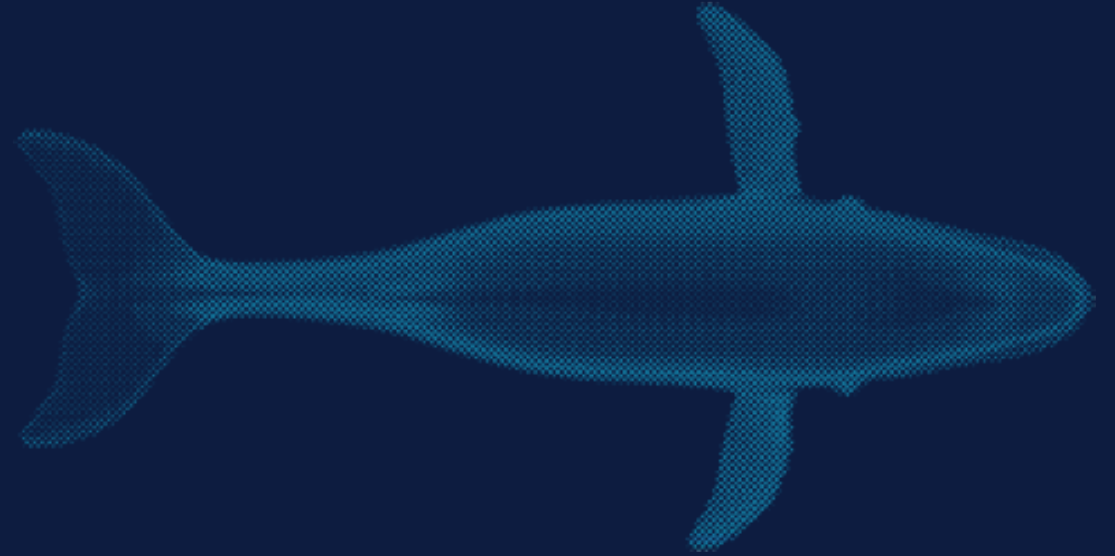




Marine Construction

See what lies ahead. Protect what lives below.™

MARINE CONSTRUCTION · EXCLUSION ZONE MONITORING · REGULATORY SUSTAINABILITY



01 DETECT

Thermal cameras scan the exclusion zone 24/7 — day, night, and in any conditions.



02 ALERT

Verified alerts reach your crew in seconds — with near-zero false positives.



03 AVOID

Halt pile driving or operations before a whale enters the zone — protecting wildlife and your permit.

Protecting Marine Mammals During Construction

● Automated Exclusion Zone Monitoring

WhaleSpotter continuously scans your marine exclusion zone with stabilized thermal infrared cameras up to 7 km out — far beyond what any visual observer can achieve. Detection operates 24/7 including nights, in haze, and in rough sea states common at construction sites.

● Instant Verified Alerts to Operations

When a marine mammal is detected near your work zone, a credentialed expert verifies the sighting within seconds and delivers a clear alert to your crew, HSE officer, or operations control room. Near-zero false positives mean you only stop when you need to.

● Automated Soft-Start & Operations Logging

WhaleSpotter integrates with pile driving and seismic operations, triggering automated soft-start protocols and logging every detection event. Regulatory-ready reports are generated automatically for permit compliance with JNCC, NOAA, and other agencies.

● Species Identification & Scientific Data

Expert spotters identify species, group size, and behavior in real time. Data is timestamped and exportable for Environmental Impact Assessments, regulator submissions, and third-party auditors — supporting your social license to operate.

IMPACT BY THE NUMBERS

7 km

Exclusion zone detection range

>90%

Reduction in vessel strike risk

~0

False positive alerts

24/7

Continuous monitoring

300K+

Marine mammal detections



One of the technologies utilized in the subsea cable installation was WhaleSpotter, a detection device that uses advanced AI and thermal imaging technology to spot whales within a certain distance around the ship. Traditionally, whale detection would have to be conducted by a person on a project such as this, limiting work to daylight hours. Using WhaleSpotter, the project was able to run 24 hours a day, significantly reducing the installation time for the subsea cable.

Built for Marine Construction Operations

01

Regulatory Sustainability

WhaleSpotter generates automated, timestamped event logs and exportable reports accepted by JNCC, NOAA, and equivalent regulators — eliminating manual MMO paperwork and audit risk.



02

Offshore Wind & Energy

From foundation installation to cable laying, WhaleSpotter monitors your entire operational footprint. Automated soft-start integration means pile driving halts instantly when a whale is detected.



03

Dredging & Seismic

High-noise marine operations carry strict marine mammal protection requirements. WhaleSpotter's real-time, expert-verified alerts give operations managers the confidence to work continuously and compliantly.



04

Bridge & Infrastructure

Coastal and near-shore construction projects operating in protected species habitats rely on WhaleSpotter to maintain exclusion zone integrity without the cost and limitations of boat-based observers.

