

Marine Construction



TECHNIQUES

Our robust foundation services include sheeting, dock wall and harbor restoration, caissons, piling, dewatering, and earth retention.

Michels 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 in-house engineering staff works to ensure the development and implementation of technically sound design solutions, including the incorporation of value engineering whenever possible.

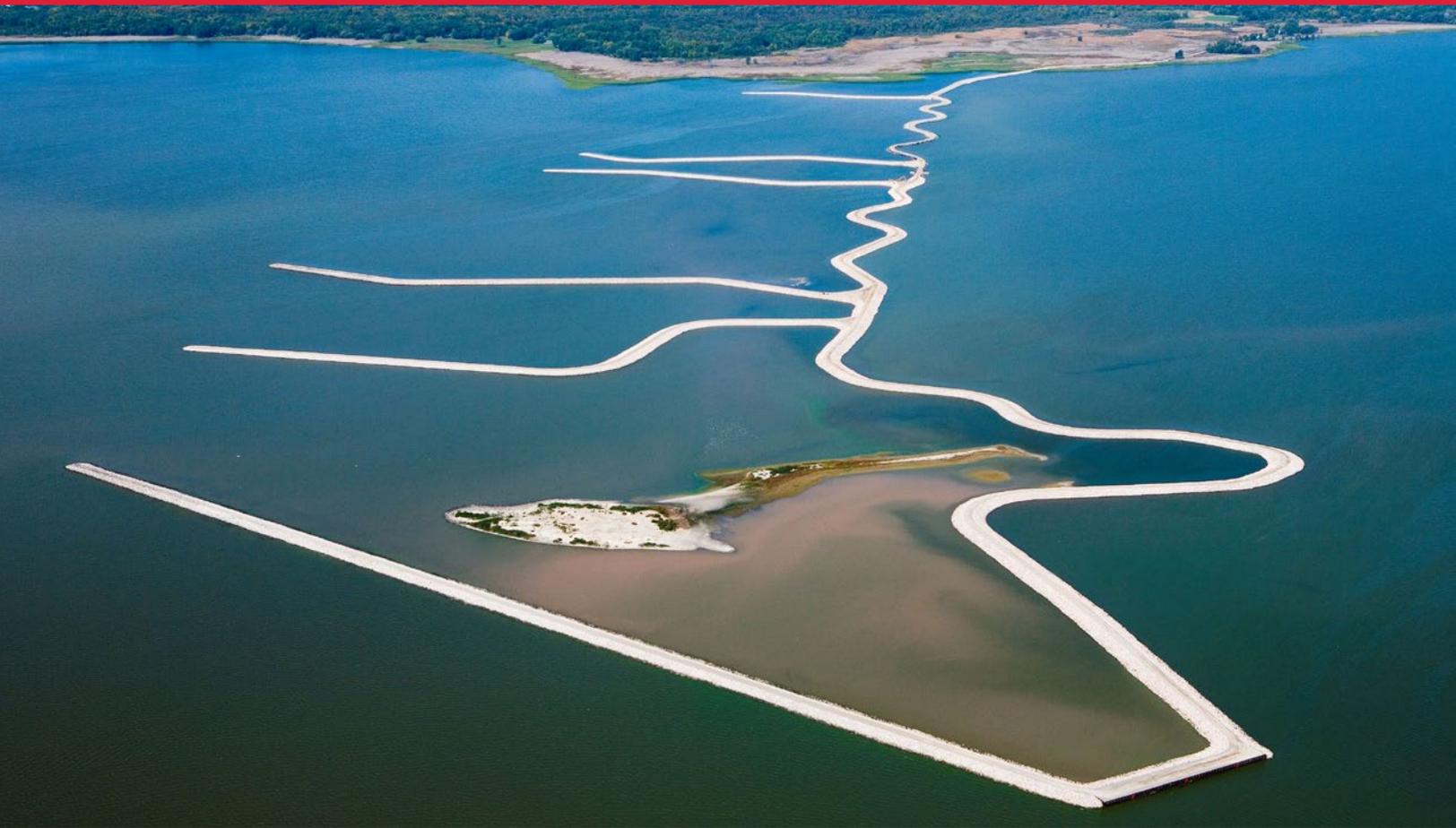
Our services include:

- Dredging – mechanical and hydraulic
- Gate installation and repair
- Intakes
- Certified commercial diving
- Inspections and debris removal
- Cofferdams
- Lock and dam repair
- Scour and erosion repair
- Island building
- Shoreline restoration
- USACE-approved provider of riprap and armor stone for shoreline protection and restoration
- Hydrographic surveys





Expertise & Experience



Why Michels?

Our integrated approach of performing all aspects of foundation work supports our clients by saving time, money, and streamlining your point of contact to ensure a smooth, successful project.

Island building

Michels built 4.3 miles of stone dike ranging from 4 to 8 feet high on the Lake Michigan bed to reconstruct an island chain. The dike was built to exact specifications for height, width and shape. Michels also drilled steel sheet sheets and piling into the bed to build a 275-foot barge and ship mooring facility. The chain was created by building a curvy stone dike of three bays created by six legs of core stone with armor stone extending into the lake. The bays will be used as dredged material disposal facilities with 20 years of capacity for sediments from the upper portion of Green Bay's navigation channel.

Gate replacement

Michels repaired and replaced 8 tainter gates and 9 existing concrete piers on a severely deteriorating dam last rebuilt 90 years ago. To complete the project, Michels could only remove 2 tainter gates at a time. This led to crews sequencing the installation of the cofferdams and stoplogs to create an efficient schedule.