



*Industrial Applications
...Concept to Completion*

INDUSTRIAL SKILLED TRADES SERVICES

We provide skilled trades and construction management services for everything from the installation of your process, to preventive maintenance, and everything in between. We value safety above all else, which is why we also offer onsite safety evaluations and training programs by our certified HSE engineers to set the same rigorous standards applied in our own training.

INSTALLATION AND COMMISSIONING, MAINTENANCE AND SUPPORT SERVICES

Optimization provides installation of industrial processes as well as relocation, startup of equipment at the client site and, if required, on-going comprehensive maintenance and support of the equipment for the long term. Optimization is versed in the performance of all aspects of specialty work, pre-startup reviews, mechanical integrity and management of change as it applies to processes that are covered under Process Safety Management of Highly Hazardous Chemicals (29 CFR OSHA 1910.119).

FABRICATION AND ASSEMBLY SHOPS

Optimization carries out fabrication and machine building at its industrial shops on Lexington Ave. in Rochester, NY. These shops house facilities for metal and sheet metal forming and fabrication as well as a UL-certified electrical fabrication and panel shop. Certifications are held to weld nearly every exotic alloy used for industrial processes. In addition to this, we also offer passivation services.

JOURNEYMEN

We have highly skilled journeymen at competitive rates in the following areas;

- Electricians/Controls/Instrumentation
- Field Machinists
- Millwrights
- Optical Alignment Specialists
- Pipe Fitters
- Riggers
- Sheet Metal
- Welders

APPRENTICESHIPS

NYS Certified Apprenticeship Program

Electrical

- NFPA 70E Trained Electricians
- UL and CSA Certified Control Panel Shop
- All Premises Wiring up to 600V Including Power Distribution and Lighting
- Controls and Instrumentation
- Hazardous Classified Locations: Class I, II, III and DIV 1, 2
- Process and Production Equipment Installation and Maintenance
- Custom Machine Wiring Including Conveyance, Assembly and Process
- Arc Flash Studies

Millwrights and Rigging

- Installations, Modifications, Relocations
- Leveling and Assembly
- Maintenance and Repair
- Precision/Optical Alignment
- Equipment Relocation
- Equipment Setting/Leveling
- Tractor/Trailer

Sheet Metal and Welding

- Orbital Welding
- Sanitary Orbital Welding
- Piping
- Welded Stainless Piping
- Pressure Vessel Fabrication (U Stamp) and Repair (R Stamp)
- Stainless Steel/Carbon Steel
- Structural Steel/Platforms/Catwalks
- Chutes, Funnels and Hoods
- Custom Fabrications
- Machine Guarding

Pipefitting

- Carbon Steel/Stainless/Teflon Lined/Sanitary
- Viega Propress—Copper/Stainless
- Brazed/Soldered
- Pipe Insulation



- Victaulic Grooved Joint Piping Systems
- High Pressure (60K PSI) Test Systems

Construction and Maintenance

- Construction Management
- Machine Dismantlement
- Machine Relocations
- Start-Up Crews, FAT's and Commissioning
- Plant Maintenance
- Preventative Maintenance
- Steam and Air Trap Maintenance

Fabrication

- Acceptance Testing (FAT)
- Control Panel Fabrication
- Custom Fabricating and Assembly
- Material Handling
- Optical Alignments
- Platform Fabrication
- Power and Drive Panel Fabrication
- Roll/Web Conveyance Systems
- Sanitary Piping Systems
- Process Skid Fabrication
- Test Stand Fabrication
- UL Certified Systems

If something you're looking for is not listed, please ask! Our experienced staff has extensive knowledge and we would be happy to discuss your project needs.