

Smart Acoustic Monitoring for Ocean Life & Noise Impact

NAMi is an autonomous acoustic float designed for long-term monitoring of underwater soundscapes. Outfitted with a custom hydrophone, it listens for whale and marine mammal activity, quantifies ocean noise pollution, and supports environmental assessments in remote or sensitive regions.

Whether stationed near offshore energy platforms or profiling migration corridors, NAMi provides high-resolution acoustic data to support marine protection, compliance, and research. Operating at depths of up to 1000 meters for over a year, it transmits key insights via Iridium Certus® 100 from anywhere in the world.

Ideal for use in marine mammal detection, shipping lane noise mapping, habitat monitoring, and offshore impact studies, NAMi is built for scientists, regulators, and developers seeking reliable, scalable ocean intelligence.

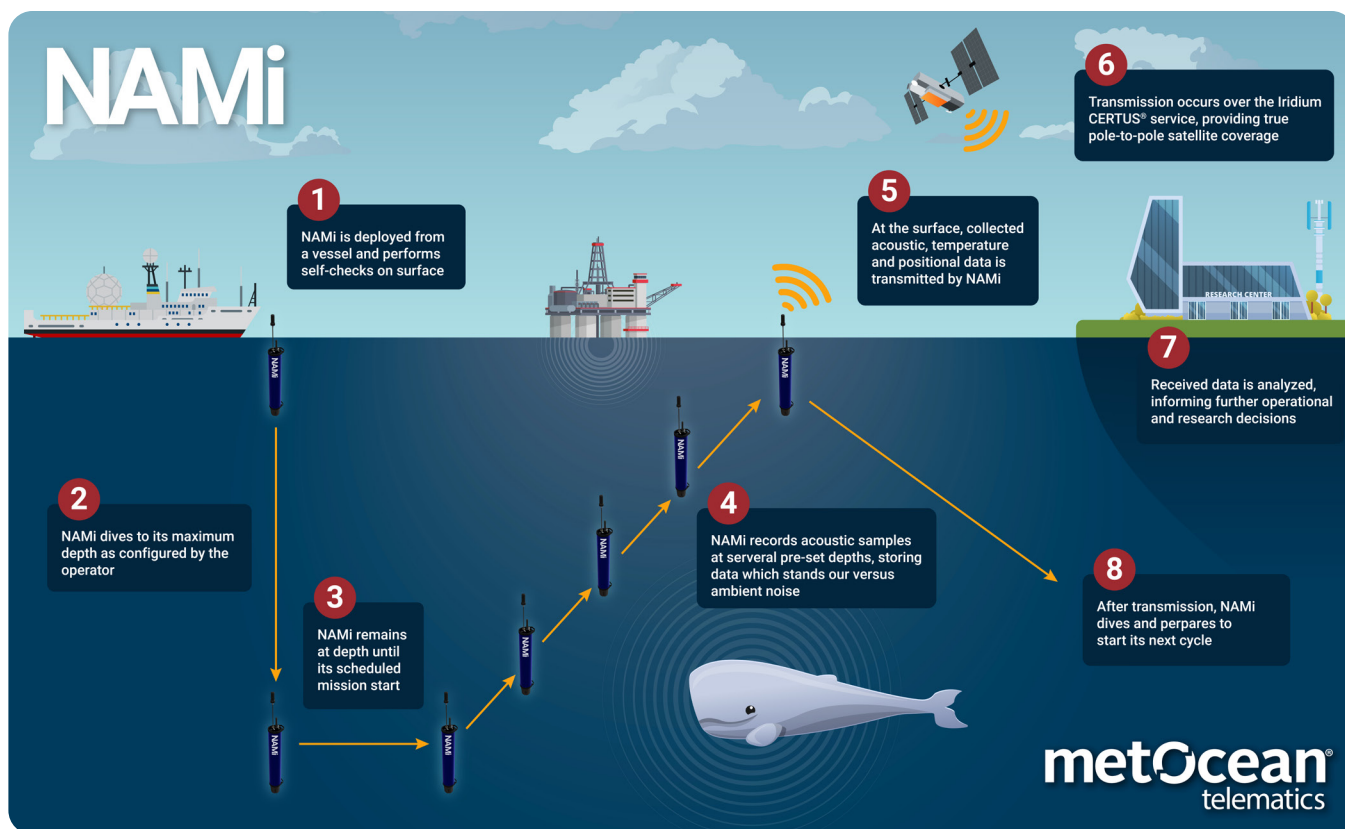
- Custom hydrophone for marine life & ocean noise detection
- Real-time Iridium Certus® 100 satellite data transmission
- Flexible mission profiles: profiling or fixed-depth
- Long-endurance deployment—12+ months
- Operates at depths up to 1000 m
- Built for remote or regulated marine zones
- Evolved from MetOcean's PABLO platform with enhanced capability



NAMi

Empowering Data Connectivity, Everywhere.

OPERATIONAL FEATURES		
Maximum depth: 1000 m (3,281')	Deployment: Handles for slip-rope deployment	
Highly configurable operational life, based on selected acoustic windows and required depths	Activation Method: Removable magnet	
Battery: 40 x Saft LSH20 lithium battery	Automatic scuttling at end of useful life or GPS recovery	
36 month shelf life		
MECHANICAL		
Hull material: Hard anodized aluminum		
Height: 1692 mm (66.6") with antenna, 1240 mm (48.8") without antenna		
Mass: 25 kg (55 lb)		
Hydraulic buoyancy control		
CONNECTIVITY		
Iridium Certus 100 satellite connectivity – up to 88 Kbps	Iridium 9770 midband transceiver	
SENSORS		
Hydrophone	Custom hydrophone element developed in Nova Scotia	Sampling rate: 6 KHz
	Frequency band: 10 Hz – 2.4 KHz	Detection radius: 9.26 km (5 NM)
Temperature Sensor	Ultra low power depth sensor - Canadian made	Pressure Sensor
	+/- 0.002 °C (0.0036 °F) over -5 °C (23 °F) to 35 °C (95 °F)	
	Resolution 0.00005 °C (0.00009 °F)	
		Ultra low power depth sensor - Canadian made
		2000 m (6,561.7') depth rating
		+/- 1 m (3.3') accuracy
		Resolution 20 mm (0.79")



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