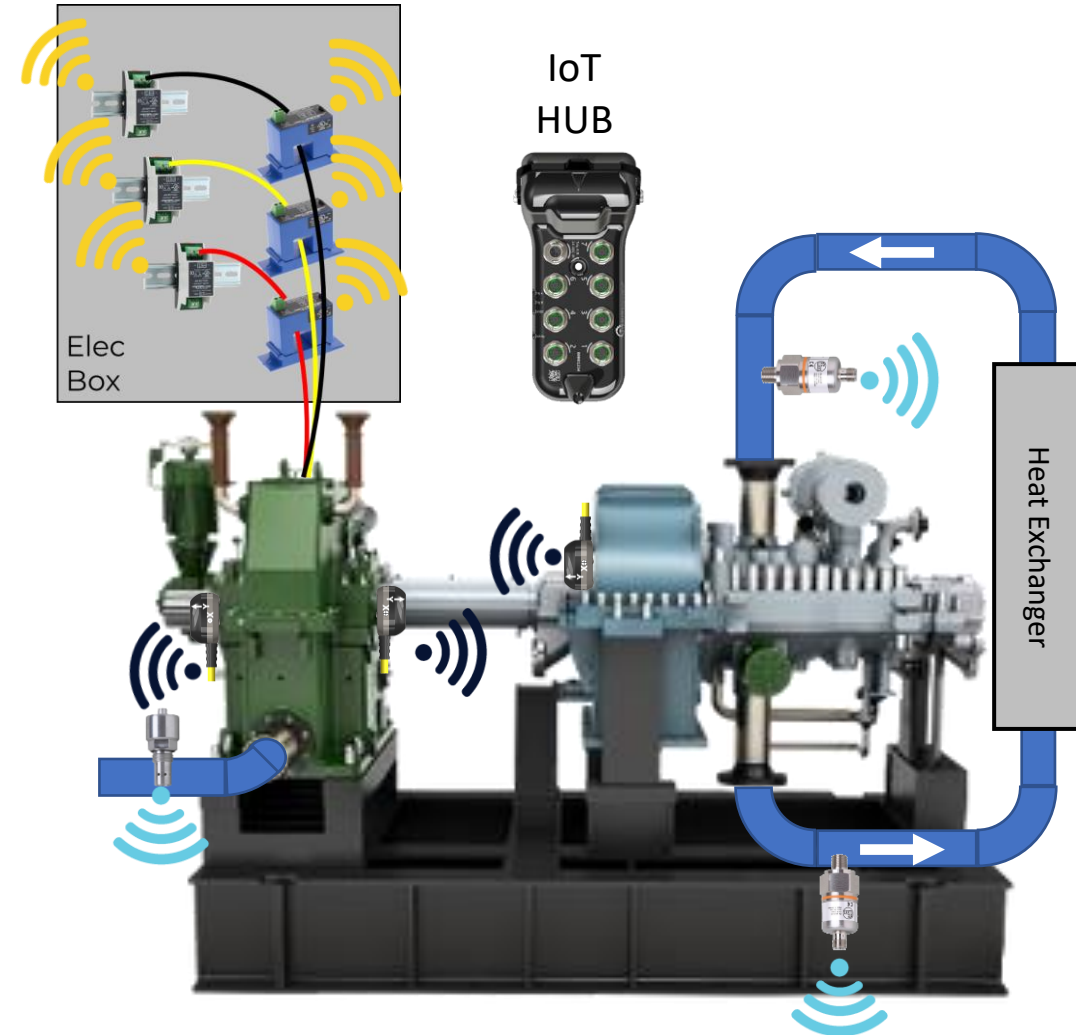
AVAILABLE TECHNOLOGY



BEST BETTER GOOD

SOLUTION	CONDITIONS DIAGNOSED
Vibration	Gearbox, generator, bearing, shaft, coupling, imbalance, looseness, misalignment, pipe strain, resonance, flow obstruction
Oil Temp/Hum Pressure (Abs)	Steam pressure imbalance, gland/labyrinth seal leakage, valve malfunction Steam pressure imbalance or fluctuation
MCSA RMS Voltage	Amperage imbalance and fluctuation Voltage imbalance and fluctuation

APPLICATIONS: Steam Turbines



OIL HUMIDITY

TECHNOLOGY DETAILS



MOISTURE INGRESS

THE SOLUTION:

- ✓ The KCF Oil Temperature and Humidity Sensor reveals trends in relative humidity, allowing for correlation of water ingress with process variables and getting to the root cause.



Oil Temp/Humidity Sensor,
Analog Adapter, and IoT HUB

KCF Base Station

THE PROOF:

- ✓ Control valves on a steam turbine were allowing excessive steam pressure to the turbine's gland seals, pushing steam into the lube oil system.

