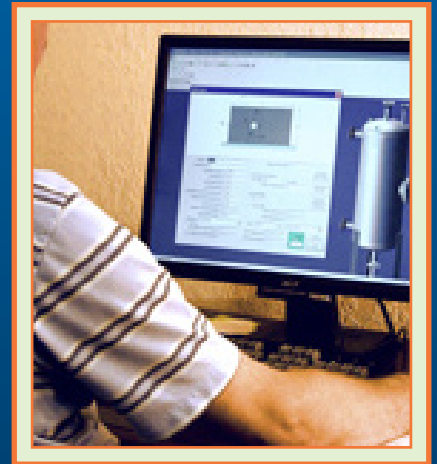


CMW

CENTRAL MAINTENANCE & WELDING



Over 40 years OF SULFURIC ACID PLANT EXPERTISE



Project Scheduling
Plant Maintenance
Turnarounds/Outages
Engineering
Fabrication
New Construction

At CMW, our goal is to ensure that your operations are running at peak performance.

CMW is your business partner for operating safely, effectively, and efficiently. Call us today to learn more about our expertise and how our services will benefit your company.

2620 E. Keyville Road Lithia, FL 33547 USA
telephone: 1 (813) 737-1402 facsimile: 1 (813) 737-1802 website: www.cmw.cc

Plant Maintenance that Keeps You Running

We can be there for daily maintenance to optimize plant production time. Many clients contract with us so that daily maintenance needs can be adequately covered. When unanticipated emergencies do arise, our experience and expertise keep your operational assets positioned for optimal efficiency today and for years to come.

Our maintenance services include work on the following:

- Heat Exchangers
- Converters
- Acid towers
- Dryers
- Mills
- Bucket elevators
- Conveyors
- Boilers
- Turbines
- Filter pans



Minimizing Turnaround and Outage Losses

When you have major turnarounds or outages, we provide superior planning, field crews, engineering and fabricated components to bring you back on line and generating revenue as quickly as possible. We handle a variety of projects for sulfuric acid plants, phosphate mines, power generation and other industrial customers.

A few sulfuric acid plant examples include:

- Removal of existing, fabrication of new and installation of ductwork, acid towers, converters, pump tanks, coolers, heat exchangers, sulfur burners and process chemical and steam piping.
- Re-tubing boilers, economizers and super heaters.
- Removal and installation of expansion joints and dampers.



Our turn-key capabilities, from scheduling to field execution and from engineering to fabrication, have our customers back up and running at defined production levels safer and faster with the quality of work you expect.

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Engineering Support for Your Diverse Project Requirements



Our engineering division brings unparalleled insight and experience to every project (from fabrication to construction) that we execute. We leverage our combined 300+ years of experience to provide early identification of issues which translates to a project being done safer, faster, and more economically.

Each member of our Engineering staff is dedicated to helping you find innovative and dependable solutions to meet your unique needs. In order to meet those demands, our engineers are knowledgeable in AutoCAD for 2D/3D drawings, AutoDesk Inventor 3D for solid modeling, Algor Finite Element Analysis (FEA), COMPRESS for ASME code vessel design,

STAAD for structural design and load analysis, E-Tank for API atmospheric tank design, and more. Examples of our engineering services include:

- Turnkey design/build
- Conceptual engineering and feasibility studies
- Structural steel and piping detailing
- Construction planning and management
- Start-up and commissioning
- Structural integrity inspections
- API tank design
- ASME pressure vessel design
- Finite element analysis (FEA)
- 3D plant modeling

Reasons to Choose our Fabrication Facilities

- Turnkey fabrication, including engineering as needed, of major components and other important materials for your business needs.
- Three fabrication shops totaling over 100,000 square feet.
- Complete machine shop.
- Paint and sandblasting facility.
- Field crews capable of safe, efficient removal of existing materials and installation of new materials.
- Welders and weld procedures qualified in accordance with ASME Section IX including ASME (U) and (S) stamps as well as National Board (R) stamp.
- Latest machine technology including plasma cutters and subarc welding machine.
- Competencies with multiple metal alloys – including those unique to sulfuric acid plants.



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