

Thomas P. Redmond, PE

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ENGINEERING / PROJECT MANAGEMENT

Maintenance Management ~ Project Engineering ~ Metals Industry

Results-driven and well-organized *Engineering Professional* able to combine a unique blend of formal technical education with a solid, hands-on background in the metals industry.

Extensive knowledge of manufacturing environments. Versatile team player with an ability to incorporate new concepts and interact with all levels of professionals. Expertise in industrial construction: foundations, structural steel, plumbing, and electrical. Work closely with management, consultants, vendors, and tradespeople.

Competencies Include

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| ◆ Project Management | ◆ Troubleshooting |
| ◆ Maintenance Management | ◆ Planning and Development |
| ◆ Equipment Selection & Installation | ◆ Process Optimization |
| ◆ Vendor Negotiations | ◆ Cost Reduction Strategies |
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Professional Achievements

As an Independent Consultant, and as a Maintenance Manager and Mechanical Engineer for Northeast Pipe Company, I developed expertise in the following areas:

Project Management—Provided design, project planning, and implementation for a variety of large projects that had a major impact on improving operations, efficiency, and profits.

- Specified, selected and managed the installation of a 150,000cfm pulse jet dust collector utilizing a 600hp blower, with more than 2,000 bags and 150-ft.-tall discharge stack. The project resulted in a drastic improvement in the air quality of the manufacturing area.
- Managed the design and implementation of a cooling tower for the cupola, for maintaining cool shell temperature. The 2,000-ton-capacity system included 150hp pumps running at 2,000gpm with extensive piping, all completed by in-house personnel.
- Renovated a 150-ft.-long annealing furnace with new burners, gas trains, blowers, ductwork, refractory, structural work, and new control room, to significantly increase production and efficiency.
- Directed the installation of seven air compressors, totaling more than 800 hp, in three climate-controlled rooms, to provide reliable shop air pressure.
- Consulted with a spray specialist on paint machine improvements in order to decrease paint use and improve the appearance of the product. Developed and managed the conversion process, which included a new spray system, all new controls, paint storage tanks, hydraulic unit, pipe conveying system, and overspray removal.

Industrial Maintenance—Managed a maintenance team of more than 50 employees covering three shifts of operation. Personnel included a superintendent, nine foremen, millwrights, electricians, machinists, carpenters, and mechanics.

- Maintained the entire foundry consisting of scrap-loading cranes, 60 tons/hr charging system, cupola system, pollution-control equipment, wastewater treatment plant, cooling towers, hot-metal cranes, core department, six casting machines, annealing furnace, quality control, pressure-testing equipment, cement-lining station, seal-coating station, pipe lifts, air compressors, machine shop, buildings and grounds, and mobile equipment.

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