

# Marlin

## Vessel Tracking and Alerts (VTA)

### ENHANCE SAFETY AND SITUATIONAL AWARENESS

#### 24/7 REAL-TIME VISIBILITY AND CONTROL IN OFFSHORE OPERATIONS

##### CUSTOMER CHALLENGES

Offshore operations take place in high-risk environments with many challenges impeding safety and efficiency.

- Ever-changing weather conditions
- Shifting operational zones
- Congested offshore fields

Given these challenges, maintaining real-time visibility and control over vessel movements is critical to preventing collisions, safeguarding assets, and ensuring safe and efficient operations.

However, for monitoring to be effective, multiple data sources, including GPS, AIS, radar, sonar, and environmental sensors, must be integrated into a unified platform capable of providing timely alerts and high-quality insights to all project personnel.

##### MARLIN VTA

Marlin VTA provides a 24/7/365 common operational picture for offshore managers, vessel masters, marine safety professionals, and operations teams. It enables a secure, responsive, and efficient environment that protects critical offshore assets while promoting safe maritime operations.

With vessel collisions posing a serious risk, Marlin VTA equips teams with advanced tools to:

Marlin VTA can be deployed as a cloud-based or on-premises (on-prem) solution. The system is highly configurable and supports tailored monitoring parameters and geofenced zones to match changing operational needs and asset locations. It also maintains detailed event logs for auditing and incident review.

##### Key Benefits

- **Enhanced Safety:** Proactively identify potential risks and take action to protect personnel and vessels.
- **Business Excellence:** Can be the start of the conversation to improve your fleet behaviors.
- **Collaboration:** Breaking down the silos and providing a single source of truth.
- **Compliance:** Demonstrate compliance with regulatory and maritime regulations with accurate and verifiable records.



## Key Features

■ **Dynamic geofencing:** Marlin VTA provides a sophisticated dynamic geofencing feature that enables the creation, modification, and management of geofenced zones around offshore assets, such as FSOs, rigs, and other critical infrastructure. These geofenced zones serve as restricted or exclusion areas, tailored to the unique operational and security needs of each asset.

■ **Real-time alerts:** Marlin VTSA offers a robust and reliable alert system that instantly notifies the relevant personnel when a vessel enters a geofenced zone without authorization. These alerts provide detailed information about the vessel, including its identity and current location, to facilitate immediate action. Configurable, external notifications, for example email or SMS, are produced to notify stakeholders of any rule breaches.

■ **Predictive Collision Alerts :** Customers can implement advanced predictive collision alert capabilities using CPA (Closest Point of Approach) and TCPA (Time to Closest Point of Approach) calculations. These alerts are configurable to minimize false alarms in congested areas.

■ **Configurability:** Our solution allows for easy configuration and updating of geofence zones by authorized personnel, and it can accommodate frequent changes in offshore asset locations and operational boundaries. The interface is user-friendly and supports quick adjustments to reflect the most current operational picture.

■ **Incident analysis:** Marlin VTA maintains comprehensive logs of all geofence breaches, including vessel details, time of entry, duration within the restricted zone, and the response initiated. These data support incident analysis, system refinement, and regulatory compliance reporting.

■ **Data Integration:** Marlin VTA is a sophisticated data integration platform that can aggregate and process diverse data streams. The solution can leverage both radar and AIS data without the need for manual radar target selection, minimizing the risk of human error. It is also scalable and can grow with the expansion of customers' activities. Our experts can help in the procurement and optimal siting of radar systems, ensuring optimal integration into the VTA system.

■ **Comprehensive Training and Support :** Sercel provides comprehensive training and ongoing support to ensure effective adoption and utilization of the VTA by the customer's staff, including radio room staff, logistics coordinators, and installation clusters.

■ **Security:** Marlin VTA meets stringent IT security standards and is ISO 27001 certified, ensuring your data remains protected.

