



MIRON CONSTRUCTION CO., INC.
Energy and Infrastructure

Constructing Solutions *to fuel the future*



Providing integrated, full-service energy and infrastructure solutions.

Overview

MIRON CONSTRUCTION CO., INC. PROFILE

Miron Construction Co., Inc. is recognized as an industry leader in construction management, general construction, design-build/EPC, and industrial services by thousands of clients throughout the United States. Founded nearly 100 years ago, Miron is one of the nation's premier construction firms.

PROJECT BONDING

Due to Miron's extensive record of completing projects ahead of schedule and below budget, as well as our exceptional reputation, we have become one of the most financially stable construction companies in the Midwest. We have earned the respect of the banking, surety, and insurance industries, enabling them to stand behind us and provide the kind of financial soundness and bonding capacity necessary to deliver large and complex construction projects. Miron's current bonding capacity is \$175 million per project with a potential overall capacity of \$650 million.

RISK CONTROL & SAFETY

Miron takes a proactive and aggressive approach to Risk Management and accident elimination. Our fully integrated process allows us to identify specific project needs through pre-planning and providing a highly skilled and trained workforce supported by comprehensive written resources, on-site safety management, regular inspections, and employee accountability.

EMR

2017 = 0.46 2016 = 0.47 2015 = 0.50

ENERGY MARKET KNOWLEDGE

Miron has completed **over \$200 million in energy projects in the last 5 years**. We have invested the time and technologies necessary to train and equip our staff to deliver a wide range of energy and infrastructure projects including conventional power generation, gas and oil, waste-to-energy, and biogas facilities. Our team understands the unique demands facing this industry:

- Providing safe and reliable energy
- Mitigating waste discharge and disposal issues
- Achieving local, state, and federal regulatory compliance
- Meeting organizational sustainability objectives
- Supporting alternative energy initiatives and/or organizational energy independence
- Diversification of assets
- Eliminating bottlenecks and limitations within the production process to enable increased productivity and/or expansion
- Unique needs of clients, i.e., municipalities, IPP, and regulated utilities

Miron understands that no two projects are the same. Each has specific needs with very different requirements. That is why the process begins with a Project Readiness Assessment. We listen carefully to understand the project goals, and as part of this assessment the appropriate team members are identified early, creating a seamless project delivery from start to finish.



What Sets Us Apart?



FULLY INTEGRATED APPROACH

Building a power generation facility is a delicate process. Siting, permitting, EPC, finance, legal considerations, technology, and other pre-development arrangements are important, and mistakes in any of them can negatively impact a project. That is why Miron is committed to offering a fully integrated approach that brings all areas of pre-development expertise together at the onset of a project to ensure it is set up for success.

Acting as the Overall Project Development Manager, Miron brings all subject matter experts to the table to help clients with initial project development, fuel source identification, construction, project start-up, and everything in between. A few examples of these areas of expertise include:

- **Financial** - Sourcing Project Financing, Managing Financial Risk
- **Legal** - Supply, Offtake, and Hedging Agreements; Contract Structures; Performance Guarantees
- **Engineering** - Miron draws from valuable relationships with engineering partners across all industries to identify the expertise best-suited for your project
- **Technology** - Miron has developed relationships with leading equipment OEMs to assist our clients in their evaluation and selection of process equipment

DELIVERY METHOD SELECTION

In addition to ensuring the right partners are brought on at the right time in the process, Miron can help you determine which delivery method is best-suited to your project goals. Integrated project delivery, as described above, is just one of the many delivery methods that can be employed. Miron offers a cafeteria-style menu of services that can be tailored to your unique project needs. These are described in the following pages.

◀ *Marquette Energy Center 54MW Dual Fuel Power Plant Project | Marquette, MI*



Integrated Approach

PROJECT DEVELOPMENT

Miron's integrated approach begins well before a shovel hits dirt. For construction to happen, we know that there are significant challenges that must be addressed. Our partners' expertise in private financing, offtake agreements for merchant facilities and process warranties, as well as our awareness of the importance of long-term feedstock/fuel supply agreements, can help develop the foundation for a successful facility. Our team can connect you with resources in the following areas:

Legal Support

Financing Support

Engineering & Permitting Support

Process Guarantees

Feedstock/Fuel Supply Agreements

Offtake Agreements



PRE-CONSTRUCTION

We differentiate ourselves from other general contractors by offering the most complete and extensive pre-construction services available. This allows us to assist in developing best-value solutions and provide a seamless transition into construction.

To help uncover those best-value solutions for our clients, we have developed a number of strong relationships with key technology suppliers, equipment vendors, and engineering partners in the fields of power generation, waste-to-energy, and biogas. Pairing their expertise with our wealth of internal team knowledge, Miron helps ensure you get the most from your investment through our pre-construction services.

Project Layout & Site Evaluation

Planning, Scheduling & Phasing

Material & System Reviews

Detailed Conceptual/Schematic Estimates

Value Engineering

Engineering Design Constructability Reviews

Bid Package Development

Design Services, Building Information Modeling (BIM) and

Virtual Process Integration (VPI)

LEED/Sustainable Services

◀ Forest County Potawatomi Community Renewable Generation Facility Project | Milwaukee, WI



CONSTRUCTION

Construction can be an exciting time for Owners. It is when all the planning during project development and pre-construction starts coming to life. It is also a hectic time that requires critical attention to detail and extensive coordination to ensure what was agreed upon during development is what actually gets built. Miron has the experience and resources to successfully deliver projects of any size. Construction services include:

Subcontractor Bidding, Analysis & Award

Equipment Procurement Services

Project Contracts & Cost Control

Project Scheduling

Risk Management & Quality Control

Project Administration

Self-Performance

- ***Concrete***
- ***Masonry***
- ***Structural Steel & Precast Erection***
- ***Equipment Installation & Alignment***

COMMISSIONING & START-UP

There is nothing more frustrating than a facility that does not function as designed. Miron understands the variables that impact this process, and we know that detailed planning and scheduling during the commissioning and start-up phases are mission critical. Not only will our team be present during these activities, we are also able to provide on-going operational support once your facility is up and running.

System Checkout

Commissioning

Start-up

Turnover



Coldwater Public Utilities - Peaking Plant Project | Coldwater, MI ▶



Project Delivery



WHICH ONE IS BEST FOR YOUR PROJECT?

Miron's vast construction portfolio has also given us extensive experience with a number of different delivery methods, including:

- **Design/Bid/Build** - a popular delivery method in which the Owner contracts directly with the design firm to develop the project design and contract documents. The Owner then contracts with a general contractor and/or multiple prime contractors to construct the project.
- **Design-Build/EPC** - a delivery method in which the Owner has one contract with the design-build/EPC contractor. The design-builder holds the contracts with the engineering firm(s), equipment vendors, and the trade contracts. The design-builder is responsible for the work performance and construction costs included in the Design-Build/EPC contract. Major equipment is often procured separately by the Owner with the purchase orders administered by the Design-Build/EPC contractor.
- **Integrated Project Delivery (IPD)** - a delivery method that allows the engineering firm and general contractor to team with an Owner at the very early stages of a project. This team works together from project initiation to develop the engineering, equipment selections, budgets, construction schedules, procurement procedures, and virtual process information modeling, following through the entire construction and execution of the project.



Experience

OUR CLIENTS

Miron's energy and infrastructure project experience spans power generation, gas and oil, waste-to-energy, and biogas projects. Our 95+ year history serving many industrial markets has given us a strong foundation and intimate knowledge for how to successfully deliver these types of complex projects. We are honored to count many industry-leading companies as satisfied clients.

Air Quality Control Systems

- WEC Energy Group Inc.

Biofuel/Biogas

- Big Ox Energy
- FCPC Renewable Generation, LLC
- Bush Brothers & Company
- Richland Center Renewable Energy, LLC
- Veolia Energy North America
- GreenWhey Energy, Inc.

Coal

- WEC Energy Group Inc.
- PPGA
- Alliant Energy
- WE Energies

Gas/Oil

- Big Ox Energy
- Consumers Energy
- Enbridge

Hydro

- Xcel Energy
- WE Energies
- WEC Energy Group Inc.
- Alliant Energy

Natural Gas

- WEC Energy Group Inc.
- Coldwater Board of Public Utilities
- Marquette Energy Center



MIRON CONSTRUCTION CO., INC.

Providing integrated, full-service solutions to the power generation, gas and oil, waste-to-energy, and biofuels industries.

www.miron-construction.com

Office Locations

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Our *commitment* reaches beyond construction,
our *passion* brings *dreams* to life.