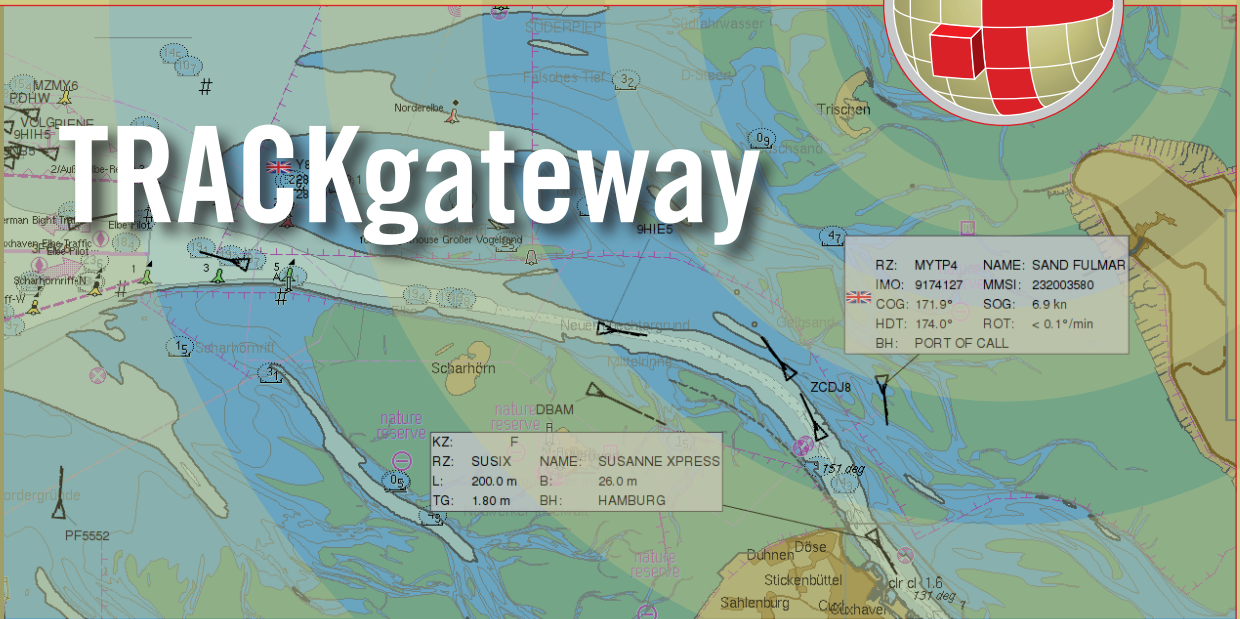# TRACKgateway

provides access to any track information

TRACKgateway is a front end module of a VTS data processing system which supplies any client with current tracks data in a service oriented structure (SOA).

Possible clients for this service are OMD - Object Management and Distribution module - of a data base or any other SOAP services.
It represents the high level SOAP interface for the MultiSensorTracker (MST) as well as further modules providing ASTERIX output data.

The service oriented component **TRACKgateway** not only provides the track data required to clients, but also forwards SOAP commands to the MST, e.g the assignment of flight numbers or IDs to tracks.
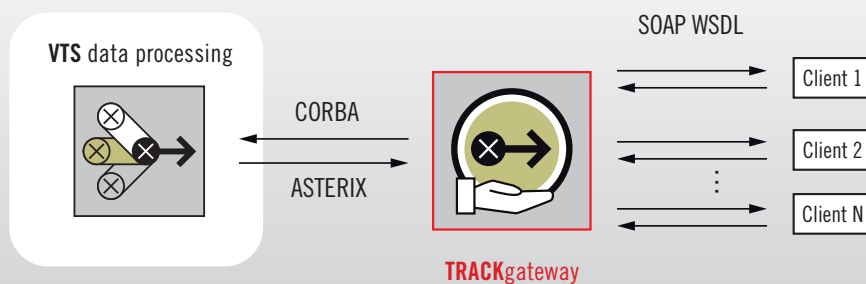
TRACKgateway transmits operations like merging, swapping and deleting tracks, and also creating and deleting of simulated tracks .
Furthermore, **TRACKgateway** receives special area information (NAI, ATA…) and route data from a SOAP server and transmits this information by encapsulating the CORBA interface of the MST.
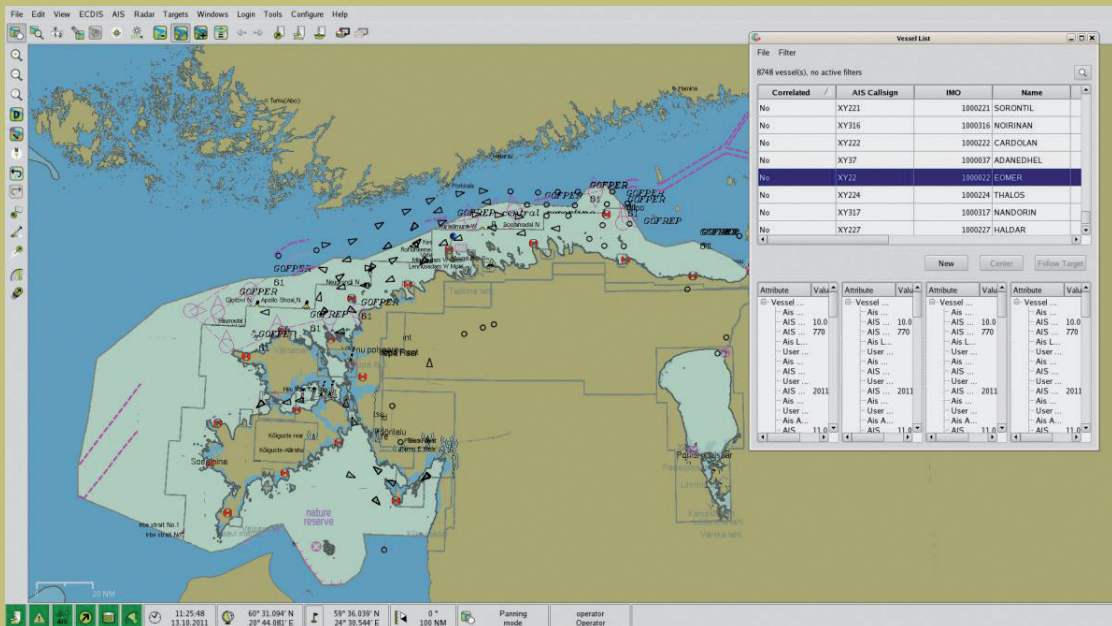
One SOAP request is sufficient to receive most recent track data. **TRACKgateway** ideally serves frequently calling real-time clients as well as background clients with lower polling frequencies .

As a system monitoring interface, TRACK-gateway also includes SNMP.

Sample configuration of TRACKgateway

in SIGHT

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Highlights

- *Hands over data in SOAP format*
- *Encapsulates the CORBA interface of MST*
- *Delivery of tracks to clients on demand*
- *Providing history of created or deleted tracks for a predefined time*

- *Assigning flight numbers/IDs to tracks triggered by clients*
- *Platform independent (LINUX, Windows)*

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