GNSS Interference at Sea

Publieke samenvatting / Public summary

Aanleiding

Offshore wind vessels depend on satellite-based positioning (GNSS) for safe and precise operations. In the Baltic Sea, increasing GNSS jamming and spoofing, mainly linked to regional military activity, now threatens the reliability of these systems, leading to safety risks, installation errors, and costly delays.

Doelstelling

By reducing uncertainty and downtime, the project directly supports the TKI Offshore Energy aim of cost reduction and optimisation and strengthen the Dutch knowledge position in resilient offshore operations with strong international relevance.

Korte omschrijving

The GIAS project brings together Dutch research institutes and industry partners to develop a shared understanding of these risks and to identify practical alternative positioning methods that can keep operations safe when GNSS is disrupted. The project will map operational vulnerabilities, assess complementary technologies, and create common guidance for decision-making under GNSS interference.

Resultaat

Solutions to jamming and spoofing for wind energy related offshore activities strengthen the competitiveness of the Dutch offshore sector and reduces risks in accelerating the implementation of offshore wind power.

Projectinformatie / Project information

Projectnummer / Project number
TKITOETKI_WOZ_2516_ECN_GIAS
Subsidiebedrag / Grant amount
€ 64.000,00

Algemene informatie / General information

Penvoerder / Secretariat
TNO

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