



# COASTAL MONITORING



**TIMEZERO**

EASY TO USE  
**QUICK TO IMPLEMENT**  
LOW MAINTENANCE  
COST

### **Main Features**

- ✓ Automatic targets acquisition and tracking (200 ARPA targets/ 5000 AIS targets).
- ✓ Sound and visual alarms management according to customizable rules.
- ✓ Camera integration with manual and automatic tracking.
- ✓ Record up to one month of data (radar, target, video, audio) with unlimited archiving.
- ✓ Display weather (real time and forecasts).

### **All these features allow our solution to answer multiple and different needs:**

- ✓ Detection of illegal marine activities (illegal fishing, piracy, terrorism, etc).
- ✓ Anti-collision system between vessels and/or platforms.
- ✓ Search and rescue operations.
- ✓ Optimization of port infrastructure.
- ✓ Protection of sensitive coastal sites.

### **Given the extent of needs covered by TZ Coastal Monitoring, potential customers can be the following:**

- ✓ **Oil platforms.**
- ✓ **Ports and harbors.**
- ✓ **Fish farms.**
- ✓ **Marine protected areas.**
- ✓ **Wind farms.**
- ✓ **Nuclear power plants.**
- ✓ **Bridges/Dam constructions.**
- ✓ **Military sites.**
- ✓ **Submarine cable areas.**

Do you have to manage an infrastructure with limited manpower and financial resources?

All this at the best value for your money?

**TZ Coastal Monitoring answers all these questions!**

## Sensors

# The essentials of maritime security



DRS XCLASS

## Furuno Radar

TZ Coastal Monitoring offers native and advanced compatibility with most of the newer Furuno radars on the market. Furuno Electric Company has gained an unrivaled reputation as a world leader in the industry. This is the result of technical excellence as well as a worldwide distribution and service network.



DRS NXT

TZ Coastal Monitoring is the only package that offers this outstanding integration with Furuno.

Up to 12 radars can be remotely merged, displayed and controlled from TZ Coastal Monitoring.



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## AIS

TZ Coastal Monitoring is compatible with all AIS receivers/ transducers. Receivers will only be able to display the targets on the chart when AIS transducers will offer the possibility to automatically send text messages to vessels entering protected areas.

## Cameras

TZ Coastal Monitoring offers native compatibility with AXIS Cameras, selected FLIR cameras and is also compatible with the Pelco-D and ONVIF standard protocols to control virtually any type of camera. Our fully automatic video target tracking allows to easily monitor all potential threats. Up to 12 cameras can be displayed and controlled from TZ Coastal Monitoring.

## VHF Recording

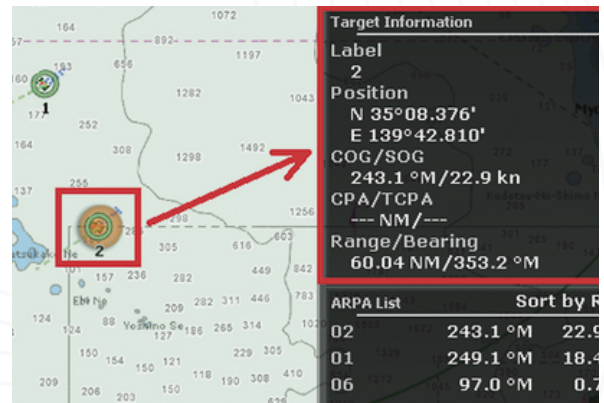
TZ Coastal Monitoring can be connected to 4 VHF radios which allow the monitoring of up to 4 channels at the same time. Our VHF integration allows advanced record and backup capabilities for VHF channels. The intuitive user interface offers a very easy way to go back in time and listen to previous VHF communications together with vessels, movements, radar pictures, and videos.

## Radio Direction Finder (RDF)

Compatibility with Rhotheta RT-300, RT-500M & RT-800 RDF: Display bearings from «Initial Reference position»; bearings from multiple stations can be sent and combined to a TZ CM Remote (via TZ Host). Automatic MOB detection via triangulation of Alarm Bearings on TZ CM Remote.

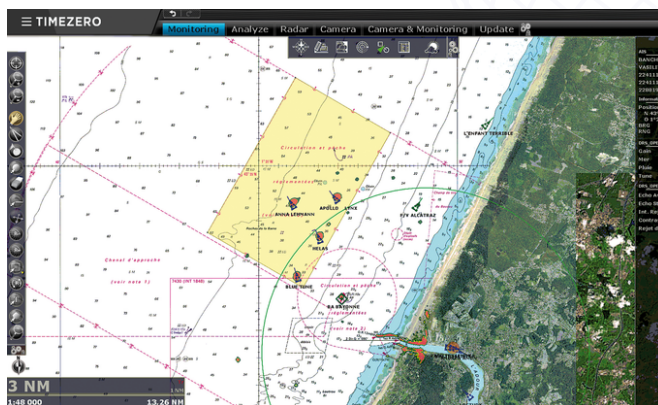
Nowadays, Automatic Identification Systems are the most common tool for marine identification and control. TZ Coastal Monitoring comes with the best AIS management available. With our extremely powerful technology, AIS targets can be set to specific colors according to the type of vessel it is. Targets can be classified automatically or manually, giving you ultraprecise information about the surrounding vessels.

## 🎯 AIS/ARPA Target Tracking



TZ Coastal Monitoring processes the raw radar echo data with its own proprietary high-resolution ARPA algorithm and post-processing filters to provide you with the best detection system. Virtually unlimited ARPA acquisition and exclusion areas can be set up in TZ Coastal Monitoring allowing the precise definition of areas to be monitored.

## 🔔 Zone Monitoring and Alarms



TZ Coastal Monitoring offers a full range of alarm customization for AIS and ARPA targets such as:

- Target entering an area
- Target exiting an area
- Change of speed of a target in an area
- CPA/TCPA risk collision in area

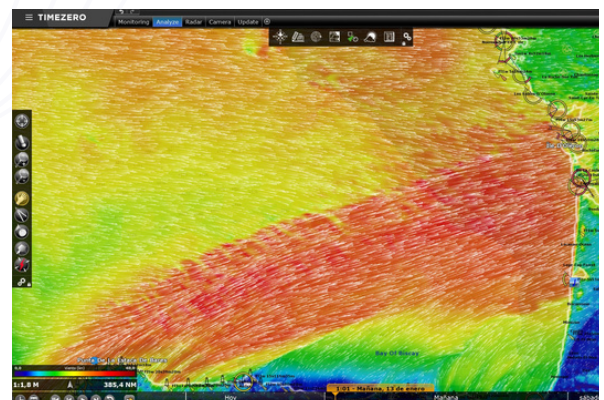
Notifications, sounds, sms, email and all kinds of alerts can be easily configured from within TZ Coastal Monitoring. You can even set TZ CM up to trigger other scripts on the PC or by connecting it to an external relay, thus easily expanding the functionality of your system.

When the elements get out of control, the sooner you know, the safer you are!

TZ Coastal Monitoring gives you free and unlimited access to weather forecasts worldwide. Reliable weather forecasts (up to 15 days) can be downloaded for free directly through the software.

In addition to the weather service, TZ Coastal Monitoring can also be connected to a real-time weather station.

## ☀️ Weather Forecast Service



THE FIRST TRUE TURNKEY SOLUTION  
FOR MARITIME SURVEILLANCE

# TZ COASTAL MONITORING



## Camera Management

TZ Coastal Monitoring integrates with various types of cameras (day or night) allowing the operator to see and control the camera directly from the software. In addition, TZ Coastal Monitoring can be set to automatically track targets (AIS or ARPA targets) with the camera.

## Record & Replay Function

TZ Coastal Monitoring can record and replay all input data such as radar echo, video, AIS, VHF, etc. This capability allows the user to go back in time to listen to old VHF conversations together with AIS movements on the chart.

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[www.coastalmonitoring.com](http://www.coastalmonitoring.com)

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