



Increasing safety at sea by leveraging maritime communication

The Project

In the vast expanse of the open sea, safety is paramount. In times of distress, the only lifeline is often a noisy VHF device, coupled with traditional pen and paper. But what if there was a smarter way?

Enter marFM® – our cutting-edge solution that revolutionizes maritime radio communication. It goes beyond the basics, providing crucial information on WHO transmitted WHAT, WHEN, and WHERE. This innovation is a game-changer for both onboard officers and land-based coordination centers, reducing complexity and elevating situational awareness.

Our journey began with esteemed pilot customers, DGzRS and Fintraffic VTS (Vessel Traffic Service). Now, we're set to make waves in the European search & rescue and VTS sector. But our ambitions don't stop there.

Next on our horizon: system integrators, autonomous shipping, offshore, oil & gas, aviation, and many more. Join us as we transform the way the world communicates at sea. Learn more on our website marfm.ai

The Team

Location: Fraunhofer CML, Hamburg

Members: Dr. Ole John (Head of Department), Maximilian Reimann (Team Leader), Emin Nakilcioglu (Research Associate), Steffen Klöver (Research Associate)

AHEAD Infos

Batch: May 2022

Phase: 2

Track: Licensing

The Business Model

Unique Selling Proposition: Empowering precision through advanced state-of-the-art speech recognition, sender localization and identification algorithms

Unfair Advantage: Worldwide patent protection & Unique database of maritime radio communication

Revenue Model: License fees, customizing and support

Venture Readiness Level



Technology Readiness Level



The Side Facts

Customer Focus: B2B

Searching For: Customers, potential licensees: vendors of maritime communication systems & end users of public and private domain

Industry Tags: Software & services, technology hardware & equipment, telecommunications, energy, oil & gas

Technology Tags: Artificial intelligence, deep learning, autonomous mobility, sensors, natural language processing, machine learning