

OFFSHORE ENERGY

WE DO THAT ... & MORE

CAPABILITIES

We have the resources and expertise to provide turnkey engineering and execution packages from inter-array cables through connection to the existing power grid

Michels is an international energy and infrastructure contractor with a reputation for succeeding on the most challenging projects. We have the experience, capabilities, capacity and equipment required to deliver critical offshore energy facilities and related projects. Our in-house design and engineering staff works to ensure the development of technically sound solutions. Our project management and field teams believe safety, quality and reliability are fundamental to all project plans.

SERVICES

Trenchless

- Direct Pipe®
- Horizontal directional drilling (HDD)
- Microtunneling
- Auger boring

Marine

- Diving (construction and maintenance)
- Dredging and ballast placement
- Vessel, barge and crew support
- Surveys and inspections
- Cable laying and pull-in
- Operational and maintenance support

Electrical

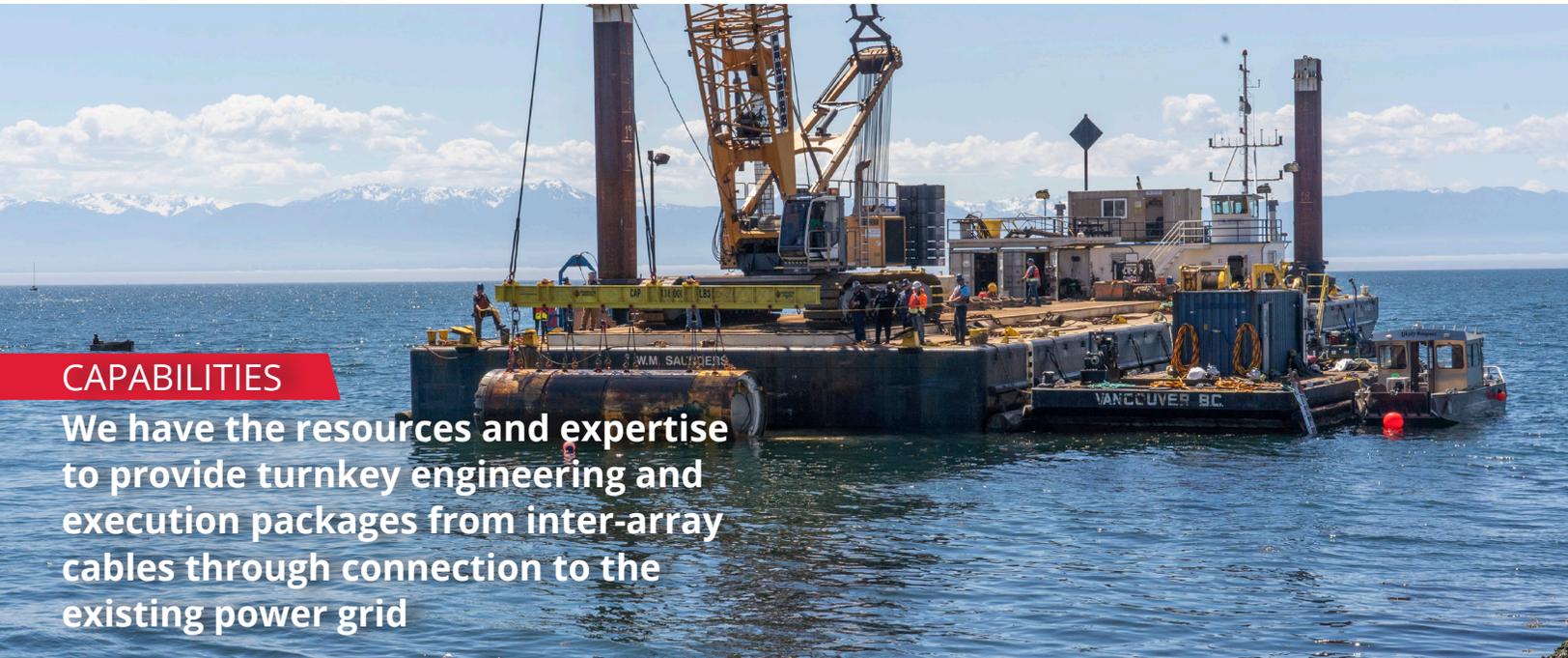
- Subsea and underground transmission and distribution lines
- Tie-ins
- Substation and vault construction
- Communication ducts

Engineering

- Alternative delivery contracting
- Trenchless design
- Stamped drawings
- Permitting
- Construction monitoring

Offshore Scopes of Work

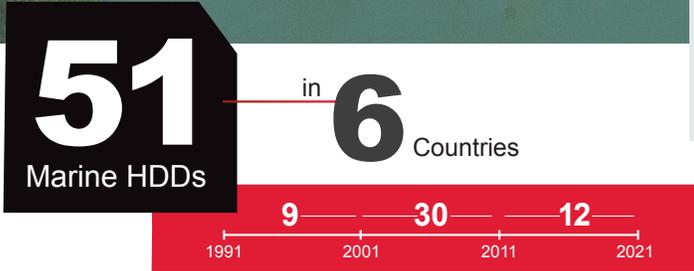
- Inter-Array Cable (IAC) pull-in operations
- IAC Termination & Testing (T&T) services





“In support of the world’s energy transition, Michels combines our technical abilities as a premier trenchless contractor, top-ranked T&D contractor and experienced marine contractor to build forward-focused infrastructure for the coming decades.”

Phillip Michels, President of Micon Group



Expertise & Experience



Bridge Stanchion Removal

Freemont, NE
Underwater construction

A diving team used underwater tools to prepare concrete stanchions for mechanical removal. The divers also discovered and removed steel sheeting buried below the mudline. The project was completed with graded bio-fabric, reinforced shoreline riprap, and a graveled laydown area.



West Ashville Substation

Harmony, NY
Greenfield 115-35.5kV substation

The West Asheville substation project contract included site work/ road access and foundations. Michels completed installation of fencing, below-grade conduits, cable trench and below-grade grounding. Testing and commissioning were also provided. The substation was an Article VII project, requiring a focus on adhering to strict environmental guidelines.



Hubline

Boston, MA
25,410-feet across 7 HDDs
Land-to-water and water-to-water

The Hubline project consisted of challenging land-to-water and water-to-water crossings in and around the greater Boston area connecting the Martimes & Northwest and the Algonquin pipelines. The locations included the Boston Harbor, Georges Island, Beverly Harbor and Salem Landing. Operations were conducted 24/7 to most efficiently utilize marine resources.

Why Michels?

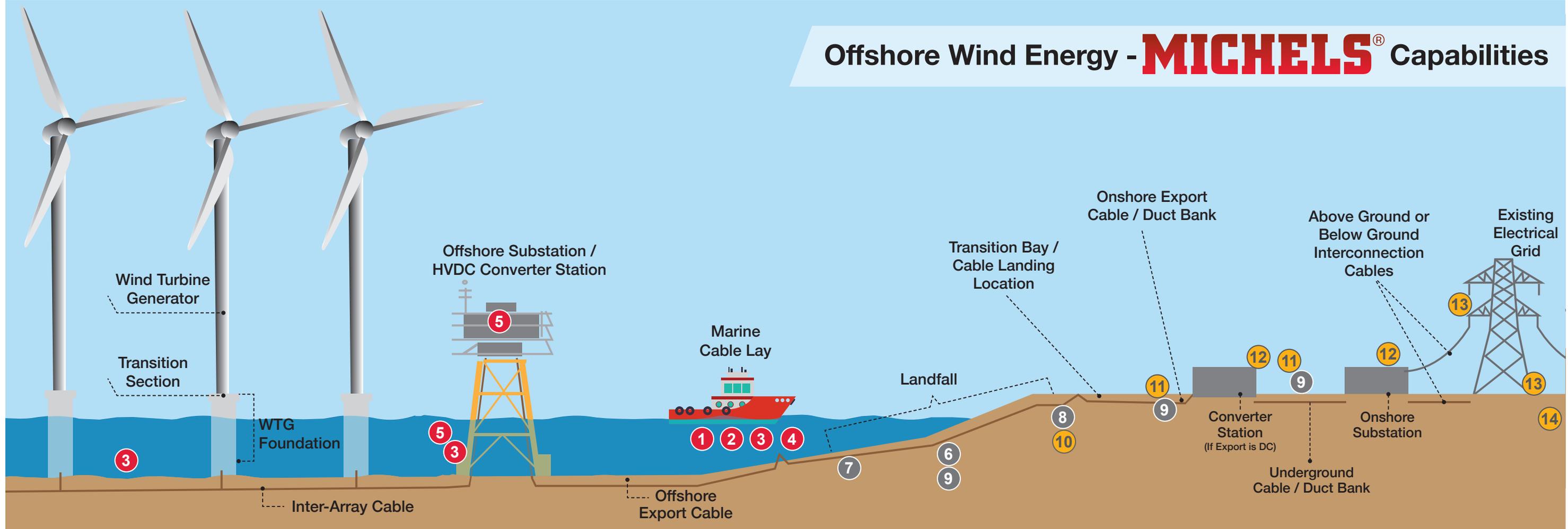
We have been pioneering innovative new technologies and serving emerging markets for more than six decades. We have completed many first-of-their-kind projects without walking away from even one. Our experience, tenacity, ingenuity, resources, and skill ensure a smooth, successful project.

1st
Transmission & Distribution
Contractor
(2021 ENR Sourcebook)

27th
Contractor
(2022 ENR Top 400)

MICHELS®

Offshore Wind Energy - MICHELS® Capabilities



Offshore Scopes of Work

1. Protected Water AC/DC Cable Laying and Burial (Shallow Water <15 Feet Water Depth)
 - Survey and Trenching
2. Vessel, Barge and Crew Support for All Marine Needs
 - Provision of Crew Transfer Vessels (CTVs)
3. Diving for all Marine Needs
 - Emergency Subsea Cable Repairs
4. Dredging and Ballast Placement
5. Post Construction Operations and Maintenance Support
 - Inspections & Repair of Foundations/Subsea Structures/Cables

Landfall Scopes of Work

6. Trenchless Installs via Direct Pipe®, Horizontal Directional Drilling (HDD) or Microtunnel
 - Land to Sea, Sea to Land, Land to Land or Sea to Sea
7. Trenchless Marine Support
 - Microtunnel Boring Machine (MTBM) and other Equipment Retrievals
 - Marine Gravity Cells/Pits for Trenchless Exits
 - Export Cable Pull-ins
8. Landfall Civil - Foundations and/or Excavations
 - Seawall Construction
 - Transition Bay/Cable Landing Foundations
 - Direct Pipe® / Microtunnel Entry Shafts and Work Pads
9. HDPE Fusing
 - On Shore or Sea

Onshore Scopes of Work

10. Port Construction and Rehabilitation
11. Onshore Export Cable & Underground Duct Bank
 - Underground Transmission Cable System Installation
 - Concrete Encased Duct Banks
 - HDPE Fusing
12. AC Substations and DC Converter Stations
 - Substation Construction and Equipment Setting
 - Foundations & Civil Grading
 - Inside Wiring
13. Above Ground Transmission
 - T-Line Foundations, Structures and Wires
14. Below Ground Transmission and Distribution