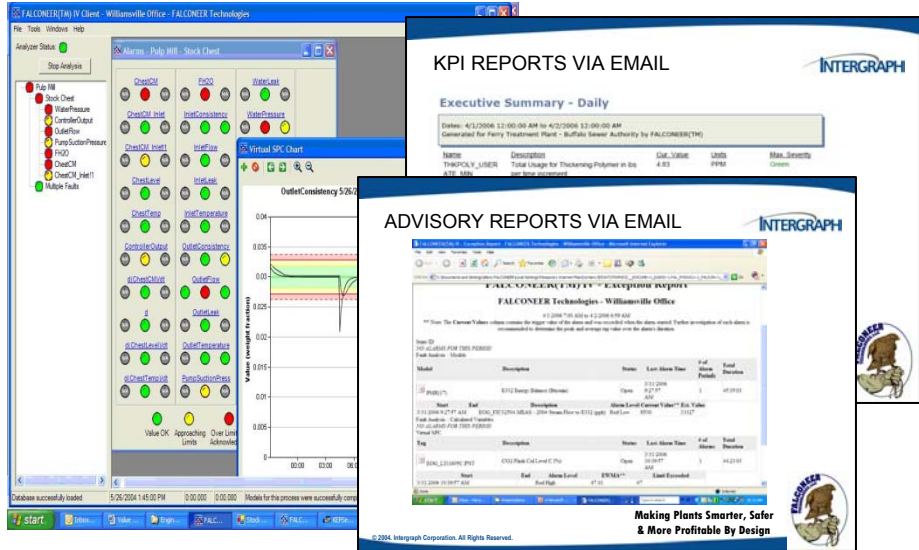


FALCONEER Technologies, LLC

PROCESS PERFORMANCE SOLUTION FOR THE WATER WASTEWATER INDUSTRY



Digital Dashboard



Daily Reports

FALCONEER's Patented Comprehensive Solution Prepares Process for Optimization

- ❑ Provides up to 100% "Self-Diagnostic" coverage
- ❑ Digital Dashboard – Intelligent Advise / Charts / Reports
- ❑ Online Key Performance Indicators (KPI)
- ❑ OPC or Proprietary Data Communication
- ❑ Soft Sensors
- ❑ Sensor & Data Reconciliation – reconciles failed or faulty sensor readings.
- ❑ Sensor & Process Validation – validates instrumentation, equipment and conditions
- ❑ Virtual Continuous Statistical Process Control (SPC)
- ❑ Proactive Fault & Abnormal Condition Monitoring
- ❑ Maintains optimal operations
- ❑ Creates records for ISO, PSM, etc.

Real-Time, High-Level Auditing & Advising

- ❑ 30,000 WWTP plants
 - \$20 Billion Repair & Upgrade
- ❑ 9,000 to 10,000 (30%) with SCADA or DCS
 - Smart Plant Technology Ready for Next Level of Automation Improvement
- ❑ Accounts for ALL Information from Process
- ❑ More than just Individual High/Low Alarm Limits
- ❑ Real-time Continuous vs. Manual or Scheduled

Benefits to the Water Wastewater Industry:

- ❑ Eliminate/reduce the need to ignite a 2nd incinerator to burn sludge. This cost can run **\$9,000 – \$10,000**
- Substantial savings:**
1. From reduced oil consumption
 2. By reducing unnecessary fuel feed and optimizing the control in the aeration process.
- ❑ **Reduced energy consumption** from large blowers or mechanical aerators monitored by DO meters.
 - ❑ Improve operational reliability and integrity for automated processes such as **SRT**.