WHITEPAPER

Executive Summary: Maritime Communication
(Created: 11/2025)

Trends, Challenges & Best-Fit Solutions for Maritime Communication Settings

The Maritime Industry is Facing Several Structural Challenges:
- Growing cyber threats and geopolitical upheaval require resilient communication at sea
- There is a significant digital deficit in maritime communications infrastructure
- Increased demand for certified all-in-one communication platforms

Latest Trends on High Seas:
- Satellite-based communication for **global connectivity**
- Hybrid solutions with 5G / 6G and private networks increase reliability and bandwidth
- IoT integration enables real-time data transmission, remote maintenance and autonomous systems
- Certifications such as **DNV, NIS2 and GMDSS** reinforce resilience and trust

innovaphone for the Maritime Industry:
- The **modular platform** innovaphone myApps provides tools for communication, security, administration and crew welfare
- The **DNV system approval TAA00003DD** confirms suitability of the innovaphone PBX with myApps for use in maritime settings
- New **IP17x intercoms** designed to specifically meet the high requirements of harsh maritime surroundings
- On premises, cloud or hybrid operation with seamless failover and redundancy
- Off-grid functionality provides **real-time communication** without external connection
- IoT integration enables intelligent interconnectivity and process optimization
- Durable, re-designable hardware and repair services down to the component level ensure economic efficiency

The innovaphone PBX with myApps provides a certified, self-sufficient and high-availability communication system for maritime use. Even in the event of internet or satellite connection failure, the system ensures reliable and secure communication on board – a crucial factor for smooth operation and safety at sea.