



THE COASTAL SURVEILLANCE SOFTWARE SOLUTION

The Coastal Surveillance Network solution is controlled by the back-end software solution which provides advanced features for the configuration, control, operation and visualization of the overall network. This software is installed on site on each node and in the remote command centre (C2).

Integrated Solution

Complete back-end solution for the management of the network nodes, the control of the installed devices and the visualization of sensor output.

Real-time Sensor Fusion

Surveillance Radar (CSR)
Imaging Radar (ISAR)
Electro-Optical Systems (EO)
Automatic Identification System (AIS)
Automatic Weather Station (AWS)
Close-Circuit TV (CCTV)

Real-time Situation Awareness

The solution offers the operators a user-friendly, complete and advanced network. The detected targets are locked and all related information permanently saved for future references.

Advanced Features

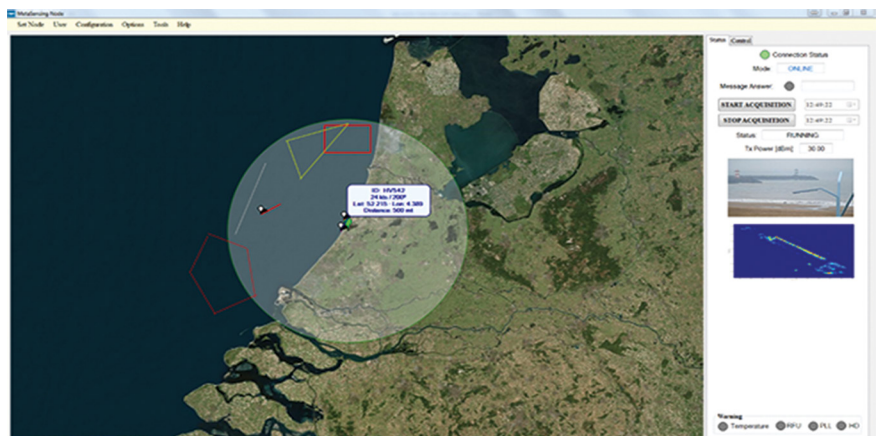
User-defined rules for geofencing, target behaviour, alerts/warnings, radar handovers, estimated time of arrival, targets and people blacklist and daily reporting.

Complete system telemetry

The solution provides real-time telemetry information about the health status of the various sensors and their components.

User Customization

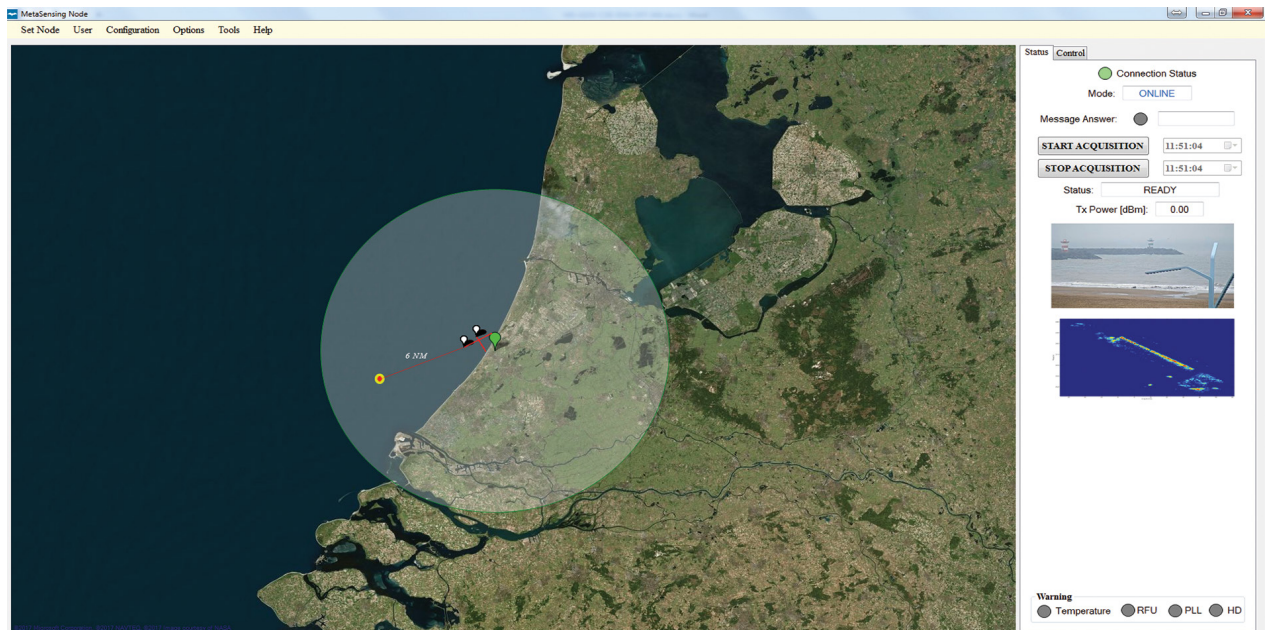
The solution can be customized to user requirements to be conformed with the Standard Operation Procedures.



Geofencing with multiple polygons for improved warning and alerts.

Track Prediction and ETA

The solution provides also a prediction of the route of the target based on the current heading of the target. Moreover, by selecting a point on the map, the distance to end-point is visualized and knowing the current speed of the target, the prediction can give the Estimated Time of Arrival at the user-selected point, based on the current speed and route.



The software solution has the following general features:

- User defined profiles
- Customized graphical features
- Modular and scalable design
- Remote access and control on every node and device
- Setup, Configuration & Control of radar, camera, AIS, imaging radar, weather station
- Camera Pan, zoom, rotate, default-view
- Main map display area with radar scan sector and camera indicator
- Pop up target information box with user defined details
- Install and name each device of the network (Easy name, IP address, port No.)
- Read/set position and rotation of each device (camera, radar, AIS)
- Data recording, storing and replay
- Automatic devices health diagnostics with intuitive LED
- Geofencing advanced capability
- Possibility to draw overlaying polygons for areas of interest
- User defined rule based tasks
- Alarm/Warning communication to outside application (email, SMS, ftp, webpage)
- Automatic Reporting feature about detected targets (daily)
- Replay of historical archived data
- Creation of a black/grey/white list of identified targets
- Analysis tool to play recorded/archived data

MetaSensing BV
Huygensstraat 44
2201DK Noordwijk
The Netherlands

+31 71 751 5960
info@metasensing.com
www.metasensing.com



©2017 MetaSensing. MetaSensing shall not be liable for any error contained herein or any damages arising out of or related to this document or the information contained therein, even if MetaSensing has been advised of the possibilities of such damages. This document is intended for informational and instructional purposes only.

MetaSensing reserves the rights to make changes in the specifications and other information contained in this document without prior notification.