



## Supervisory Control and Data Acquisition

### Company Overview

Founded in 1920, Preferred is an engineering, manufacturing, technical, and mechanical services firm based in Danbury, Connecticut.

Preferred is a leader in many diversified markets with a focus on combustion, control, instrumentation, fuel handling, mission critical systems, steam/power plant operations, and more. Preferred delivers design-build, program management, and other professional services packaged in innovative alternative delivery methods to government agencies as well as private industrial and commercial customers worldwide.

We tackle the toughest logistical and technical challenges and deliver landmark projects across the globe.

For more about Preferred, please visit [www.preferred-mfg.com](http://www.preferred-mfg.com)



### The Preferred Approach

SCADA systems work by acquiring data from remote devices such as valves, pumps, transmitters, etc., and allow an individual to control the entire system remotely using a SCADA Host software platform.

This provides local process control and ensures that remote devices like valves and pumps turn on and off at the right time. A SCADA should be built to support your overall control strategy and should allow for a remote method of capturing data and events (alarms) for monitoring these processes.

SCADA Host platforms should also provide graphic displays, alarms, trends, and historical storage of data. Unfortunately, many SCADA products built over the years have been made by manufacturers with a generic 'one shoe fits all' approach. Preferred recognizes the truth that all markets are different.

That's why we developed the **SmartSCADA**. This customized approach provides specific solutions to specific SCADA markets and ensures a robust platform tailored to your needs—whether it be higher up-time, increased reliability, overall efficiency, or optimized operational performance.

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**PREFERRED** Special Combustion Engineering

**SCADA/FLEX** Distributed Control

**Boiler 3 Overview**

Release to Modulate SCADA Control Selected Panel Select

FT-3003 Steam Outlet 80.70 kpph

FT-3010 Feedwater Flow 78.0 kpph 240.6 deg F

Cabinet Internal Temp 94.5 deg F

Air Flow FT-3080 67.00 pct TT-3080 85.9 deg F

FCV-3080 FD Fan In Damper 100.00 pct

Drum Press PT-3001 SP 386.8 psig PV 386.8 psig CV 64.4 pct

LT-3012 Drum Level 0.32 in.

TT-3011 Feedwater Econ Out Temp 288.1 deg F

FCV-3012 Feedwater 35.8 pct

FCV-3097 ID Fan In Damper 100.0 pct

BE-3103 Bnr 1 Flame 100.0 pct

PT-3090 Furn Press -0.18 inWC

TT-3092 Blr Out Flue Gas Temp

AT-3094 Stack CO

**SmartSCADA**

LOGIN

## Features and Benefits

- Energy management
- Optimize operational performance
- Maintain efficiency levels
- Increase Uptime reliability
- Identify transmitter issues
- Repeatable servo or control valve positioning
- Provides service personnel with precise information
- Allows for rapid maintenance response
- Remembers and compares data / efficiency
- Identifies potential problems before they occur
- Alerts sent to service company and plant manager

**PREFERRED**  
UTILITIES MFG CORPORATION

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