

## NKT launches new monitoring solution to safeguard cables

**NKT introduces an integrated cable monitoring platform designed to support continuous operation of on- and offshore power cables by proactively identifying and mitigating potential threats, including fishing accidents and deliberate damage.**

NKT is launching a new cable monitoring solution, a platform that integrates multiple sensors and combines technologies to provide a comprehensive overview of power cable conditions, aiming to make power cable grids more reliable.

The platform combines data from various sensors and technologies, such as vessel location, acoustic sensing around the cable, depth of burial of the cable under the seabed, and conductor temperature. By integrating and analysing this data together, the platform can identify suspicious activities, such as vessels passing slowly, fishing equipment or anchors being pulled near the cable, and other risks that could lead to cable damage. When one or more parameters exceed predefined thresholds, the platform triggers an alert helping those monitoring the cable to take potential remediation actions and strengthen the grid's resilience.

- Our new cable monitoring platform represents a significant advancement in ensuring the reliability and safety of power cables. By integrating multiple sensors into a single platform, we can provide situational awareness and proactive monitoring, which is crucial for maintaining up-time and preventing damage, says Stefan Persson, Director, Cable Monitoring Solutions, Service & Installation at NKT.

### Root cause analysis support

If a failure of critical infrastructure occurs, knowledge about the cause of the incident can be of great importance for the power cable owner as well as public authorities.

- By gathering alarm data, including vessel movements and acoustic data, the system can support the root cause analysis of the damage. In the short run, it can pinpoint potential responsible parties, and in the long run, it can help improve situational awareness around the cable, says Stefan Persson.

### Preparedness is key for securing continuous operation of power cables

The platform includes features that provide cable owners with detailed information about how the cable is performing as well as documentation, information from marine survey inspections, current stockpiling status of spare parts, and notifications for replacing parts nearing expiry. This proactive approach helps in identifying focus areas to ensure the cable remains operational and improves the overall level of preparedness and the ability to take preventive measures.

- Our solution enhances the ability to monitor and safeguard power cables but also helps cable owners prepare for and mitigate potential failures. Reducing outage times for a cable includes readiness in case a critical situation occurs. On a practical level, it can be crucial that the cable owner has access to relevant spare parts if a cable is damaged, explains Stefan Persson.

### **About the cable monitoring platform**

NKT's cable monitoring solution is set to modernise the way power cables are managed, offering safeguarding and increasing reliability. The system combines and creates alerts based on multiple data points, including:

- Distributed Acoustic Sensing (DAS)
- Distributed Temperature Sensing (DTS)
- Automatic Identification System (AIS)
- Depth of Burial (DoB)

Designed for both on- and offshore cables with fibre-optics, the platform leverages the fibre-optic cable within the power cable as well as vessel positioning technology to gather and analyse data effectively. This ensures that the monitoring system is robust and capable of providing accurate and timely information.

For more information about the platform and its capabilities, please visit [NKT's website](#).

### **Picture information**

The monitoring visual is for illustrative purposes only and does not represent the actual solution.

### **About NKT**

NKT connects a greener world with high-quality power cable technology and takes centre stage as the world moves towards green energy. NKT designs, manufactures and installs low-, medium- and high-voltage power cable solutions enabling sustainable energy transmission. Since 1891, NKT has innovated the power cable technology building the infrastructure for the first light bulbs to the megawatts created by renewable energy today. NKT is headquartered in Denmark and employs 6,000 people. NKT is listed on Nasdaq Copenhagen and realised a revenue of EUR 3.3 billion in 2024. NKT - We connect a greener world. [www.NKT.com](http://www.NKT.com).

### **Contact**

Lene Christoffersen, Communications Partner  
+45 2337 2105 / [lene.christoffersen@nkt.com](mailto:lene.christoffersen@nkt.com)