



Together, to build a sustainable future



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Providing proprietary technologies to the global offshore & maritime industry to support energy transition

Offshore Wind



Offshore Oil & Gas



Sea Transport & Salvage





Our Expertise

- Offshore wind installation jack-ups
- Floating wind mooring system
- Offshore heavy lift cranes
- Deepwater pipelay systems
- Telescopic gangways
- MODU drilling equipment
- Large lattice structures
- Ship/semi/jack-up hull structures
- Marine operation equipment

Jack-up Leg Cushion System

- Reduce leg landing impact load and increase jacking operation seastates to $H_s = 2.5 \sim 3\text{m}$; boost productivity of vessel by 35%
- Provide 50% extra capacity to pull out legs in case spudcan entrapped in soil
- Added to bottom of jack-up legs, no impact to vessel payload and other operations
- Particularly advantageous for hard and very soft seabeds, with improved operating safety and efficiency





Floating Turbine On-site Component Exchange

- On-site component exchange with crawler crane onboard FOWT platform
- Crane transported to FOWT by a vessel with proprietary heave-compensated platform and bridge
- Offshore lifting capacity up to the crane, attainable: 300t@150m high
- Operation limit: platform inclination $\leq 2.5^\circ$ (equivalent $H_s \approx 2.5\text{m}$)
- No change to turbines and towers

Single Anchor Mooring for Floating Offshore Wind

- Applicable for semi, barge and spar type of floaters, reduce CAPEX of FOWT mooring system by 75%
- Weathervane and streamlined floater can reduce max mooring load by 50% (extra saving)
- Suspended leg and single anchor minimize seabed coverage
- Gravity/concrete anchor is cost effective and applicable for all seabed soil conditions

