

THE BARDEX OMNICRANE MERGING PROVEN TECHNOLOGY WITH NEW APPLICATIONS

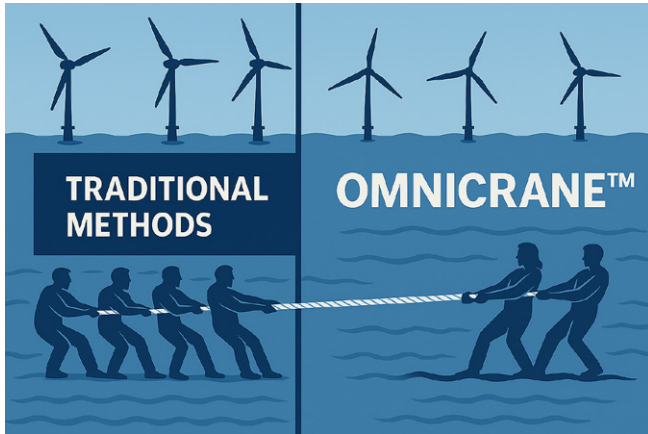


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BARDEX®
Raising the Bar Together.

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.



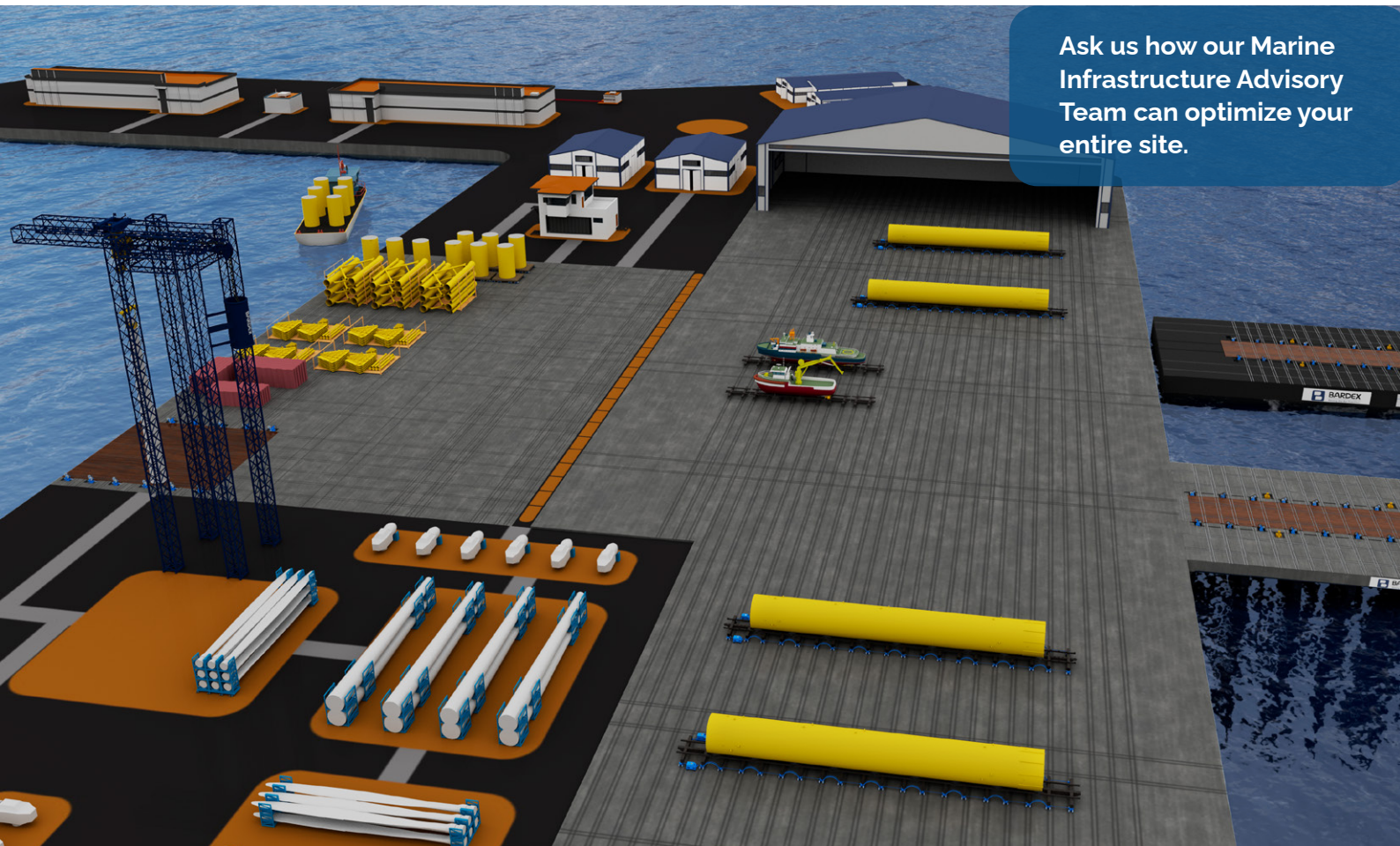
The OmniCrane's key lifting component, the chain jack, has been safely lifting vessels since 1967 and has been used in off-shore energy for decades.

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.



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