

System Analysis

Elevating system performance to a new level using System Analysis for My Control System



Is your control system running with the best possible performance and availability? How can you make operations more reliable and avoid unplanned downtime? How can you ensure proper life cycle planning?

With System Analysis functions running on My Control System – your service eco-system – ABB supports you in uncovering problems that limit your control system performance, availability and reliability along with recommendations how to improve the same.

What are customer challenges?

Keeping plants running efficiently, maintaining high availability and avoiding interruptions in production is of vital importance. Identifying factors which could impede the process control availability, reliability or operational performance, are critical in achieving this goal - and often time consuming.

That's why process industries are embracing digital services as their go-to solution for efficiency and effectiveness. Get ready to supercharge your control system's operation and maintenance with ABB's System Analysis functions.

What is My Control System?

My Control System (MCS) is ABB's digitized service eco-system, built to companion DCS customers throughout the entire life cycle of their control system. It provides plant managers, maintenance teams and IT departments with the necessary insights into the DCS to make a difference.

What is System Analysis?

System Analysis provides a comprehensive diagnostic analysis and understanding of your control system health, performance, availability and reliability. It checks the overall system status, analyzes the most relevant system parameters of the installed control system and compares them to ABB recommendations and best practices. The evaluated findings are presented in My Control System along with recommendations.

Typical issues System Analysis can detect:

- System overloads causing slow response rate
- System performance degradation
- Hardware devices glide slowly towards unavailability
- Redundancy problems create single points of failures
- System efficiency losses
- Outdated software status of Operating System
- Outdated software status of control system
- Security vulnerabilities due to obsolete Microsoft security patches

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How does it work?

