

# THE BARDEX OMNICRANE MERCING PROVEN TECHNOLOGY WITH NEW APPLICATIONS

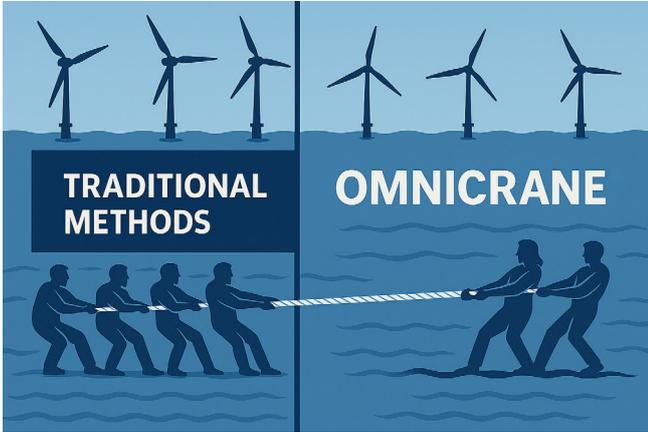


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**BARDEX**<sup>®</sup>  
Raising the Bar Together.

# TRADITIONAL OFFSHORE WIND INSTALLATION METHODS: KEY RISK FACTORS



- **Worker Safety Risks:** Over-water operations create significant safety hazards
- **Weather Vulnerability:** Tidal and wave activity cause platform oscillation, permitting work only during the calmest conditions
- **Complex Assembly Requirements:** Aligning components at 130+ meter heights while suspended from boom cranes is dangerous and difficult

## WILL YOU PICK THE WINNING SIDE?

- **Environmental Impact:** Conventional diesel-powered cranes and the required tug assistance generate substantial greenhouse gas emissions
- **Ongoing Maintenance Challenges:** Equipment availability for life-cycle maintenance presents logistical and financial uncertainties
- **Operational Bottlenecks:** Limited quayside space and pre-commissioning issues create production delays



## KEY ADVANTAGES OF THE OMNICRANE SYSTEM: SAFETY AND ENVIRONMENTAL IMPACT

- **Ground-Level Assembly:** Enables safer, more efficient assembly of sub-components at grade level
- **Parallel Construction:** Sub-assemblies can be built simultaneously with platform assembly and pre-staged
- **Reduced Lift Requirements:** Two blades can be installed into the hub before lifting, minimizing dangerous high-elevation operations
- **Lower Environmental Impact:** Grid-powered operation significantly reduces greenhouse gas emissions and carbon footprint

BARDEX® MANUFACTURING  
FACILITIES MAINTAIN  
RIGOROUS CERTIFICATIONS.



The OmniCrane's key lifting component, the chain jack, has been safely lifting vessels since 1967 and has been used in off-shore energy for decades.

## KEY ADVANTAGES OF THE OMNICRANE SYSTEM: INVESTING IN LONG-TERM FINANCIAL SUCCESS

- **Improved Schedule Reliability:** Enables pre-commissioning of turbines on land with purpose-built design
- **Future-Proof Investment:** Adaptable to accommodate larger turbines (15 to 22+ MW) through modular design
- **Multi-Industry Applications:** Supports various maritime industries, including oil & gas asset decommissioning, module offloading, and marine construction



Ask us how our Marine Infrastructure Advisory Team can optimize your entire site.

### Corporate Headquarters

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