

Since 1966, Central Maintenance and Welding has been helping businesses achieve their goals and ultimate success year after year. At CMW, our mission is to ensure that your operations are running at peak performance. That's why we offer these mission-critical services:

- Project Scheduling
- Plant Maintenance
- Engineering
- Turnarounds/Outages
- Fabrication
- New Construction

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*With thousands of customers, power generation utilities must be fail-safe. Productivity and efficiency are important, but above everything else, safety comes first. That's why companies like Progress Energy and TECO count on CMW.*

Conrad Varnum, President

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## Consider it Done

### Done Correctly

With our expertise and experience, you can be sure that your project will be completed to your specifications or scope. Each project that we undertake is unique to each client's needs, and we take that into consideration when proposing and executing customer jobs.

### Done Timely

Having a project completed when you say it will be done speaks volumes about your integrity. Our commitment is to take every step to ensure that the project is done on time, if not ahead of schedule.

### Done Safely

We often work in extreme environments. So we take every precaution to make sure that the work is done safely, and that our crews and your personnel will not be exposed to unsafe conditions throughout the job.





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## Scheduling the Most Effective Use of Resources

How has CMW gained its reputation for getting our customers back up and running after a turnaround or outage?

With our thorough project scheduling processes, we can determine the most appropriate way to allocate resources to complete your project on time, if not sooner.

**Our scheduling typically includes the following steps:**

- **Developing a work scope outline.**
- **Pre-outage scheduling of all resources that will be involved in the project.**
- **Workflow tracking with Microsoft Project and/or Primavera.**
- **And finally, our standard process includes post-outage review of resources...because we're always working to be even more efficient for you next time.**

## 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**
- **Dryers**
- **Mills**
- **Boilers**
- **Turbines**
- **Piping**
- **Ductwork**
- **Rotating Equipment**



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*Thanks to the expertise and skills of our project managers and crews, we've been able to minimize downtime for numerous customers during turnarounds and outages. Our dedication and expertise ensure they are back up and running in the shortest time possible.*

Conrad Varnum, President

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*For many years, Mosaic has counted on us to keep them operating at full capacity, which in turn helps them fulfill their vision of becoming a world leader in nourishing crops and people.*



Randy Coates, Chief Operating Officer

## Minimizing Turnaround and Outage Losses

When you do have major plant turnarounds or outages, we provide superior field crews and fabricated components to bring you back on line and generating revenue as quickly as possible.

We handle a variety of projects for chemical plants, mines, power generation and other industrial customers:

### Chemical Plant examples include:

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

### Power Generation examples include:

- Outage maintenance on ballmills, bowlmills, crusher dryers, coal feeders and classifiers.
- Boiler work including air pre-heater basket and seal replacement, steam drum internals, wind box dampers, coal nozzles, burners, soot blower systems and tube and panel repair and replacement, precipitation plate repair, louvers, dampers and complete duct and transition replacement.
- Repair and rebuilds of turbine driven boiler feed pumps, start up feed pumps, main turbine repair and crossover steam piping.

Our turnkey capabilities, from scheduling to executing and from engineering to fabrication, have our customers up and running at defined production levels faster, safer, more efficiently.

## Seamless Fabrication Demands Supportive Engineering

A key objective of our Engineering division is to serve as support for our fabrication projects. Many of our projects are extremely complicated, with a significant number of variables that must be taken into consideration in order to ensure success. To do so, we employ highly knowledgeable and qualified Engineers whose job is to make sure that your job is completed to specifications.

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 Microsoft Project, Autodesk AutoCAD Mechanical, Codeware COMPRESS, and AutoCAD Inventor 3D.

The precision of the engineering team pays off for you in meeting exact specifications to give you complete confidence in meeting your precise requirements.

## Reasons to Choose our Fabrication Facilities

- 1 Turnkey fabrication, including engineering as needed, of major components and other important materials for your business needs.
- 2 Field crews capable of safe, efficient removal of existing materials and installation of new materials.
- 3 Three fabrication shops (including a dedicated area just for pipework) totaling over 100,000 square feet.
- 4 Complete machine shop.
- 5 Paint and sandblasting facility.
- 6 Welders and weld procedures qualified in accordance with ASME Section IX or AWS. CMW holds certificates of authorization for the ASME (U) and (S) stamps as well as National Board (R) stamp.
- 7 Latest machine technology including plasma cutters and subarc welding machine.
- 8 Competencies with multiple metal alloys.

For all your fabrication needs our expertise includes:

- Pressure vessels and tanks
- Hoppers, bins and chutes
- Converters
- Pipe supports and pipe racks
- Platforms, grating, and catwalks
- Heat exchangers
- Expansion joints
- Dryers
- Ducts
- Piping

## When Expansion Calls for New Facility Construction, We Build for Your Growth

As companies grow, they find that new facilities (or expansion and modification of current facilities) are needed to keep pace with growth. And more and more companies are coming to rely on the experience, including with structural steel, of CMW to meet their expansion needs.

We have used our know-how and skills to construct plants for many of our current clients. They realize that this type of work requires a highly specialized team that considers the many factors involved in the construction of new facilities, including—at the top of the list—safety.

**CMW is your partner for operating effectively and efficiently. We have provided our services to many of the largest mining, power generation, chemical processing, and other industrial companies.**

**Call us today to learn more about our expertise and how our services will benefit your company. With CMW on board, your project will be done right, done on time and done safely.**

