

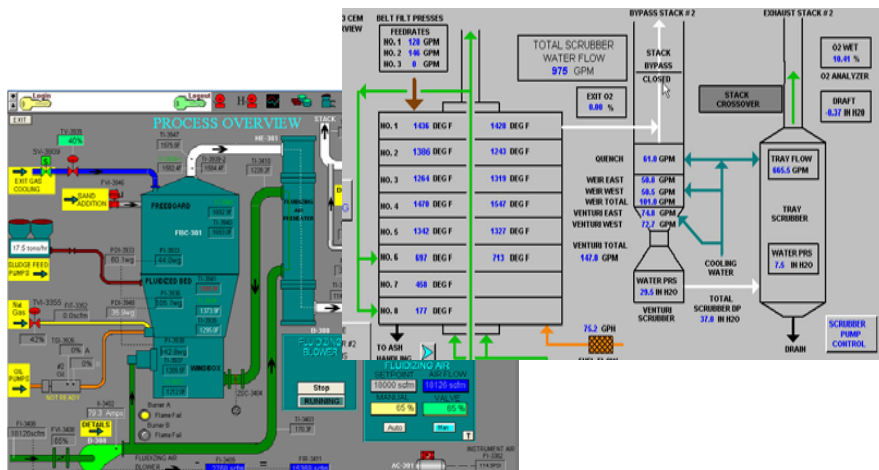
# FALCONEER Technologies, LLC

## Virtual Workforce for Incinerators

### Less than One Year Return on Investment



#### INCINERATOR



#### For your INCINERATOR, FALCONEER can deliver:

- Asset optimization and advanced diagnostic desktop solution
- A solution to your aging workforce and knowledge loss
- Turn existing data into better actions and decisions
- Patented, turnkey, time saving solution

#### What customers are saying about FALCONEER's Patented Solution:

- Reduced natural gas or fuel oil usage
- More consistent incinerator burn
- Help to better control temperature
- Control heat requirement vs. heat input

#### A Real-Time Process Performance Auditing System

- Determining when excess fuel use is occurring and then alerting operators. This advisory alert can help reduce fuel usage per ton of biomass feed.
- Identifying periods of high excess air to the incinerator and adjusting. Excess air requires more fuel to reduce O2 levels to optimal %.
- Monitoring operating conditions on fuel usage, temperature and air input to improve temperature consistency.
- Validating sensor data & process information to help with control decisions and to meet environmental and safety reporting require.
- Providing timely alerts of pending sensor, equipment or process failures or abnormal conditions to avoid unscheduled shutdowns.
- Reduction in cost, time and resource commitment required to install and maintain this solution.

#### Overall benefit is to improve incinerators performance with energy savings:

- Engineer Tool
  - ✓ Track & Optimize temperature consistency & fuel use
  - ✓ Track & Optimize total incinerator heat requirements & compare to actual heat use
  - ✓ Identify operational & equipment problems sooner
- Operator Tool
  - ✓ Identify, Alarm on excess fuel use
  - ✓ Adjust w/online SOP's or Troubleshooting Manual
  - ✓ Promote Uniform Operator Response & Knowledge
- Supervisor/Manager Tool
  - ✓ Inform & Report – Automated event based and daily on Excess Fuel Use
  - ✓ Track, Investigate, Educate, Control