

Services and Expertise for Power Plant & Hydro Power Plant Operators

General

Development of monitoring & diagnosis software

Software development for industrial automation systems

Signal processing and estimation optimization

Data analysis and image processing

Smart sensor /smart devices planning and implementation

Software engineering

Database design

Development of "Industrial Internet of Things".

Monitoring, Diagnosis & Analysis

Gas Path Analysis

Performance Monitoring and Diagnosis for Gas and Steam Turbines

Vibration and damping analysis

Power plant behavior analysis and modelling

System analysis and model-based control

Root Cause Analysis & Life Time Extension

Root cause analysis

Hydro Power

Efficiency measurements in any type of hydro power plants

Fluid structure interaction

Flow induced vibration

Discharge measurements

Hydro power plant optimization

Trouble shooting in hydro power plants

Heading research projects