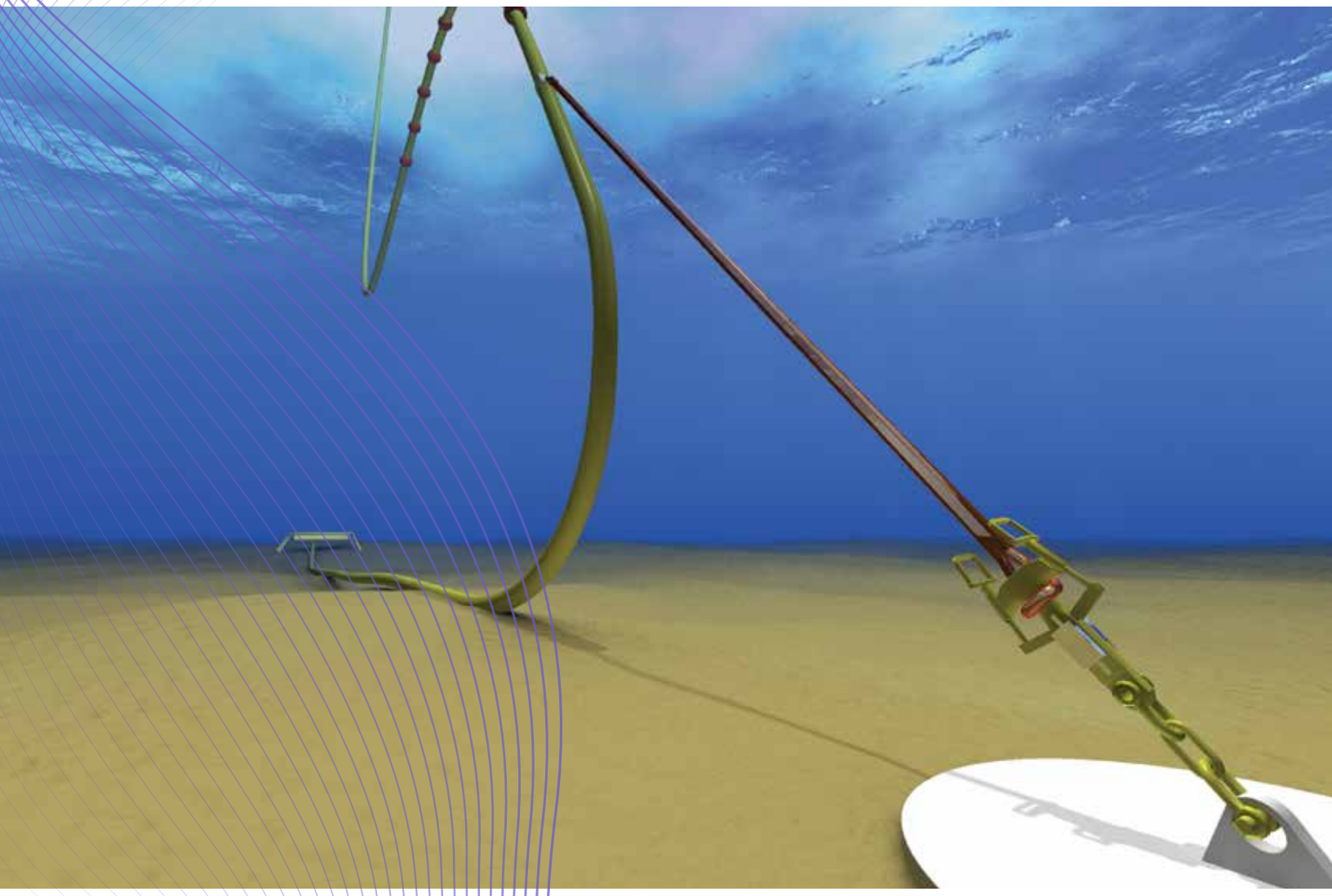
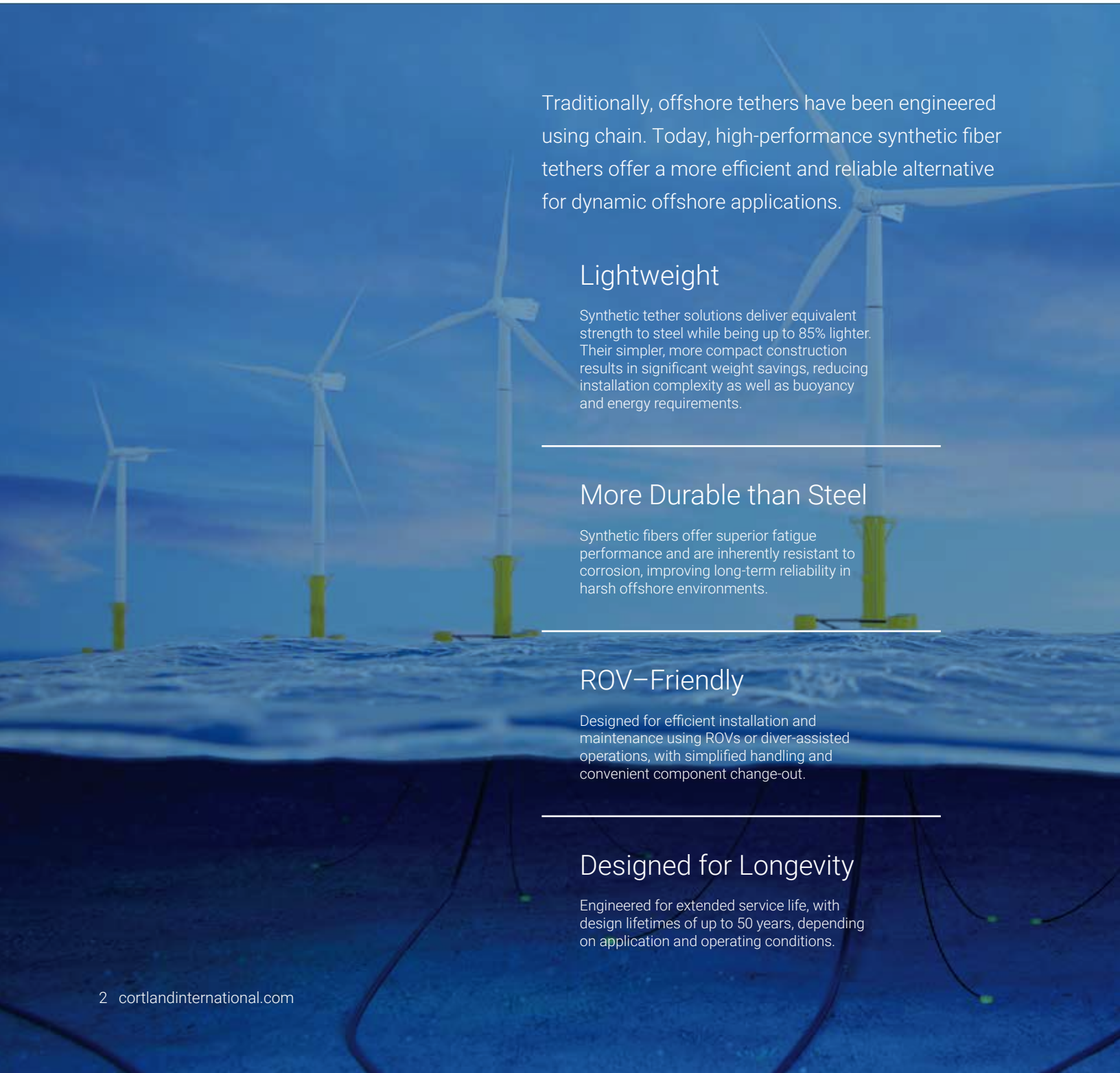
TETHER SOLUTIONS



CORTLAND INTERNATIONAL™

Synthetic Fiber Tether Solutions



Traditionally, offshore tethers have been engineered using chain. Today, high-performance synthetic fiber tethers offer a more efficient and reliable alternative for dynamic offshore applications.

Lightweight

Synthetic tether solutions deliver equivalent strength to steel while being up to 85% lighter. Their simpler, more compact construction results in significant weight savings, reducing installation complexity as well as buoyancy and energy requirements.

More Durable than Steel

Synthetic fibers offer superior fatigue performance and are inherently resistant to corrosion, improving long-term reliability in harsh offshore environments.

ROV–Friendly

Designed for efficient installation and maintenance using ROVs or diver-assisted operations, with simplified handling and convenient component change-out.

Designed for Longevity

Engineered for extended service life, with design lifetimes of up to 50 years, depending on application and operating conditions.

As offshore wind projects move into deeper waters—often several hundred meters—and into areas with more complex seabed geology, turbine installation and station keeping become increasingly challenging. Floating wind systems are exposed to complex, highly dynamic loading and damping conditions, with environmental forces that can change rapidly.

Where floating wind buoyancy and mooring systems are required, Cortland brings decades of experience delivering fully integrated surface and subsurface tether solutions. Our subsea tethers have a proven track record in demanding applications, including the mooring of flexible risers, umbilicals, and Mid Water Arch (MWA) systems.

Cortland synthetic tethers are engineered to support critical floating wind applications, including:

- Anchoring of dynamic power cables and inter array cables
- Support for mooring line buoyancy elements

Not all high-performance synthetic tether solutions are designed or manufactured alike. Differences in raw materials, construction methods, twist, braid architecture, and protective coatings have a significant impact on long-term performance. Cortland leads through innovation in fiber selection and tether design, delivering optimized strength-to-weight performance tailored to dynamic offshore environments.

All Cortland tether solutions are supported by extensive testing programs and in-house engineering expertise. Selantic® tethers comply with key international standards and are fully traceable, with comprehensive production process control documentation provided as standard.

What can we do for you?

Whatever your offshore challenge, Cortland welcomes the opportunity to help solve it.

Contact us at contact@cortlandinternational.com for an initial discussion or visit cortlandinternational.com.

Anacortes, WA – USA

Houston, TX – USA

Vadodara-Gujarat – India

Indore-M.P Unit – India

Masat-Silvassa Unit – India

Mumbai – India

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