



# Consulting Automation

## CONTROL SYSTEMS AUDIT

### Do you know:

- Which **systems** are **obsolete** and no longer supported by the manufacturer?
- If you have any **high risk equipment** or areas within the plant that **could stop production**?
- Which automation system is best-suited for your plant's needs?
- What engineering tools or software you will need to optimize production?
- If your control strategy is sound?



Many manufacturing plants are controlled by **mature installations** of automation hardware that have not been frequently upgraded or maintained. As well, the majority of these control systems have been significantly modified over the years, typically by more than one individual or company. In addition to this, the detailed **knowledge** associated with control systems hardware and software is normally **undocumented** and typically known to only one or two key individuals within the organization. **The associated risks in such cases are significant, and could result in a partial or total plant shutdown.**

### Solution?

As part of our commitment to helping you achieve the Manufacturing Excellence, RTS Consulting Inc.. (**RTS**) has developed a **Control Systems Audit** service that brings our 20 years of industry knowledge and the broad capability of our engineering staff directly into your plant for a three stage audit process:

- 1) **Scope Verification:** this ensures that we are assessing the primary areas of concern.
- 2) **Investigation & Evaluation:** reviewing, assessing and documenting how and where value can be realized and improvements made.
- 3) **Delivery:** a face to face review of the audit to explain all findings in detail and to answer any questions.

Minimal or no impact on operations and day to day activities
Completely objective evaluation (not limited by one brand or manufacturer)
It identifies problems which can negatively impact plant operations
Detailed report that includes photographs and comprehensive recommendations
Useful to track the condition of the controls within your plant and proactively plan upgrades

### BENEFITS



## SUCCESS STORY

**Industry:** Food and Beverage - Dairy

**Company Size:** Rev \$10 billion +

**Location:** Canada

### Actual Situation:

- Diverse brands of legacy control systems including Omron, Allen Bradley, Siemens, WAGO, etc.
- Single source supplier for maintenance over the last 10 years.

### Issues:

- Lack of systems' documentation and backups.
- No visibility of existing plant control systems architecture.
- High dependence on a single supplier.
- Periodic plant downtime due to "unexpected" control system failures.

### Solution:

RTS conducted a detailed Control Systems Audit. Our expert engineers identified risk factors due to systems' obsolescence, lack of availability (discontinued products), and undesirable hardware installations. A complete backup was performed of all existing control system programs, stored locally and remotely. We provided a complete report including images, analysis results and recommendations on how to prioritize upgrades/maintenance based on risk levels. *"The RTS Control Systems Audit provided the visibility that we never had before. It helped us manage and plan our control strategy and future upgrades"* – said the dairy facility Plant Manager.

### Benefits:

- Complete understanding of existing control systems architecture.
- Immediate high risk situations/problems identified and recommendations for corrective measures provided.
- All critical control programs for operations were organized and backed up.
- Recommended proactive approach to upgrade/maintain systems in order to avoid downtime.
- Increased visibility of control systems efficiency and reliability, permitting better budget planning.

RTS is pleased to offer a **tiered pricing structure** for our Control Systems Audit, ranging **from \$3,000 to \$15,000** based on the size of your facility.

The Control Systems Audit involves **identifying problems** and/or situations which can negatively impact the safe, reliable and efficient operation of your plant. Our engineering team will document and provide an objective base line with highly detailed information for all of your existing control systems within clearly defined areas of the plant. All findings will be outlined **in a single document, complete with photographs and detailed recommendations.**

An RTS Control Systems Audit is **completely objective**, and our process and recommendations are not limited by one brand or manufacturer. This objectivity will equip your organization with the important information you will need to plan future repairs, upgrades, modifications and system enhancements.

In addition to being a useful decision-making tool for operations, engineering and management, the **Control Systems Audit** will also become a valuable document for plant maintenance to track the condition of the controls within your plant and proactively plan upgrades..



Detailed report that includes photographs and comprehensive recommendations

RTS has performed many audits for our customers over the years in a variety of industries including: **Food & Beverage, Chemical, Automotive, Water Treatment and Pharmaceutical.** We also appreciate the cost of plant downtime; you can rest assured that RTS' Control Systems Audit will have **MINIMAL or NO impact on your plant operations and day to day activities.**

**DISCOUNTED PRICE**



For additional information please contact us:

Website [www.rtsperfectplant.com](http://www.rtsperfectplant.com)

USA-Canada-Brazil | (416) 798-2511 | [info@rtsperfectplant.com](mailto:info@rtsperfectplant.com)