

ENGINEERING SERVICES FOR INDUSTRIAL COMPANIES

DESIGN SERVICES

Drafting and Design Support

- Staff augmentation during busy times
- On-site/Off-site support as needed
- Software: SolidWorks, AutoCad
- Specialized for industrial/manufacturing organizations

Project Engineering/Management

- *Project Planning for Capital Approval*
 - » Identify requirements and develop scope
 - » Create project schedules (utilizing Microsoft Project)
 - » Perform preliminary engineering to determine feasibility and develop project costs
 - » Prepare documentation for capital approval
- *Project Implementation*
 - » Project management
 - » Coordinate vendors and contractors
 - » Design engineering
 - » Bid specifications
 - » Bid analysis
 - » Installation planning and support
 - » Start-up support
 - » Training (classroom, OJT, documentation)
 - » Maintain and monitor project schedule
 - » Create and maintain cash flow forecasts
 - » Manage costs and budget

SAFETY

A company culture focused on safety, evidenced by our Safety and Health Achievement Recognition Program.

DESIGN STRENGTHS

- 3D Modeling
- Machine/equipment design
- Plant layout
- Process piping
- ASME Section VIII (Pressure Vessel)
- Cooling water systems
- Compressed air
- Hydraulic/pneumatic systems design
- P&IDs
- Reverse engineering
- Electrical/controls engineering

A NETWORK OF DESIGN AND ENGINEERING PARTNERS

- **Structural / Civil**
- **Chemical Process**
- **Industrial Furnace Design**

TURNKEY MANUFACTURING CAPABILITY

With over 200 skilled machinists and fabricators, we have the ability to enhance our engineering services by providing turn-key equipment thus becoming a single source resource for our clients. The option to provide engineering services only or design and build services gives our clients flexible options to better facilitate projects.