



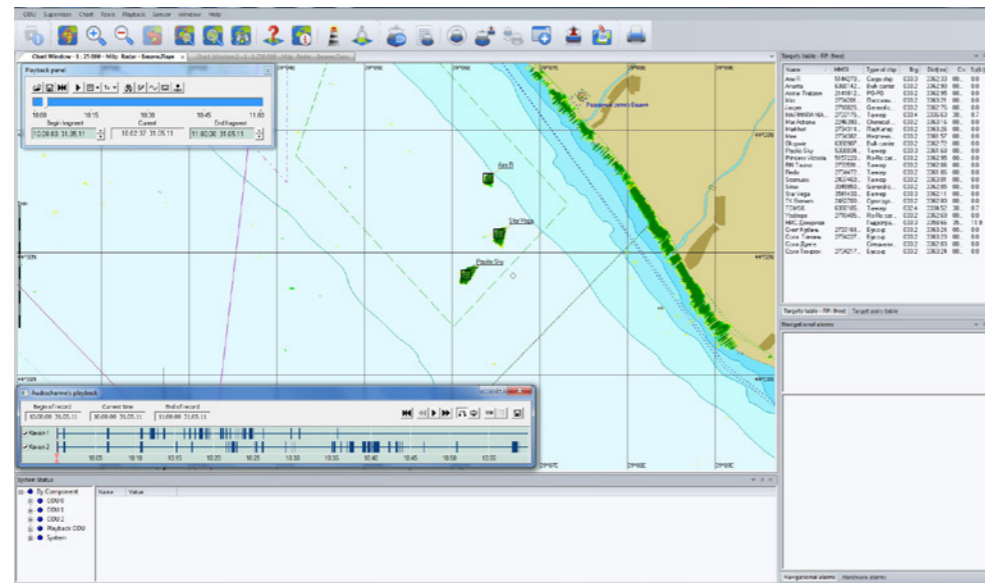
PORT SENSOR RECORDING & PLAYBACK SOLUTION

TRANSAS PORT SENSOR RECORDING & PLAYBACK SOLUTION

This solution can be added to enhance a Transas or any other manufacturer VTS solution. Ideal for updating an existing sensor recording network without the high expenditure associated with such systems through powerful software and industry standard hardware and protocols.

Port Vessel Traffic Management Systems (VTMS) are becoming increasingly complex. Multiple sensors monitor environmental and traffic movements, producing extensive quantities of diverse and extremely valuable information. The importance of VTMS operation and its high risk exposure create a need for reliable and comprehensive recording and playback systems.

The Transas synchronised Recording & Playback Solution helps port operators to keep a track of all data received from port sensors. All usual operations such as radar image control, scaling, off-centring and electronic measurements are available in playback mode.



OBJECTIVES

- Storage of all VTMS data (events, alarms) and all data received from sensors (Radar, AIS, Direction Finder, VHF [multi-channel audio data], Meteo- and Hydro sensors)
- Retrieval and replay of data for further analysis (in event of emergency)

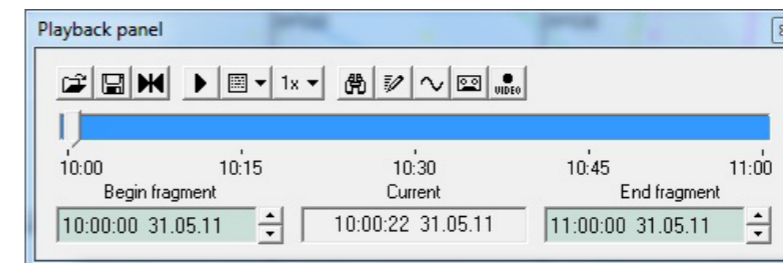
BENEFITS

- Synchronous multi-sensor data recording
- Multi-volume archive capability
- Playback of any combination of tracks
- No system interference with operator's standard activities

Recording subsystem allows integration of data from the wide range of sensors: Radar, AIS, Direction Finder, VHF, Meteo- and Hydro sensors.

Continuous synchronous recording of the following data in the log file is provided:

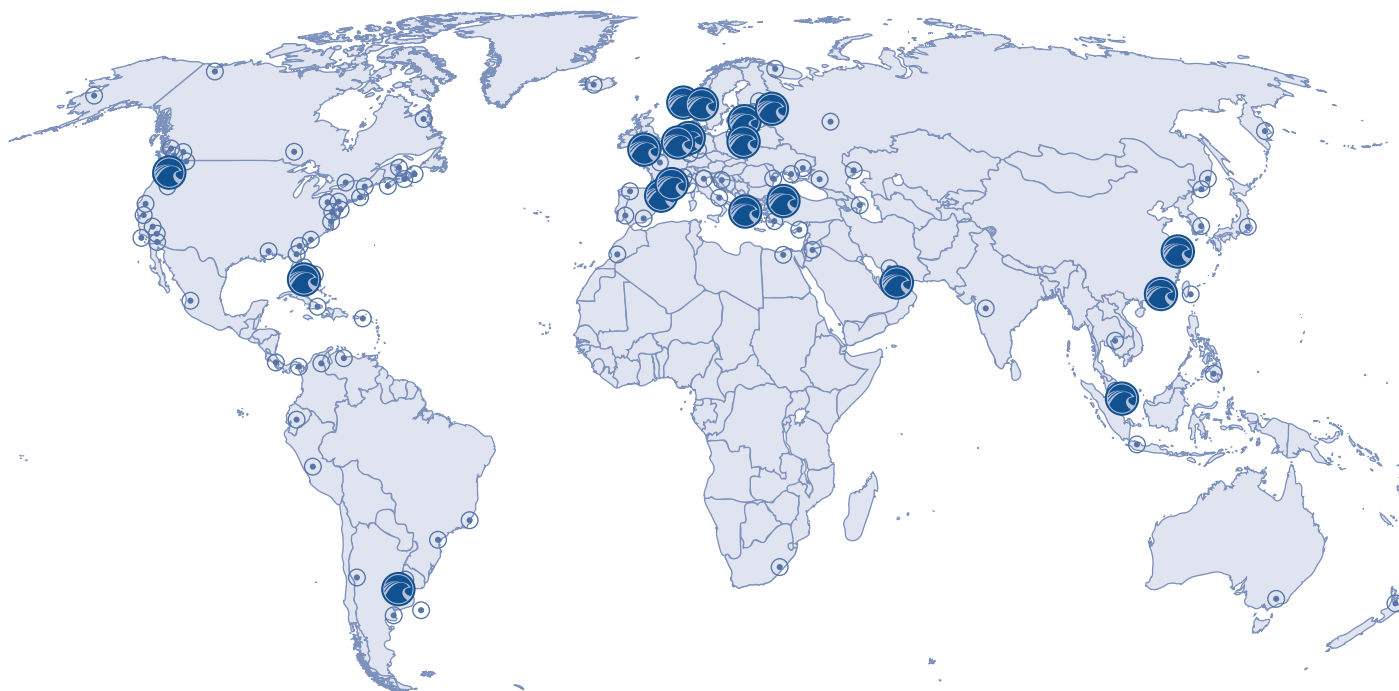
- Radar video
- Other VTMS sensor data (AIS, Direction Finder, Meteo etc.)
- Targets' tracks
- System generated notifications/alarms
- Events
- System configuration and status
- Multi-channel audio data from VHF communication subsystem and telephone
- Setting different depth of tracks storage
- Radar image sampling of independent recording for each sensor
- All log files can be saved on any data carrier (CD-Disk, DVD, Removable HDD) and stored separately.



Playback subsystem features:

- Selection of playback fragment
- Variable playback speed
- Conversion of fragments to AVI format (for Windows playback)
- Display of recorded tracks and option to select any combination of tracks (radar, AIS, video) for playing back
- Search for recorded fragment by user specified criteria (target name, MMSI, Callsign)
- Save selected fragment to specified drive/folder
- Export tracked target data from selected fragment to text format
- Export recorded audio data to .wav format
- Print graphical image during playback
- Capture video file from playback data
- Analyse voice records using range of features in Audio Records Analysis mode:
 - Graphical presentation of voice activities in timeline
 - Continuous playing back of audio records without gaps
 - Selection of audio fragment for continuous repeating.

TRANSAS WORLDWIDE DISTRIBUTORS AND SERVICE NETWORK



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