



MAKING PLANTS SMARTER.

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Performance Services

Tom has over 18 years of proactive experience in engineering management, business planning, capital project management, process control and instrumentation design, variability analysis, optimization, DOE, DCS and PLC design, preventative and predictive maintenance programs.

Highlights

Astaris St. Louis—Managed a \$1.5 MM retrofit to bring dated process back into production. Installed new instrumentation and control system. Installed an Asi network to reduce wiring costs. Responsible for scope of work around new and repaired piping, electrical, and mechanical equipment—from concept, including design, and through installation; including construction management. Responsibilities included working within customer’s SAP system. Met an extremely aggressive schedule

Dyno Nobel—Managed, designed, and programmed a \$500K turnkey process control and instrumentation upgrade. Control system included Fieldbus and Serial Interfaces coupled with traditional devices to reduce overall cost and take advantage of the new technology offerings.

Performed and implemented process optimization techniques for various types of chemical, petrochemical, pharmaceutical, biotech, and power plants. Utilized techniques from advanced process control to diagnostics and repair of final control elements.

Maintenance team was voted most efficient and productive maintenance crew through all plants worldwide. Decreased maintenance spending by over \$500K due to increased preventative and predictive maintenance programs.

Lead many process improvement projects that gave the Biotech plant an annual 25% capacity growth rate through optimization of existing processes.

Managed fermentor-cooling project that saved over \$300K in annual energy costs. Project cost was only \$150K after a \$275K reimbursement from Iowa Electric for implementing an energy savings program.

Performed a worldwide Cellulase analysis for cost impact of moving product to North America vs. Europe. Led to a \$500K savings.

Technical Experience

Fisher Software: FIELDVUE ValveLink VL2000, AMS Suite, FlowScanner Valve Diagnostics, DeltaV & Provox.

Other Software: Maximo Maintenance Software, AutoCAD LT, EnTech Controls Inc. Toolkit (Collect, Analyze, and Tuner Packages)

Continued Education: DeltaV Integration, Control Valve Diagnostics, Instrument Diagnostics, Process Dynamics, Loop Audit Optimization, and Asset Management Services

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