



Monitor and Benchmark Equipment Performance

Application

The Ovation Performance Advisor allows operators to identify controllable losses, track equipment performance against design specifications, and quickly identify problematic process areas to reduce operating costs. This solution provides a complete set of pump performance calculations to match the specific equipment set. The Performance Advisor incorporates design test case capability and has historian interfaces for data replay.

Strategy

Performance Calculations

The Performance Advisor conducts online performance calculations for a list of applications, including volumetric flow, head, input power, output power, actual and overall efficiency, deviations, and many other areas. All calculations are done in accordance with the ASME performance test codes.

Data Validation

The Performance Advisor also includes a data validation module that can be used on signals that have a tendency to drift.

OPC Interfaces

The Performance Advisor solution is fully OPC-compliant and communicates with any DCS OPC server.

Results

- Exports data and results back to the control system when using standard DCS functions
- Displays deviations and cost of deviations to help operator determine whether equipment repair or maintenance is required
- Major asset efficiencies are calculated for long term trends and analysis

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