



MarTRX

An integrated maritime
command and control solution

Built around the operator's needs

Integrated and networked workflows

Flexible and modular architecture

Maritime

FREQUENTIS
FOR A SAFER WORLD

The complexity challenge for operators

Operators in maritime control centers manage a diverse array of legacy command and control systems that rarely benefit from a consistent user interface or a standardized workflow. In fact, even relatively simple activities may require watchstanders to know and execute a complex sequence of processes via different interfaces and processes, from pen-and-paper to phone calls to common operating pictures. This slows response time, exacerbates human error, and increases the time required to train new operators. Managing IT integration and security across all systems is challenging and functional upgrades are often slow and costly.

Introducing MarTRX

Frequentis MarTRX is an integrated solution for maritime command centers, covering Search & Rescue (SAR), Vessel Traffic Services (VTS) and Coastal Surveillance Systems (CSS).

MarTRX offers a unified, intuitive user interface complete with optimized workflows that make it easy for operators to achieve situational awareness, handle ongoing events, streamline decision-making, and adhere to organizational rules and best practices.

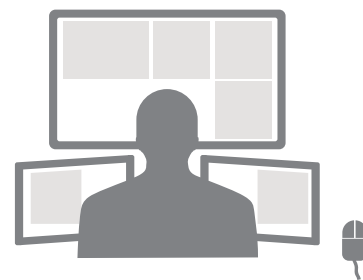
MarTRX records every radio call and mouse click, creating standardized case files for later analysis.

User-centric, intuitive working environment



Focus on the tools

Watchstanders can customize the interface and workflows to suit their individual needs, while command centers can tailor the entire solution to their requirements. Built-in communication technology provides fully integrated support for seamless

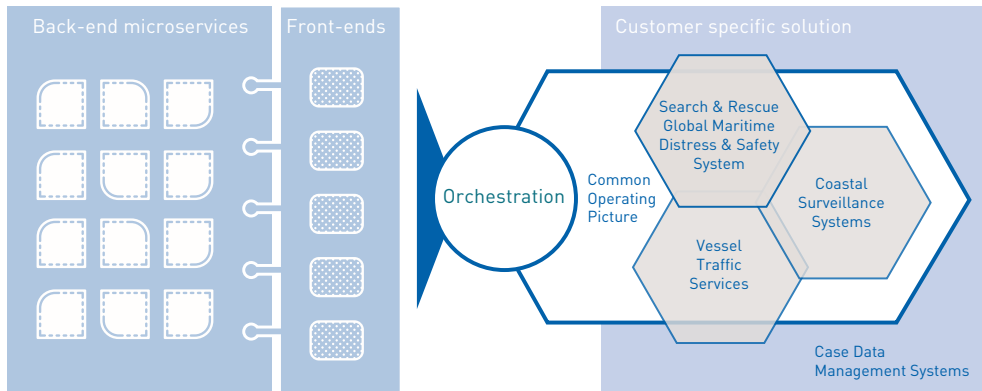


Focus on the mission

multi-center operations by ensuring that operators can easily interact with local and remote co-workers directly from anywhere. The capability for centralization or decentralization increases mission resiliency during surge operations.

Modular system architecture for diverse mission sets

MarTRX offers a fully extensible, state-of-the-art platform based on shared microservices. The flexible and open interface architecture ensures fast and easy adaptation to future mission requirements and full integration with both existing command center tools and new third-party software modules. Best of all, thin-client technology helps to keep total cost of ownership low.



Our MCS30201P integrated communication system is the core of the capability, enabling watchstanders to interact with cellular, VHF-FM, HF, UHF.

Case and Incident Management boasts a highly graphical interface to support operators in following the appropriate workflows.

Maritime Directory provides detailed information about vessels, aircraft, organizations, persons, etc.

Data-Driven Alerts and Warnings attract the attention of the operator.

All graphical data is ergonomically overlaid on the **Sea Chart Module**, creating the **Tactical Situation Display** for complete awareness.

Event Monitoring and Statistics supports fast and effective decision-making by giving controllers system-wide information.

MarTRX can be configured to include comprehensive **Training and Simulation** functionality.

Technologies for **GMDSS** include all relevant services such as Digital Selective Calling, NAVTEX, SafetyNET, CMB and more.

Virtual Command Center capabilities handling uses modern user management technologies for hot-desking and role-based system access.

Sensor Integration Management enables practically any sensor or third-party application to be easily integrated.

Maritime domain awareness through **Multi-Sensor Fusion** combines information from sensors and external data sources.

Case Data Management records all voice and sensor data, system-processed information, user interactions and system status.

Integrated, flexible, built for operators

Designed from the ground up to meet real-life requirements in maritime command centers, MarTRX brings a number of benefits to maritime organizations. Its unique integration of full voice and data communication capabilities places all actionable knowledge at the operator's fingertips for collaborative, information-informed case management.

Flexible, reliable support for diverse missions and safety-critical workflows

With critical information and intuitive tools provided through a highly graphical interface, MarTRX helps operators focus on their primary duties in high-pressure situations. This helps them to prioritize tasks, avoid stress, and make high-quality decisions.

Thin-client terminals significantly reduce the cost per working position, while modern web technologies permit the deployment of standard networking components and greatly reduce the complexity of interfaces.

Adherence to industry standards and the use of commercial off-the-shelf hardware reduce the likelihood of vendor lock-in, eliminate obsolescence and reduce total cost of ownership.

MarTRX's agnostic, open-API approach to extending functionality extends the lifespan of the solution, reducing complexity and maintenance costs. It also protects today's investments by enabling seamless integration with existing technologies.

By giving operators a tailored set of information and tools, MarTRX unobtrusively supports fast and effective case and mission management. It offers the likely next steps without limiting what operators can do, optimizing workflow and user experience, while simultaneously diminishing training requirements.

Modularity facilitates ongoing expansion and adaptation to new requirements. It also permits extensive customization at low cost. Third-party applications can be rapidly and simply integrated via system APIs, facilitating multi-agency operations.

With MarTRX, maritime command centers can improve the effectiveness, efficiency, job satisfaction, and retention of operators while reducing cost and complexity for the organization as a whole to serve the ultimate goal: achieve maximum safety for lives at sea.

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