

QCS Sensor Performance

Increase Product Quality



Optimizing the performance of your QCS sensors takes ability to analyze, and identify data to quickly pinpoint issues to ensure optimal performance, improving reliability, availability and operational performance. With ABB Ability™ Collaborative Operations comes the ability to do more, do better together by gaining access to ABB's deep domain expertise 24/7.

The ABB Ability™ Collaborative Operations QCS Sensors Performance Service, identifies, classifies and helps prioritize opportunities to improve the performance of your QCS sensors. Data from your QCS sensors are collected during scheduled and on-demand analyses and compared with industry best practices. This quickly pinpoints issues to ensure optimal performance of your QCS sensors, improving reliability, availability and operational performance.

QCS sensor performance follows a proven three-step methodology to establish a baseline and assess potential improvement areas, implement improvement actions and then establish a continuous improvement process through periodic analysis of performance.

1. Establish Baseline and Assess Improvement Potential

QCS sensor performance is compared to standards to establish expected capabilities. The service uses comprehensive data mining techniques, proven key performance indicators and standard service modules to analyze QCS sensors performance and assess improvement potential. Areas of improvement are matched with practical implementation solutions.

2. Implement Improvement Actions

Based on a thorough analysis, an implementation plan is developed by ABB and the customer through a collaborative review. After the plan has been agreed, improvements can be delivered incrementally or all at once. Phased implementation ensures that process and equipment changes can be made and maintained with steady progress toward performance goals.

3. Continuous Improvement

With ABB Ability™ Collaborative Operations QCS sensor performance can be continuously analyzed and improved. Key information is monitored by ABB experts on a periodic basis and compared against performance benchmarks. The QCS Sensor Performance service provides continuous monitoring capabilities to identify improvement actions to help to ensure process performance remains at peak levels.

The following key performance indicators will be monitored on a regular basis and activities will be performed by ABB experts to help improve the overall control system performance and availability.

QCS Sensor KPI's

- Sensor standardize limits
- Short term drift
- Long term drift

Benefits

- Increase QCS Sensors availability
- Improve system reliability
- Early problem detection
- Labor and travel expense savings with remote monitoring and troubleshooting
- Improved collaboration between ABB experts and customer experts

Features

- Automatic, non-invasive data gathering with ABB's proprietary data collection tools
- Continuous analysis of Key Performance Indicators (KPIs)
- On-site or remote access for customer and ABB experts
- Statistical analysis of QCS Sensors
- Periodic checks by ABB experts in order to Identify issues, find trends and recommend performance improvements
- Remote diagnosis and proactive support from ABB experts
- Consolidation and long-term storage of QCS Sensor
- Secure communications
- On-demand analysis of QCS Sensors KPI's

**COLLABORATION IN DATA-DRIVEN ECOSYSTEM
PEOPLE MAKE THE DIFFERENCE**

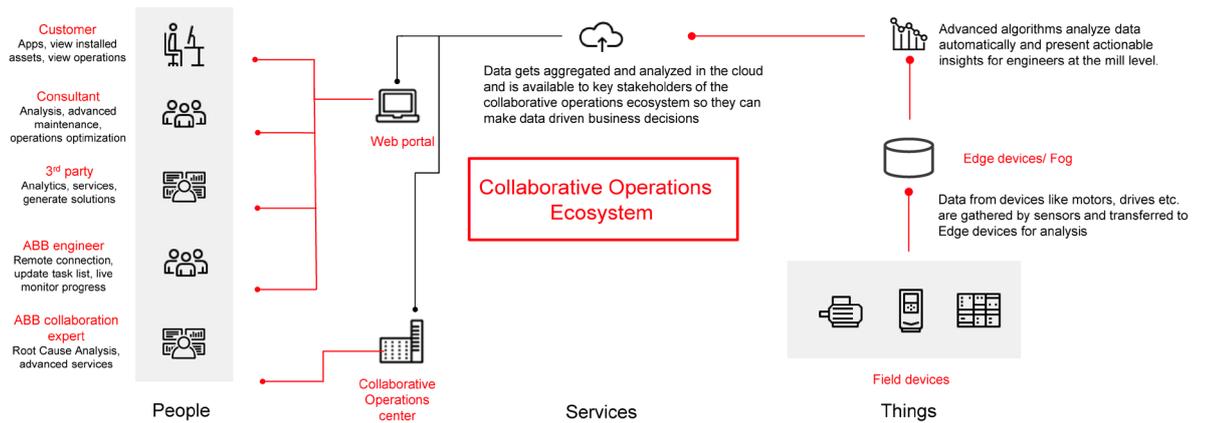


ABB Ability™ technology collects, aggregates, analyzes, and presents actionable information on KPIs to enable experts to improve QCS sensor performance.