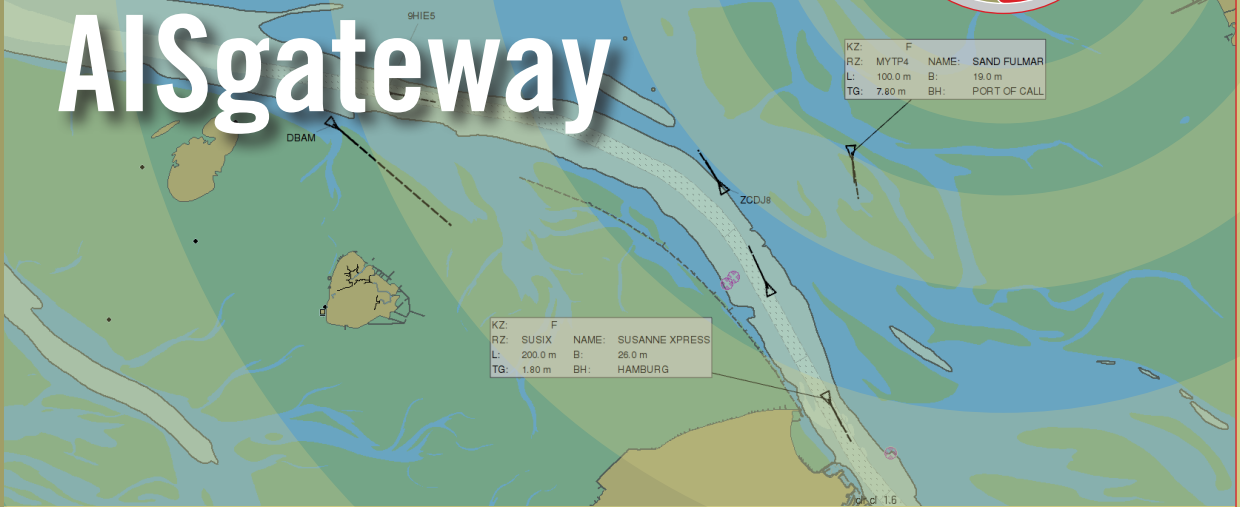




hands over AIS data requested

AISgateway



AISgateway is a front end module to an AIS network or single AIS base station and provides all AIS information - static as well as dynamic - in a Service Oriented Structure (SOA).

The service oriented module acquires AIS data via TCP/IP, decodes data and stores it. Due to its internal database, **AISgateway** collects vessel information comprising ship data, voyage data and position reports.

Clients can access AIS data via simple high level requests without any needs for understanding the internal protocol of the AIS data encoding and transmission.

A client can ask for data of the current traffic situation or for changes since their last query and will receive only the most recent values.

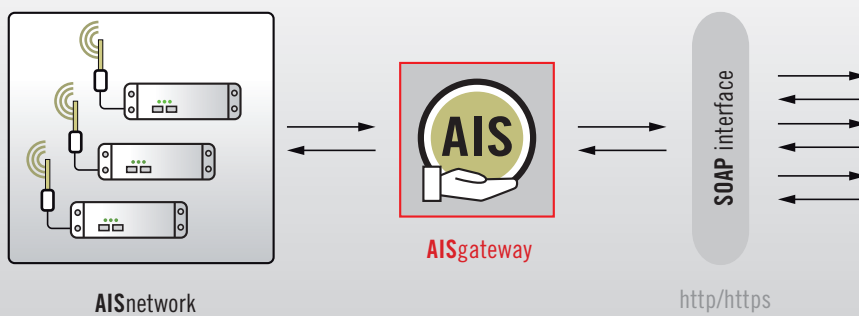
As system monitoring interface **AISgateway** also includes SNMP.

By means of incremental call via Apache, the data volume is minimized.

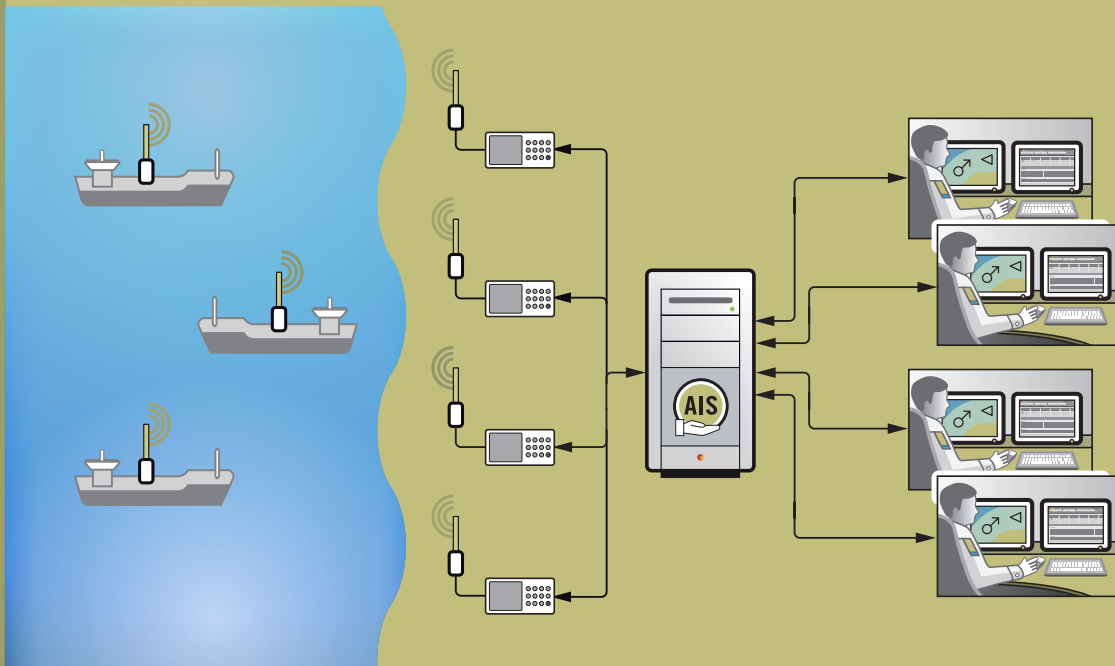
One SOAP request is sufficient to receive most recent data available about any vessel within the surveillance area.

Therefore, **AISgateway** ideally serves frequently calling real-time clients as well as background clients with lower polling frequencies.

Sample configuration of AISgateway



AIS communication



Highlights

- *Collecting static and dynamic AIS data*
- *Decoding according to Recommendation ITU-R M.1371-4*
- *Maintaining data change lists*
- *Simple access to AIS data via SOAP server interface*
- *Supporting full data snapshots*
- *Supporting incremental data updates*
- *Interface definition with WSDL*
- *System supervision with SNMP*
- *Platform independent (LINUX, Windows)*



further information about recent developments of innovative navigation systems can be found on the homepage:
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