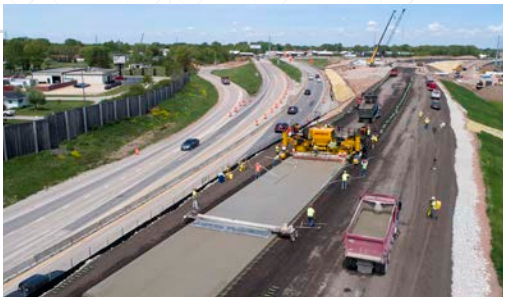


THE MICHELS FAMILY OF COMPANIES

SOLUTIONS

MICHELS®

WE DO THAT

& MORE

www.Michels.us

Energy Solutions

Life requires energy. Our teams have the experience and insight to move resources from traditional and renewable generation facilities through distribution to endpoint users. We design, build, maintain and expand all aspects of critical networks with high standards for safety and quality.

MICHELS PACIFIC ENERGY, INC.

Our actions and decisions revolve around safety. Whether we are hardening electrical systems, building a way to move energy from a renewable plant to a distribution system, or rebuilding infrastructure after a natural disaster, we deliver safety and environmentally conscious solutions to the Western United States.

Pipeline Construction
- Hydrogen
- Natural gas
- Oil
- Water

Electrical Transmission & Distribution Lines
- Overhead & underground
- Up to 500kV

Emergency & Storm Response

Facilities Construction

Integrity & Maintenance

Renewable Energy
- Generation-tie lines
- Battery energy storage
- Underground & overhead collection systems

Substations

MICHELS PIPELINE, INC.

We partner with our customers to nurture the United States' transmission systems from initial planning to decommissioning, ensuring safety and integrity. Our full-service construction services support traditional and renewable resources.

Facilities Construction
- Compressor, metering, pumping & regulator stations
- Horsepower additions

Integrity & Maintenance

Pipe Fabrication
- Custom fabrication
- Painting & coating applications
- Third-party non-destructive testing (NDT)
- Welding

Transmission Pipeline Construction

MICHELS POWER, INC.

Overhead and underground delivery systems are complex. We are a national contractor for all scopes of energy transmission, distribution and substation projects from 69kV to 765kV as well as communication networks. Informed by our past and inspired by the future, we tailor Engineer, Procure and Construct (EPC) solutions for traditional and renewable energy.

Emergency & Storm Response

Foundations

- Auger-cast piles
- Direct embed
- Drilled shafts
- Driven piles
- Micropiles

Live Line Upgrades & Repairs

- Barehand work
- Hot sticking
- Mechanical arms

Renewable Energy

- Battery energy storage
- Collection systems

Substations & Indoor Wiring

- Greenfield & brownfield HV & EHV stations
- Testing & commissioning
- Hospitals, commercial & industrial

Transmission & Distribution Lines

- New, rebuild & relocation
- Overhead & underground, including HDD
- Site & access road clearing & preparation
- Wire stringing

Underground Line & Cable

- Communications networks
- Joint installations (telecom, power & gas)
- New & rebuild through 230kV

MICHELS UTILITY SERVICES, INC.

From clean-burning natural gas to bundled utilities, we construct and maintain America's distribution infrastructure. We work throughout the United States under individual service contracts and master service agreements.

Distribution Pipeline Construction

Distribution Regulator Stations & Vaults

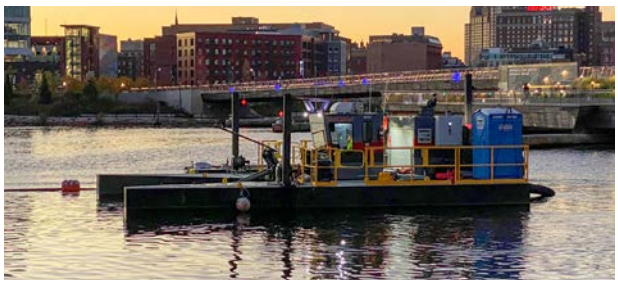
Integrity Management

Duct Bank Installations

Joint Installations

Construction Solutions

Unique projects deserve strategically assembled teams capable of performing each specialized scope at the highest level. By using our civil, foundations, marine and trenchless teams to self-perform major scopes of work, we provide superior quality, uniform values, and streamlined communication and contracts.



MICHELS CONSTRUCTION, INC.

We design and build safe, technically sound, value-engineered solutions for complex projects on land and water. Our skilled crews and specialized equipment meet our customers' goals for project success and stewardship.

Deep Foundations
- Drilled shafts (caissons)
- Driven piles
- Helical piers
- Micropiles

Dewatering
- Bypass pumping
- Deep wells
- Trenching
- Wellpoints

Earth Retention Systems
- Ground anchors & tiebacks
- Secant & tangent pile walls
- Sheet piles
- Soldier pile & lagging

Ground Improvement
- Aggregate piers
- Dynamic compaction
- Rigid inclusions

Industrial Construction
- Building & steel erection
- Epoxy & structural grout
- Equipment alignment
- Structural concrete

Marine Construction
- Construction & restoration
- Hydrographic surveying
- Diving
- Dredging

Federal Infrastructure
- Aviation
- Bridges
- Levee work & dam removals
- Rail cut & cover tunnels
- Water pump stations

MICHELS ROAD & STONE, INC.

Our earth-moving, custom crushing, concrete production and material placement spreads are mobilized throughout the United States to address transportation and site preparation needs.

Airports
- Paving runways, taxiways & ramps

Commercial Aggregates
- Rail ballast
- Sand & gravel

Custom Crushing & Placement
- Recycle crushing of buildings, highways, bridges & roads
- Mobile crushing spreads

Crushing
- Gravel & sand production
- Quartzite, granite, limestone & asphalt

Mass Excavation
- GPS-enabled equipment
- High-volume performance

Road Construction & Paving
- Aggregate placement
- Concrete batching & paving
- Drain tile

Shoreline Supplier
- USACE-approved armor stone & riprap

AQUEOS MARINE, INC.

Aqueos Marine has decades of experience providing subsea inspection, maintenance and repair service to both coasts. From saturation diving and remotely operated vehicles (ROV) to crew transfer and cable-laying vessels, Aqueos supports offshore wind and renewable energy projects.

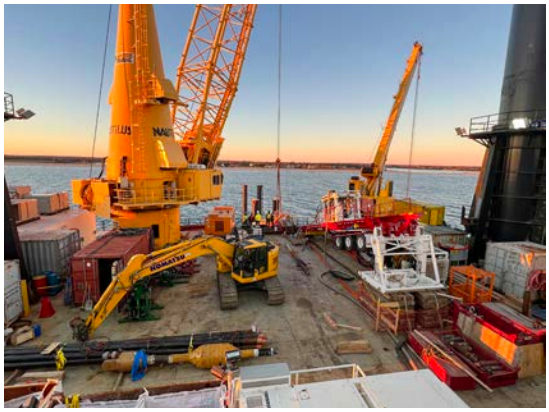
MICHELS TRENCHLESS, INC.

Trenchless construction is an environmentally sound way to build, repair and expand critical infrastructure in populated and remote locations with minimal surface disruptions and environmental impacts. As a global leader and innovator, we pursue ways to build connections under waterways, roads and other obstacles where conventional construction would not be possible.

New Installation
- Alternative delivery models
- Auger boring
- Direct Pipe®
- Horizontal directional drilling (HDD)
- Microtunneling
- Pipe assist

Pipe Rehabilitation
- Cured-in-place pipe (CIPP) & UV CIPP
- Spray-in-place pipe (SIPP)
- Sliplining
- Chemical grouting

Tunneling
- Hard rock tunnel boring machines (TBM)
- Earth pressure balance TBM
- Drill blast tunneling
- Sequential excavation methods (SEM)



J.D. HAIR & ASSOCIATES

The first engineering firm to provide consulting services specifically for trenchless construction, J.D. Hair & Associates combines multifactor analysis with extensive experience to develop achievable, affordable, technically sound plans. Construction monitoring services measure progress and performance.

International Solutions

MICHELS TRENCHLESS, PTY LTD

Our Australia-based crews are supported by a global team of industry experts to provide safe, unobtrusive trenchless infrastructure construction solutions.

Trenchless installations

- Direct Pipe®
- Horizontal directional drilling (HDD)

MICHELS TRENCHLESS GmbH

Guided by our values and inspired by a desire to innovate, Michels Trenchless brings craftsmanship and quality to our trenchless construction solutions. Our dedicated European-based crew of experienced personnel are supported by a global team of industry experts and world class equipment.

Trenchless installations

- Direct Pipe®
- Horizontal directional drilling (HDD)

MICHELS CANADA

Michels Canada offers proven construction solutions to support Canada's energy, water and wastewater infrastructure. Our experience includes joint venture partnerships and bid-build, design-build (DB), design-bid-build (DBB) and public-private partnership (P3) delivery models.

Energy

- Direct Pipe®
- Horizontal directional drilling (HDD)
- Integrity & maintenance
- Mainline pipeline
- Tunnelling

Infrastructure

- Cured-in-place pipe (CIPP)
- Direct Pipe®
- Horizontal directional drilling (HDD)
- Sliplining
- Spray-in-place pipe (SIPP)
- Tunnelling

Power

- Emergency response
- Live line upgrades & repairs
- Foundations
- Transmission & distribution lines

The diversity of the Michels Family of Companies delivers end-to-end solutions for complex projects.

The Michels Family of Companies

The Michels Family of Companies is a collection of wholly owned infrastructure and energy contractors providing solutions under the Michels brand flagship. All companies perform safe, unique, and specialized services for energy, foundations, renewables, marine, transportation, civil and water and wastewater industries. Whether operating alone or collaborating on a project, all members of the Michels Family of Companies are united by shared Core Values, quality standards and a world-class reputation upheld by Michels since 1959. Our customers receive innovative solutions, consistent quality and the convenience of one key point of contact.

An overview of the collective strength of the **MICHELS** Family of Companies

- 8,000 people strong
- 18,000 pieces of equipment
- 50+ locations globally
- Top 8% — ENR's Top 400 Contractor's List

The Michels Family of Companies delivers safe, reliable solutions to industries focused on improving the quality of daily life throughout the world.

CIVIL · ENERGY · ENERGY TRANSITION · FOUNDATIONS · MARINE · TRANSPORTATION · WATER

Safety is the cornerstone of our culture.

Safety is more than something we talk about. We incorporate it into everything we do. That means we provide our people with programs, tools, time and training to do what needs to be done without cutting corners or taking unnecessary risks.

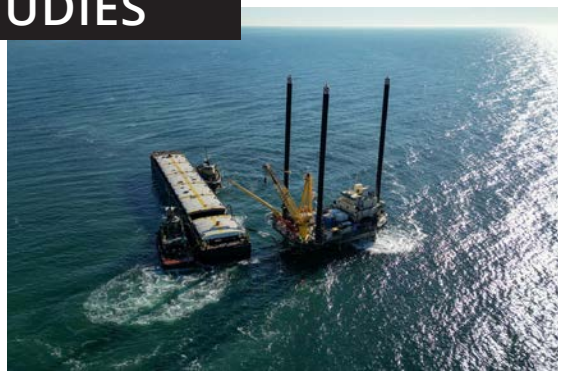
ENR Rankings

32	TOP 400 CONTRACTORS
6	PETROLEUM
8	POWER
10	WORKING ABROAD
30	NEW CONTRACTS
36	HEAVY CONTRACTORS

We Do That … & More

As one of the largest, most diversified energy and infrastructure construction contractors, Michels can combine our specialized services into one team capable of leading your project from preconstruction to restoration. This unified approach allows Michels to provide innovative solutions, consistent quality, and the convenience of one key point of contact and one contract for many facets of a complex project.

CASE STUDIES



PIPELINE FACILITIES

Michels Pipeline, Inc.
- Pipeline construction
- Pipe fabrication
- Mechanical installations

Michels Power, Inc.
- Industrial wiring
- Access roads & matting

Michels Construction, Inc.
- Building erection
- Foundations
- Structural concrete
- Groundwater control

Michels Road & Stone, Inc.
- Site preparation
- Custom crushing

OFFSHORE WIND

Michels Construction, Inc.
- Ballast placement
- Dredging
- Diving
- Seawall construction
- Entry & exit shafts
- MTBM & equipment retrieval
- Port construction & rehabilitation

Michels Trenchless, Inc.
- Landfall (HDD, Direct Pipe, microtunnel)

Michels Power, Inc.
- Onshore substations
- Inside wiring
- Transmission lines
- Distribution lines
- Structures, foundations & wires

Michels Utility Services, Inc.
- HDPE fusing
- Underground duct banks

Aqueos Marine, Inc.
- Cable laying
- Divers
- Marine vessel, barge & crew support
- Survey & trenching

J.D. Hair & Associates
- Landfall engineering

MICHELS®

WE DO THAT … & MORE