Michels Construction, Inc. gets your project off to a strong start by designing and constructing foundations and industrial facilities. We take pride in achieving project goals safely, on time, and within budget. Michels Construction serves the energy, transportation, and industrial industries with value-engineered, design-build solutions. Our multidisciplinary team consists of experienced leaders, licensed engineers, dedicated field crews, and an unmatched fleet of equipment.

Strong, stable solutions for your projects

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www.Michels.us
DEEP FOUNDATIONS
Michels Construction, Inc.’s design-build capabilities ensure cost-effective, engineered solutions for even the most complex deep foundations projects. Our team includes licensed Professional Engineers (PE), licensed Structural Engineers (SE), and Multi-disciplinary Engineers (civil, structural, geotechnical).

Our techniques include:

• Augercast piles
• Drilled shafts (rock-socketed, belled, and oscillated)
• Driven piles
• Helical piers
• Micropiles
• Mini-caissons
• Permanent and temporary casing

DEWATERING
Groundwater can impact the safety and delay the progress of a construction project. Michels Construction, Inc. has the skills and expertise to quickly assess any groundwater control situation, design an efficient solution, and implement it.

Our techniques include:

• Bypass pumping
• Deep wells
• Sock tile
• Trenching
• Wellpoints

EARTH RETENTION SYSTEMS
Michels Construction, Inc. plans, designs, and builds cost-effective geotechnical structures to support deep excavations, both temporary and permanent. Our impressive collection of earth retention services is designed to provide you with custom solutions for your project needs.

Our techniques include:

• Ground anchors and tiebacks
• Drop shafts
• Secant and tangent pile walls
• Sheet piles (vibrated and hydraulic pressed)
• Soil nails and shotcrete
• Soldier piles and lagging
• Slope stabilization
• Underpinning
GROUND IMPROVEMENT
Michels Construction, Inc.’s experienced, in-house ground improvement engineers work with you to find the most technically sound, cost-effective solutions for complex challenges.

Our techniques include:
• Aggregate piers
• Dynamic compaction
• Grouting
• Rigid inclusion
• Stone columns
• Vibro compaction

INDUSTRIAL CONSTRUCTION
Michels Construction, Inc. supports customers by providing industrial and structural construction solutions needed for your systems, processes, and mission-critical operations.

Our techniques include:
• Building erection
• Epoxy and structural grout applications
• Equipment alignments
• Rotating equipment installation
• Security fence installation
• Steel erection
• Structural concrete
• Structural steel fabrication

MARINE CONSTRUCTION
Michels Construction, Inc. is the premier, go-to contractor for a wide variety of marine work on lakes, rivers, and inlets. We have the experience, capabilities, capacity, and equipment required to tackle projects of all sizes, including many large-scale projects simultaneously.

Our techniques include:
• Certified commercial diving
• Cofferdams
• Gate installation and repair
• Hydraulic and mechanical dredging
• Hydrographic surveys
• Inspections and debris removal
• Intakes
• Island building
• Lock and dam repair
• Scour and erosion repair
• Shoreline restoration
Private Energy Facilities
Montana, South Dakota, Oklahoma, Texas
2020-2021
- 7,810 cubic yards of structural concrete
- 1,040 driven steel piles
- 543 drilled shafts
- 144,000 HP of electrical-driven rotating equipment installed with millwrighting and epoxy grouting
- 770 tons of structural steel (fabricated and erected)

Private Revetment
Bayside, WI
2021
- Lake Michigan shoreline work done by barge
- 10,200 tons of 4- to 6-ton red granite armor stone
- 5,500 tons of 800 to 1,500-pound quartzite filter stone
- 3,200 tons of 4- to 10-inch quartzite bedding stone
- New revetment wall spanning 600 lineal feet
- 75-foot groin structure

McDonalds Headquarters
Chicago, IL
2016-2017
- Foundation system for 9-story structure with 600,000-square-feet of space and two levels of underground parking
- 458 secant piles
- 100 top of rock (t/rock) caissons
- Temporary earth retention to construct elevator shaft prior to top/down construction
- O-cell testing

I-74 Mississippi River Bridge
Moline, IL
2017-2018
- 242 drilled shafts (233 drilled in river)
- 7-foot and 10-foot permanent steel casing
- Up to 4 drill rigs working simultaneously from barges

Cle Elum Dam
Ronald, WA
2019
- Earth retention system for 20-foot-wide fish passage structure
- 35-foot to 95-foot deep soldier piles
- 222 tiebacks with average depth of 70 feet
- 31,000 square feet of shotcrete lagging
- Located in a lake bed

8,000 people strong
14,000 pieces of equipment
1959 founded in
40+ offices in North America
ENR’s Top 400 Contractor’s List

an overview of the collective strength of the michels® family of companies