

# CONTROL SYSTEM UPGRADES

## **INDUSTRIAL CONTROL SYSTEMS ENGINEERING & SERVICES**

Industrial control system design is vital to the reliability, functionality, and efficiency of thermal oxidizers, scrubbers, and other process equipment. If you're operating with outdated controls, you're operating at a major disadvantage. Benefits to upgrading your legacy control system include:

### **1. System Reliability / Production Uptime**

When your thermal oxidizer or scrubber stops working properly, production shuts down and operating costs mount. You also face the repercussions of violating your air permit.

### **2. Safety Updates**

Your control system may currently "meet code" based on the date your equipment was installed, but could be lacking in key safety improvements.

### **3. Operational Efficiencies and Troubleshooting**

An upgrade offers powerful innovations like highly specific alarms with first-out annunciation and information screens that feature troubleshooting steps and/or potential root causes.

### **4. Market Competitiveness**

Upgrading can enhance system performance and improve data collection. Better data leads to better decision-making, so you can adapt to market conditions quickly and cost-effectively.

### **5. System / Parts Availability**

Many popular control platforms are being phased out of production and are no longer supported by the manufacturer. If you own one of these platforms, upgrading to a new system is inevitable.

Our controls expertise coupled with our decades of experience with air pollution control equipment make us uniquely qualified to determine the most effective controls solution for your needs for quality, productivity, and lowest total cost of ownership.

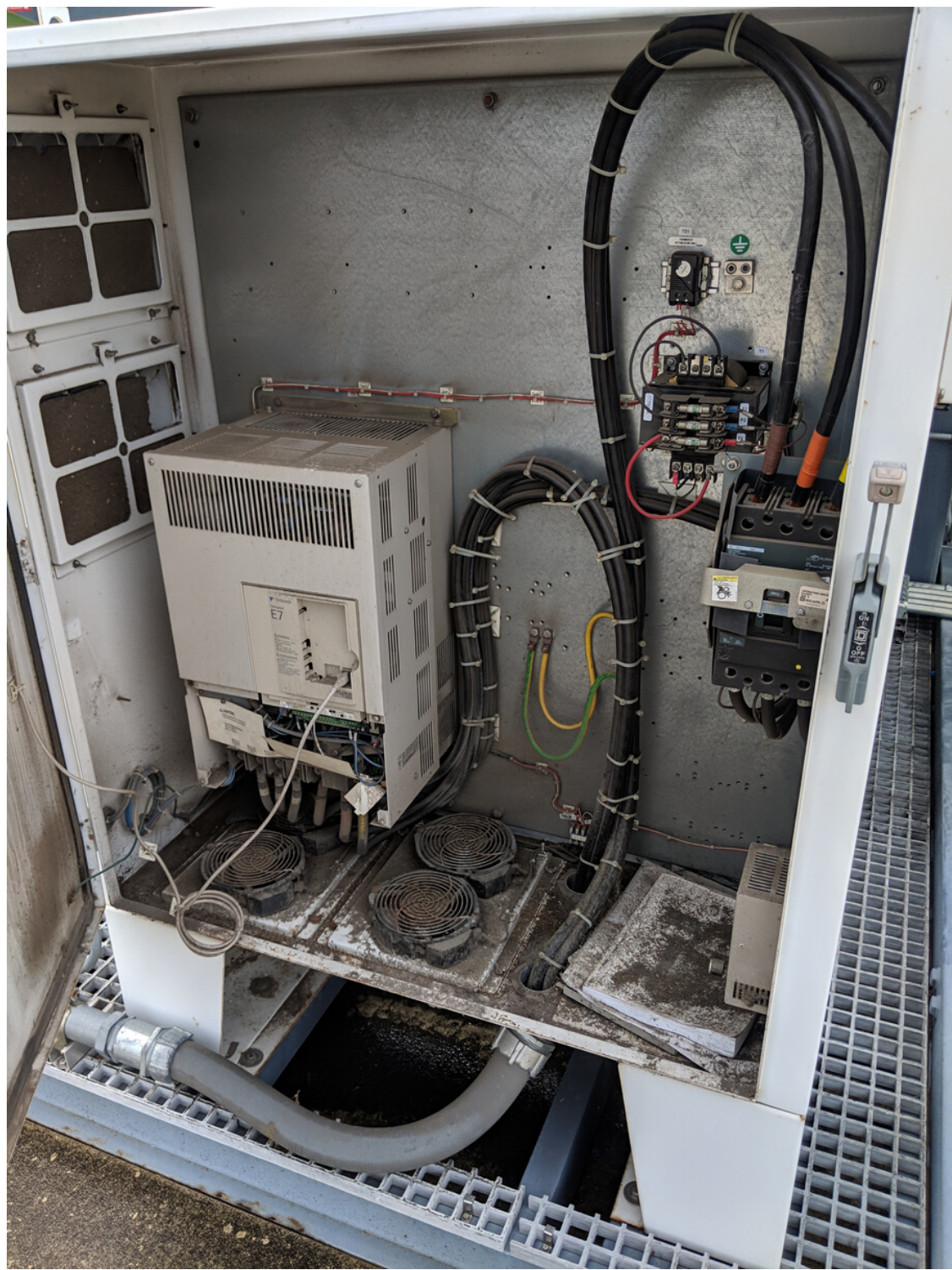
We can build systems based on electrical designs, or we can engineer custom designs.  
(See reverse side for list of our services.)



*We specialize in control systems for air pollution control equipment.*







*A dirty control panel prior to upgrade.  
Exposure to harmful dust and debris is often  
overlooked by maintenance personnel.*



*Our solutions feature the most cost-  
effective, robust and current control  
technologies for your needs.*

# CONTROL SYSTEMS

## **SERVICES & SOLUTIONS**

- Electrical Design
- Programming / Reprogramming
  - PLC (Programmable Logic Controls) Programming - all major platforms, including Allen Bradley, Siemens, Modicon & GE-Fanuc
  - SCADA (Supervisory Control and Data Acquisition) Programming
  - Operator Interface Programming
  - Process Controller Programming
- Control Panel Fabrication
  - All panels custom-build with layouts that meet the latest NEC and/or UL508a standards
  - Precise electrical schematics with easy-to-read layouts provided with every design
- Telemetry Packages
- Start-up, Installation & Commissioning
- 24-hour Telephone Technical Support
- Control System Upgrades & Retrofits
- Control System Inspections & Evaluations