

## Press release

### **Rosenxt ahead of the National Maritime Conference: Subsea Data as the Missing Link in the Maritime Energy Transition**

**Wietmarschen-Lohne/ Emden – April 27, 2026.** As the National Maritime Conference convenes in Emden this week, offshore energy, safety, and critical infrastructure are at the center of discussions. With the ongoing expansion of maritime energy systems, one topic is gaining increasing attention: the availability of reliable subsea data.

Rosenxt is a technology-driven advanced service company based in Wietmarschen-Lohne, Lower Saxony. The company develops and deploys cutting-edge technologies to deliver data-driven services for demanding applications in harsh environments – particularly in maritime and subsea settings. Its focus is on solutions for condition assessment, integrity, and monitoring of critical infrastructure. To achieve this, Rosenxt combines sensor technology, autonomous systems, robotics, and engineering expertise to collect data in areas that are difficult for humans to access, high-risk, or economically challenging.

“With the global expansion of offshore wind, subsea pipelines, and new infrastructure such as CO<sub>2</sub> transport and storage, complexity in the subsea sector is increasing significantly,” says Dr. Gunnar Brink, Head of Global Market Strategy at Rosenxt. “At the same time, there is often a lack of transparency regarding the actual condition of these systems throughout their lifecycle. This is exactly where we come in – by generating data and transforming it into reliable decision-making insights.”

#### **Data, systems, and component solutions for secure maritime infrastructure**

In recent years, Rosenxt has systematically expanded its subsea capabilities. These include autonomous underwater vehicles (AUVs), maritime robotics, and advanced seismic measurement and monitoring systems. They enable the continuous collection and analysis of condition data along pipelines, cables, and marine surface structures – independent of weather windows and with reduced personnel requirements offshore.

At the same time, it is becoming clear that the integrity of critical offshore infrastructure depends not only on data quality, but also on the design of key components. Rosenxt therefore also develops dedicated component solutions for offshore applications. One example is the scalable Xelcor connection system for offshore wind foundations, designed for all relevant offshore zones,

ensuring long-term structural integrity, simplifying installation, and reducing maintenance requirements. Rosenxt's approach integrates these technologies into comprehensive service concepts – from data acquisition via autonomous systems to analysis and engineering assessment. The goal is to transform fragmented information into a consistent understanding of asset conditions.

“Reliable subsea data is becoming a decisive factor for safe, efficient, and sustainable maritime infrastructure,” says Joe Tidball, Venture Manager Subsea Structures at Rosenxt. “We see ourselves as a partner to operators, engineering firms, and authorities, making this data accessible and translating it into integrated integrity strategies.”

The discussions at the National Maritime Conference highlight the growing demand on maritime energy systems. Rosenxt contributes to advancing this infrastructure through technology-driven services and targeted component developments – helping to improve safety, efficiency, and transparency in the offshore sector.

### **About Rosenxt Group**

Rosenxt is a forward-thinking technology group. Launched in 2023 by Hermann Rosen, the founder of the ROSEN Group, the company builds on decades of engineering excellence. As a privately owned global partner with more than 650 employees worldwide, Rosenxt continues to focus on developing cutting-edge technologies and has broad expertise in sensor technology, autonomous robotics, physical AI, and advanced materials. The company explores and develops highly innovative products and advanced technological services for markets in harsh environments – the underwater sector, industrial production, renewable energy, and integrity of assets in water and energy supply. The headquarters of the Rosenxt Group is located in Switzerland. For more information, please visit [www.rosen-nxt.com](http://www.rosen-nxt.com).

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