



MASTCHAIN

MastChain Company Overview

Spanning 450,000km² of coastline across 60+ countries, MastChain is the first DePIN for maritime data, collecting 35 million traceable data points a day.

Every second, large commercial ships across the world broadcast their position via radio signals called AIS. MastChain is a global network of independent contributors who receive those signals using dedicated hardware. Each station carries a unique cryptographic identity, so every data point can be traced back to the exact device that captured it. The result is maritime tracking data with full provenance, from signal to shore.

Between 2023 and 2025, three acquisitions collapsed most of the world's AIS data infrastructure into two conglomerates. In the same window, AIS spoofing hit record levels: over 200 documented incidents in a single month, 1,900 vessels operating in the dark fleet by late 2025. The industry that tracks ships now has fewer independent data sources. MastChain was built for this moment: a network where every data point carries cryptographic proof of where, when, and by whom it was collected.

Each station in the network holds a registered identity on the blockchain. When a station receives a vessel signal, the data is timestamped, geotagged, and cryptographically signed before it enters the pipeline. The result is an unbroken chain of custody from the moment a signal is captured to the moment a customer receives it. In an industry where spoofed and manipulated AIS data is now a daily operational problem, MastChain doesn't ask buyers to trust the data. It lets them verify it.

Dr. Owen Taylor, CEO and Co-Founder Owen holds a doctorate in aerospace composite engineering from the University of Bristol. Before MastChain, he worked in emissions certification at Automobili Lamborghini and maritime engine manufacturer MAN, giving him firsthand experience with how the shipping industry handles data and compliance.

Daniele Brazzolotto, CTO and Co-Founder Daniele is a production engineering leader with over a decade building software and AI systems at scale, most recently as Senior Engineering Manager at Capture One. He holds an MSc from DTU in Copenhagen.

The two met while exploring startup ideas in Copenhagen. Both are keen sailors, and the more they looked at the maritime data market, the clearer the gap became: nobody could verify the data the entire industry ran on. MastChain started there.

"We're building a maritime data network where the people who collect the data own the infrastructure and share in the revenue it earns. That's DePIN in practice, and the future of how physical infrastructure gets built." **Dr. Owen Taylor**

MastNode, the network's dedicated hardware station, launches in June 2026. It replaces the DIY setups the early network ran on with a purpose-built device for AIS data collection. In field testing, MastNode stations detected 40-45% more unique vessels than self-built alternatives.

Mainnet is targeted for Q1/Q2 2027, moving the network to full on-chain data verification and activating contributor rewards at scale.

About MastChain

MastChain is the world's first decentralised AIS vessel tracking network, collecting ship positioning data across 60+ countries through a contributor-run infrastructure of independent stations. Every data point is cryptographically verified and traceable to its source. MastChain is built and maintained by Worldwide AIS Network ApS, the core development company, founded in Copenhagen in 2025.

Website: mastchain.io

Press contact: press@mastchain.io