Next Port
Part of the OceanIO platform

Introducing Next Port

Next Port is the answer to your questions:

- Where is any particular ship heading for next port of call?
- Which vessels are coming towards any particular port?
- When will the vessel arrive at the port?

Accurate predictions

The Next Port service increases visibility of all commercial vessels, giving you accurate predictions on vessel destinations.

Eliminate manual work

Using advanced machine learning, the system lets you track all the IMO vessels towards all ports around the world. It provides continuous updates on predictions on the most probable next destination and delivers the answer to your question in a simple and uniform format. The Next Port service is a time-saving alternative to the traditional methods of retrieving this information, especially if multiple ships or multiple ports are involved in the operation.

How does it work?

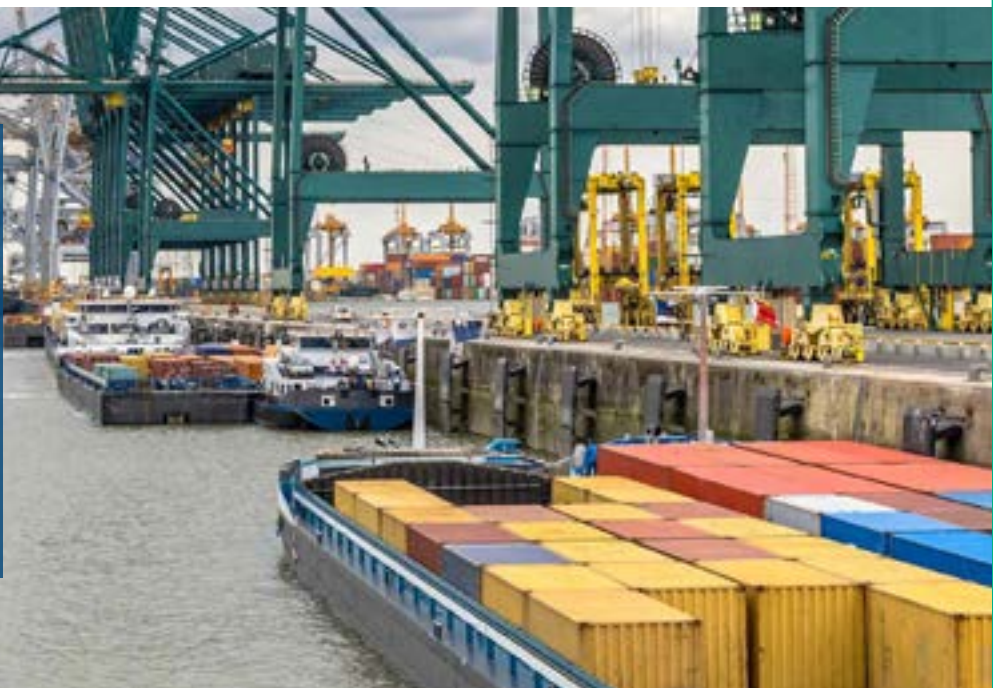Advanced machine learning to track vessels by IMO number

Continuously updated predictions for the most probable next destination

Probability in percent for each next port candidate and ETA for each port in a simple format

Advanced machine learning lets the system track all IMO vessels towards all ports worldwide

Collect the schedule data for all commercial vessels in one, unified data feed using a consistent format for port locode and timestamps in UTC across all vessels and ports and improve in the information with a more precise ETA calculation towards the next port of call.

Act proactively with a port centric or a ship centric view

Port centric view
The API will accept a port and return a list of all the vessels most likely to come towards the port.

```
{"records":[
{"eta":"2021-06-01T15:00:00Z","imo":9809100,"locode":"GBFXT","probability":0.99},
{"eta":"2021-06-03T15:30:00Z","imo":9085534,"locode":"GBFXT","probability":0.97},
{"eta":"2021-06-03T07:45:00Z","imo":9778832,"locode":"GBFXT","probability":0.96},
```

Ship centric view
The API will accept an IMO number (or a list of IMO numbers) and return a list of the most likely candidates for the next port of call along with a probability and ETA.

```
{"records":[
{"eta":"2021-06-15T13:15:00Z","imo":9399052,"locode":"GBFXT","probability":0.83},
{"eta":"2021-06-15T14:00:00Z","imo":9399052,"locode":"NLRTM","probability":0.09},
{"eta":"2021-06-11T10:30:00Z","imo":9399052,"locode":"ESALG","probability":0.02}]}
```

The Next Port data service is available through a REST API for easy integration

Features

- ☑ REST API
- ☑ One simple, uniform format for all vessels and ports
- ☑ Improved and continuously updated ETA calculation
- ☑ Automatic detection of additional and missed port calls
- ☑ Port and locode service
- ☑ All port calls using locodes (no more misspelled port names)
- ☑ All time data in UTC (no more mixed up local time zones)
- ☑ All vessels by IMO (no more misspelled vessel names)

GateHouse
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