

Expertise

Vendor Independent built up from a wide range of industry sectors & practical experience



Control System Site Audit

Our control systems audit is designed to provide a technical appraisal of your control systems on site and provide a detailed appraisal and analysis which is of both practical and of technical use to all personnel involved in supporting, maintaining and developing automation systems within a manufacturing or process production environment.

Site Audits may cover all areas or specific sections of your existing control system including:

- Programmable Logic Controllers (PLC).
- Human Machine Interface (HMI).
- Supervisor Control & Data Acquisition (SCADA).
- Control & Engineering Networks.

The Site Audit is a useful way to provide a fundamental technical understanding of your systems onsite. Many of our clients have found that the audit provides them with a greater understanding of their systems and greatly helps to direct future development and support work. This in turn allows you to drive improvements in the right areas. The audits objectives are as follows:

- Provides a fundamental understanding of your systems.
- Increases your maintenance teams' ability to support systems.
- Provides the basis on which to debug and troubleshoot persistent or intermittent plant control problems.
- An excellent service in providing preliminary technical information prior to a full Functional Design Specification (FDS) for further project work.
- Greatly helps you to understand weak points such as equipment obsolescence issues.
- Provides you with the information required to direct third party System Integrators & OEM's.

Whilst each Site Audit is adapted to suit particular requirements, it also takes into account the number and type of PLC, HMI, SCADA systems and networks on your site. The audit provides you with the following information;

Programmable Logic Controllers / Human Machine Interface:

- Check correct operation & function.
- PLC code analysis.
- General observation of correct wiring & installation.
- Provides a spares list.
- PLC code backup.
- HMI correct setup.
- HMI application backup.
- Recommendations.

Supervisor Control & Data Acquisition:

- Screen design & application function.
- Scripts & Reporting.
- Data archiving & storage.
- Licence inventory.
- PC hardware & analysis; hard disc space, memory allocation etc.
- Deployment of correct service packs.
- Networking & PLC communicating interface.
- Recommendations.
- System Architecture.

Control & Engineering Networks:

- PLC addressing & correct function.
- IP configuration & setup.
- Communications & PLC / SCADA interface analysis.

The Site Audit comprises of an Opensoft Systems Applications Engineer being onsite for one to two days to carry out the work, after which point further work is carried out off site to provide the Site Audit Report. Our report provides findings and recommendations in the form of a written report.

An optional follow up technical meeting is also provided to run through your report to discuss our findings, recommendations and provide clarity to any technical point's required and future work recommended.

Please contact us for further information

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