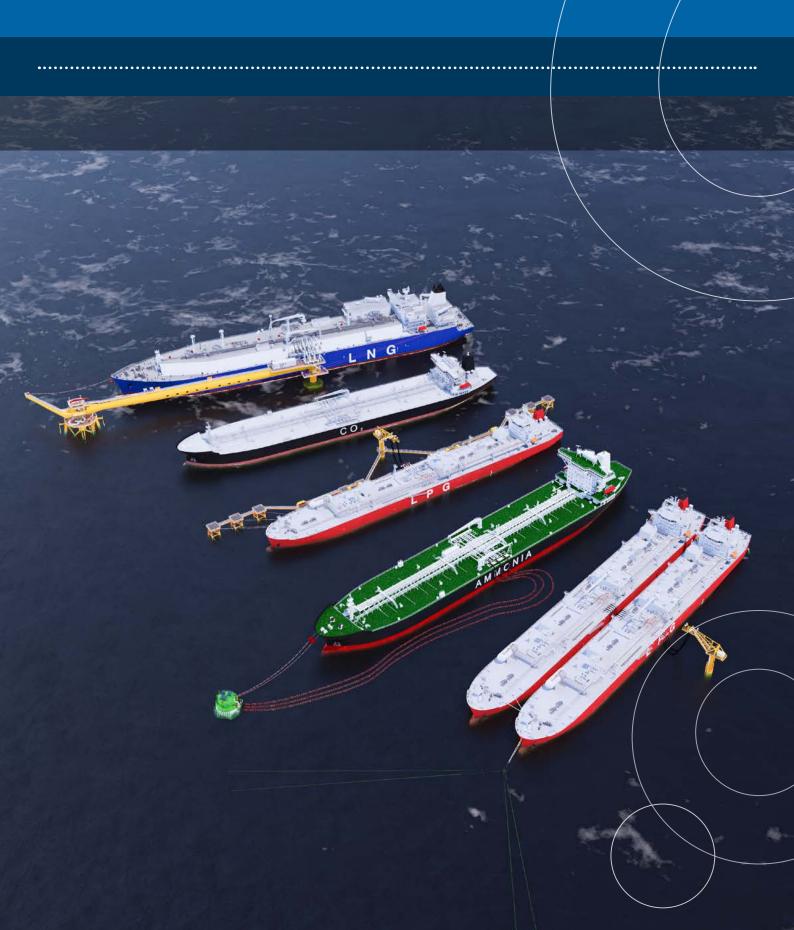
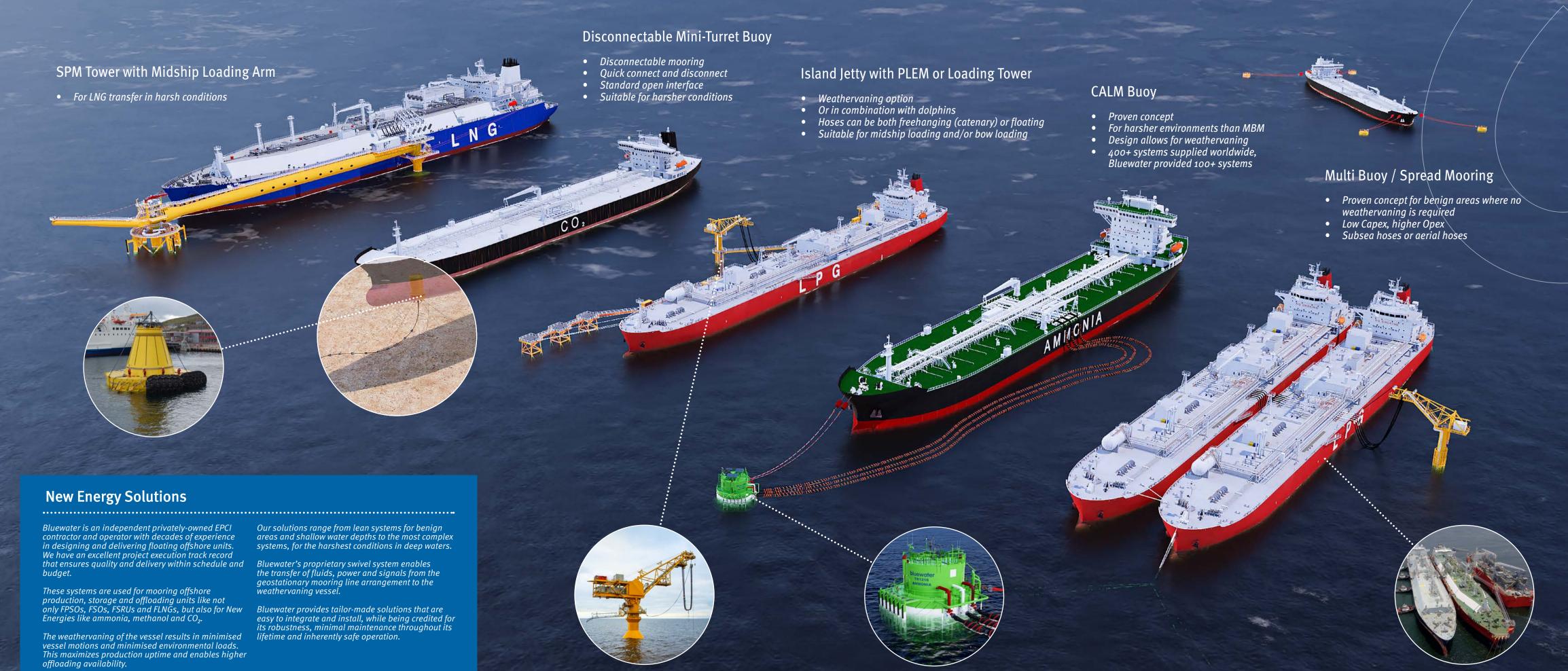
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New Energy Solutions

Offshore Marine Terminals & Floating Storage Units



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Bluewater Benefits



Efficient Project Execution

- Full EPCI contractor, excellent project management to ensure quality, schedule and budget;
- Open culture, flat organisation and short communication lines; around 200 engineers in one office location, easy to contact, always consulting with customers:
- Reliable and predictable, focussed on bespoke cost-effective project solutions for your field and location;
- As FPSO fleet owner and operator we understand our customers' need to operate to the highest HSEQ standards in the offshore industry;
- Our in-house developed FPSO 'safety case' DNA is an integral part of our project execution and our TMS design philosophy;
- Excellent track record in safety and reliability; with products that stood the test of time in the most challenging and harshest offshore locations all over the world:
- Dedicated supply chain for equipment providers and fabrication yards based on decades of track record and long-term relationships.



Excellence in Technology

- In-house technology and engineering for all critical components;
- Designs suitable for all conditions worldwide;
- Compact slender turret design and robust dual bearing system with efficient load introduction into the hull, requiring minimal maintenance, resulting in lower weight and lower overall cost;
- Proprietary modular swivel design with in-house testing facilities;
- Experience with strict regulatory regimes and harsh environmental conditions;
- Condition-based maintenance of mooring, bearing, swivel or structural items is available;
- Monitoring with safe operation and maintenance in mind, using our operational experience.



Robust Mooring Systems

- Fully passive system, with unrestricted weathervaning capabilities;
- Full design optimization towards project-specific requirements, using field-proven materials (chain, steel wire rope and polyester);
- Both permanent or disconnectable systems can be provided, to suit field-specific and/or operational requirements;
- Proven mooring line connector design, if required with double-articulated arrangements and exchangeable during field life; retractable chain stoppers can be provided;
- Both catenary and semi-taut moorings are available;
- Various options for re-tensioning mooring lines can be provided if needed; in the turret, in the line or at the seabed;
- Underwater components maintenance-free.



Modular Swivel Stacks

- All process equipment is situated in naturally ventilated open areas to improve safety;
- Robust and proven designs for process, utilities and power/fibre-optic/control swivels;
- Project-specific arrangement based on standardized stackable and interchangeable swivel modules and passive (or active), double or triple sealing arrangements; option with spare seal containers;
- High voltage sliprings, for e.g. green power import;
- High pressure/high temperature process swivel modules;
- Swivels modules available for import/export of 'new fluids', e.g. NH₃, MeOH, compressed H₂, CO₂;
- HP utility swivel modules and multicore (fibre-optic) control sliprings.

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References





- Buoy Terminal Systems

