

THE ACCESSIBLE

NORTH SEA CARGO PORT



- Project cargo
- Bulk cargo

- Strategic location
- High standard of service

THYBORON
PORT

ALL-WEATHER berthing facilities



Your eastbound gateway to the North Sea

The Port of Thyboron enjoys a unique location on the Danish North Sea coast inside the Limfjord. Even in very rough weather, vessels can berth smoothly, and the easy approach guarantees safe handling. The ease of access and guaranteed water depths ensure a high degree of efficiency for cargo projects.

A strategic position close to industrial Denmark

The Port of Thyboron is well positioned with short distances by road to and from Denmark's main industrial centres. It boasts a favourable location close to key agricultural and industrial production areas in Denmark.

What makes the Port of Thyboron even more ideal is that whether you are transporting break bulk cargo, project cargo or bulk cargo, its outstanding location is allied to superb maritime infrastructure, second-to-none flexibility and very high standards of service.

Port facts

- Water depth in Thyborøn Channel 8 m
- Water depth in port 9 m
- Total quay length 5.5 km

- ISPS level I
- Port service 24/7
- Pilotage and stevedoring are available but not mandatory

Around 5,000 vessels call at the port each year



An expanding cargo hub

Thanks to its outstanding location on the North Sea coast, guaranteed water depths, good quaysides, quayside warehousing facilities and easy access to transport infrastructure, the Port of Thyboron now handles around 1.5 million tonnes of bulk cargo a year.

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Bulk cargo operations

Storage or direct transport for customers

The Port of Thyboron is an expanding bulk cargo port where both agricultural bulk cargo, biomass and liquid bulk cargo such as chemicals and oil for bunkering are discharged.

Facilities for customised bulk freight solutions

Choosing the most advantageous mode of transport can have a significant impact on cost-effectiveness. At Thyboron, the infrastructure gives you the opportunity to set up the most suitable bulk freight solution for your projects and supply chain logistics.

From vessel to customers

At Thyboron, distributing bulk cargo directly from vessel to customer is a straightforward operation. Easy road access to the quayside with no town or city centre to negotiate makes a big difference. In addition, the 5,000 m² of additional concrete surface area at the quayside allows truck drivers to approach each vessel to discharge or load bulk cargo without requiring difficult manoeuvres.

Quayside outdoor storage

Outdoor storage near the quayside for assembling a number of goods before shipment or to await the arrival of road freight is another option. There is 150,000 m² of onshore area in close proximity to the quayside available.

ISPS area of the port for focused handling.

Access to quay facilities is limited to registered users of the gate entry only. The area is quiet and undisturbed, and therefore allows work to be performed without interruption, making logistic workflows safe and highly efficient.

Truck driver comfort

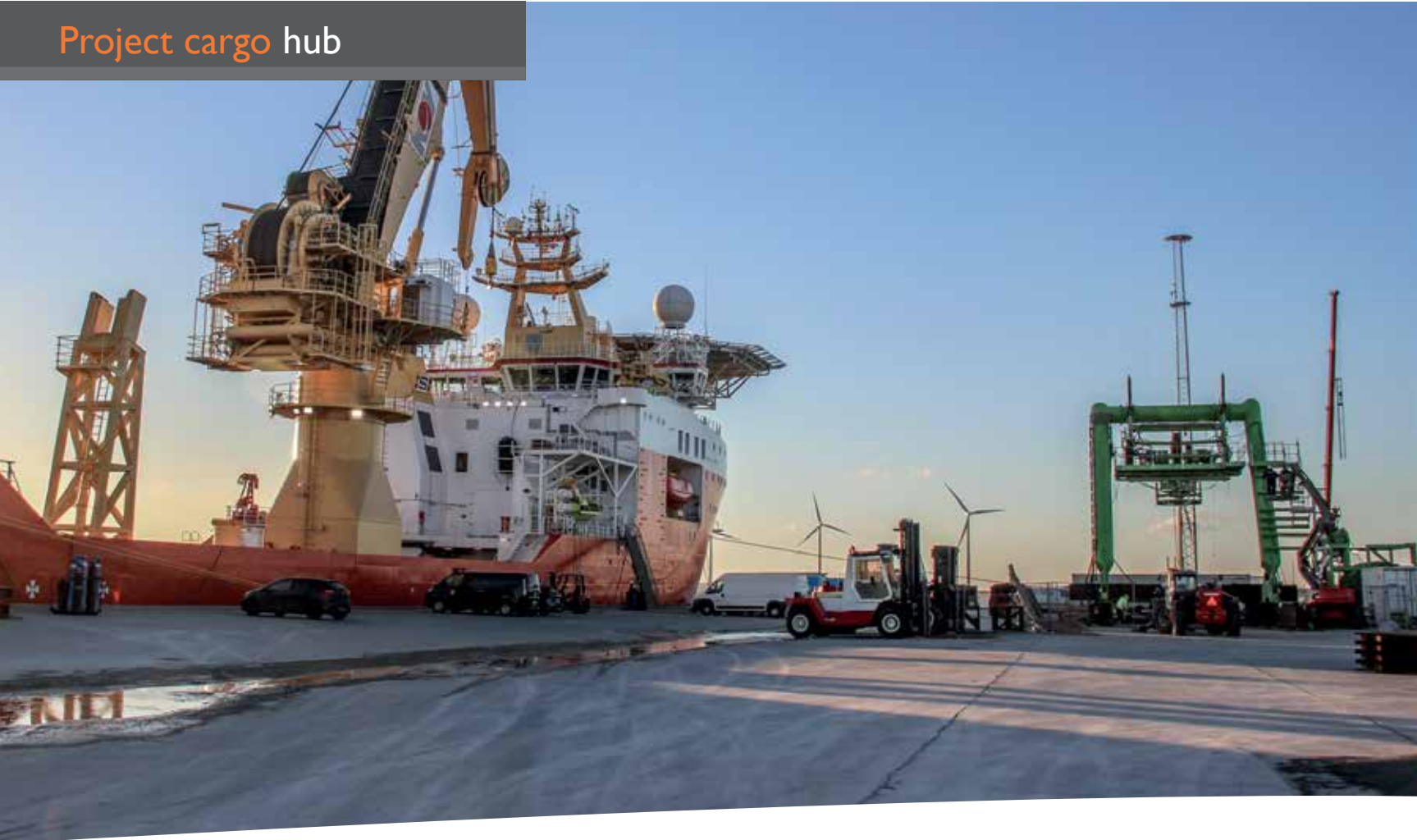
Even small things matter, so portable toilets can be made available for truck drivers directly at the quayside during large bulk cargo operations for extra driver comfort.

Bulk cargo types handled today

- Raw materials such as gravel, crushed stone, grit, sand
- Fish-related products such as fishmeal and salmon feeds etc.
- Agricultural supplies such as fodder, feedstuffs, seed corn, calcium, fertiliser, hay and straw etc.
- Liquid bulk cargo such as oil, chemicals, lye etc.
- Biomass for heating production plants such as liquid products in tankers, bales of pressed RDF-waste, wood chips etc.
- In addition, various kinds of heavy load break bulk cargo, such as transformers and industrial generators etc.

Bulk terminals

The expansion of the port is being realised in close co-operation with customers. The master plan for the port includes a dedicated bulk terminal area, which is ready to be constructed when needed.



Heavy-lift quay facilities with easy truck access to the quayside

The Port of Thyboron is a fully equipped harbour for break bulk projects with heavy goods quay facilities and 150,000 m² of onshore storage area in close proximity.

Everything for an easy life
There is a 5,000 m² heavy load area adjacent to the quay which makes it easy for trucks to approach the cargo vessels. Paved with concrete, operations are very smooth and easy. So when it comes to discharging heavy loads, such as i.e. transformers, and using heavy cranes, the Port of Thyboron has the facilities and the flexibility to cope with any task in a way that eases the work for your team.

Supports full focus
The heavy-lift quay facilities are located in an ISPS-secured area of the port, ensuring safe and focused handling without interruptions to your workflow.

Vessel gears may be used for discharging.

Heavy-lift quay facts:

- **Length:** 180 m
- **Width:** 30 m
- **Bearing capacity:** 23 t per m²
- **Point load:** 430 t
- **Water depth:** 9 m
- **Turning area:** 180 m
- **Storage area:** 150,000 m²
- **Concrete surface area:** 5,000 m²
- **Depth of concrete surface** 250 mm
- **Portable toilet facilities at quayside**
- **ISPS area**

A spacious and professional industrial port
The Port of Thyboron is an industrial port, with about 5,000 vessels a year making use of our facilities. In spite of the high levels of activity, we can easily accommodate and prioritise even the biggest cargo projects. Here are several examples of vessels which have docked at the Port of Thyboron recently:

- | | |
|-----------------------------|------------|
| • <i>Industrial Dolphin</i> | 120 x 20 m |
| • <i>Eemslift Hendrika</i> | 111 x 17 m |
| • <i>Normand Reach</i> | 121 x 23 m |
| • <i>DC Orisant</i> | 142 x 24 m |
| • <i>Eidholm</i> | 72 x 12 m |
| • <i>Bal-Bulk</i> | 72 x 12 m |
| • <i>Sand Falcon</i> | 120 x 20 m |
| • <i>Vestbris</i> | 77 x 12 m |
| • <i>Klevstrand</i> | 72 x 13m |
| • <i>Bartok</i> | 99 x 14 m |
| • <i>Key North</i> | 90 x 15 m |
| • <i>Schelveringhe</i> | 117 x 19 m |
| • <i>Superior</i> | 82 x 11 m |
| • <i>Silver Framnes</i> | 80 x 14 m |
| • <i>Terneskaer</i> | 56 x 11 m |

Break bulk references

- **Transformer freight**
For ENERGINET, the Danish owner of the power and natural gas transmission systems in Denmark
- **A-frame and winch system mobilisation**
Assembled and tested at the heavy-lift quay facilities in the Port of Thyboron by MacArtney A/S for Global Sea Mineral Resources NV in Belgium
- **Super conductive generator freight**
For the Envision test wind turbine located next to the heavy-lift quay facilities





Effective hinterland infrastructure

Quick road access from the quaysides

The Port of Thyboron is the strategic choice for transporting goods to and from the industrial parts of Denmark. We are located conveniently for fairways in the North Sea, with very easy access to the Jutland road network.

Infrastructure for easy and safe handling

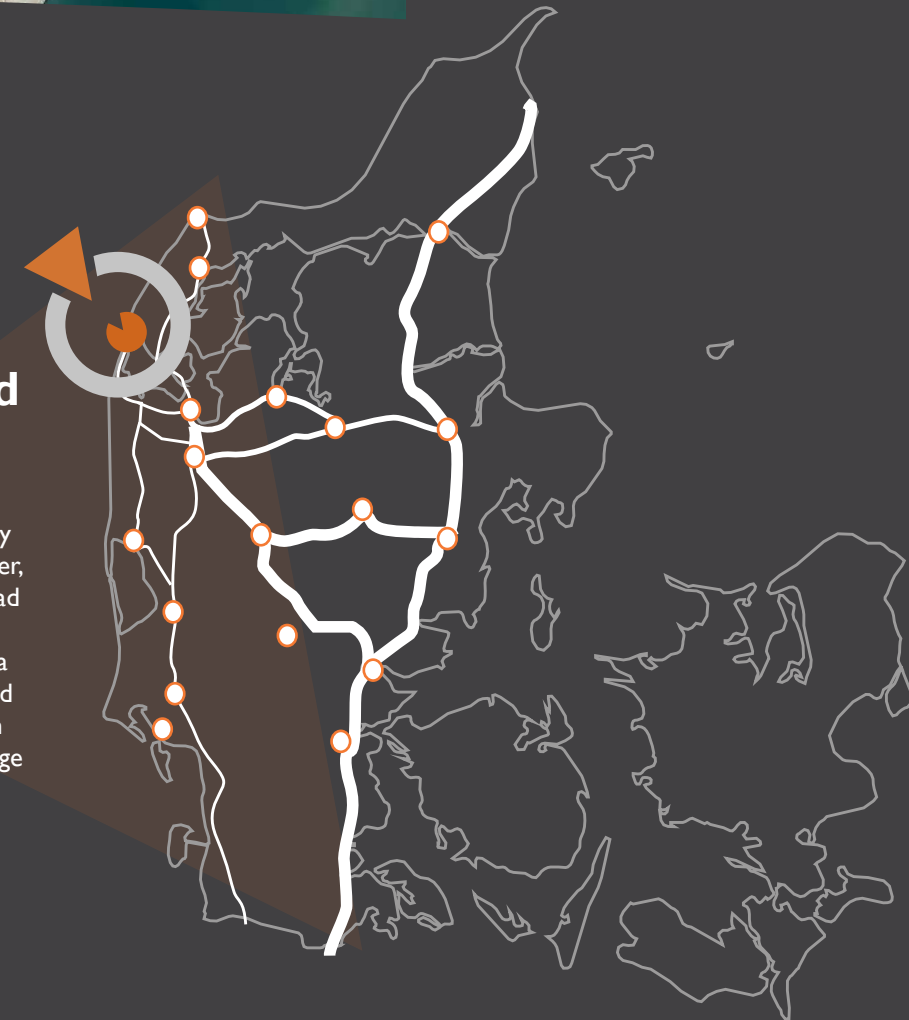
The Port of Thyboron is accessed via a very good road infrastructure, and there is direct access from the road to the quayside without having to first negotiate a town or city centre. This effective hinterland infrastructure ensures smooth and quick transport to and from the port, which improves truck driver comfort and safety considerably during transport.

Distances to road network

- Distance to road from quayside 500 m
- Distance to motorway 54 km
- ISPS with personalised gate system

Quickest access to and from road network

At the Port of Thyboron, the main road is only 500 metres away from the quaysides. Moreover, the motorway is only 54 km away, and the road is always clear and uncongested. This makes it possible to benefit even more from new sea freight possibilities, and to avoid the delays and additional costs associated with traffic jams in and around large metropolises as well as bridge tolls.



Dry storage hub



Quay facilities with quayside warehousing for dry storage

The Port of Thyboron is also a well-equipped port for dry storage and bulk cargo handling with 220 m of quay, 4,850 m² of warehouse capacity for dry storage and 2,000 m² of cold storage if required.

A logistics solution

The warehouses are located in close proximity to the quayside for quick handling while the vessel is docked at the port.

Flexibility and quick response times

Dry storage and transport to and from the vessel are services offered by local suppliers. Thyborøn Stevedore A/S offers both warehousing and transport using MAFI trucks and telescopic loaders for easy cargo handling.

Quay facts 'Langholmka':

- **Length:** 220 m
- **Width:** 30 m
- **Bearing capacity:** 2 t per m²
- **Point load:** 40 t on 2 x 2 m
- **Point load** less than 2 m from quay wall: 80 t on 2 x 4 m
- **Point load** more than 2 m from quay wall: 80 t on 2 x 2 m
- **Water depth:** 9 m
- **Warehouse capacity nearby:** 6,850 m²
- **Portable toilet facilities at the quayside**
- **ISPS area**

Dry storage references

- **Aller Aqua A/S**
Producer of high-quality aquaculture feed which exports to the Norwegian salmon aquaculture industry
- **60 North Greenland ApS**
Importer of seed, feed, hay and everything for the Greenland farming sector
- **TripleNine A/S**
Producer of high-quality fishmeal and fish oil for the feed industry

An industrial port with a steady cargo flow

Bulk cargo in pallets and big bags i.e. fish food and agricultural supplies such as seed corn, calcium, fertiliser, hay and straw are examples of bulk cargo stored in Thyboron.

The port also has storage facilities for different types of liquid bulk cargo, i.e. chemicals, and oil tankers are discharged at the Port of Thyboron.

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Flexible and local support

All services, close at hand

The Port of Thyboron prides itself on its dynamism and flexibility. You are free to use your vessel's gears for discharging. There is no obligation to use the stevedoring services, and both towage and pilotage are not compulsory. However, if required, these services are always available. Our local contractors possess specialist expertise in towage and pilotage, and we have good links with a number of local crane operators.

Stock facilities

Indoor and outdoor stock facilities are available at the Port of Thyboron. There is also access to locked facilities as well as facilities with CCTV surveillance for supplies such as lubricating oil or cables which take up a lot of space and require extra security.

Bunkering

Several bunkering companies are represented at the Port of Thyboron, for example Nordic Marine Oil, a member of the Malik Supply Group.

Port service – open 24/7/365

The Port of Thyboron is operational 24 hours a day, seven days a week and 365 days a year. You can call the port at any time and receive immediate assistance with:

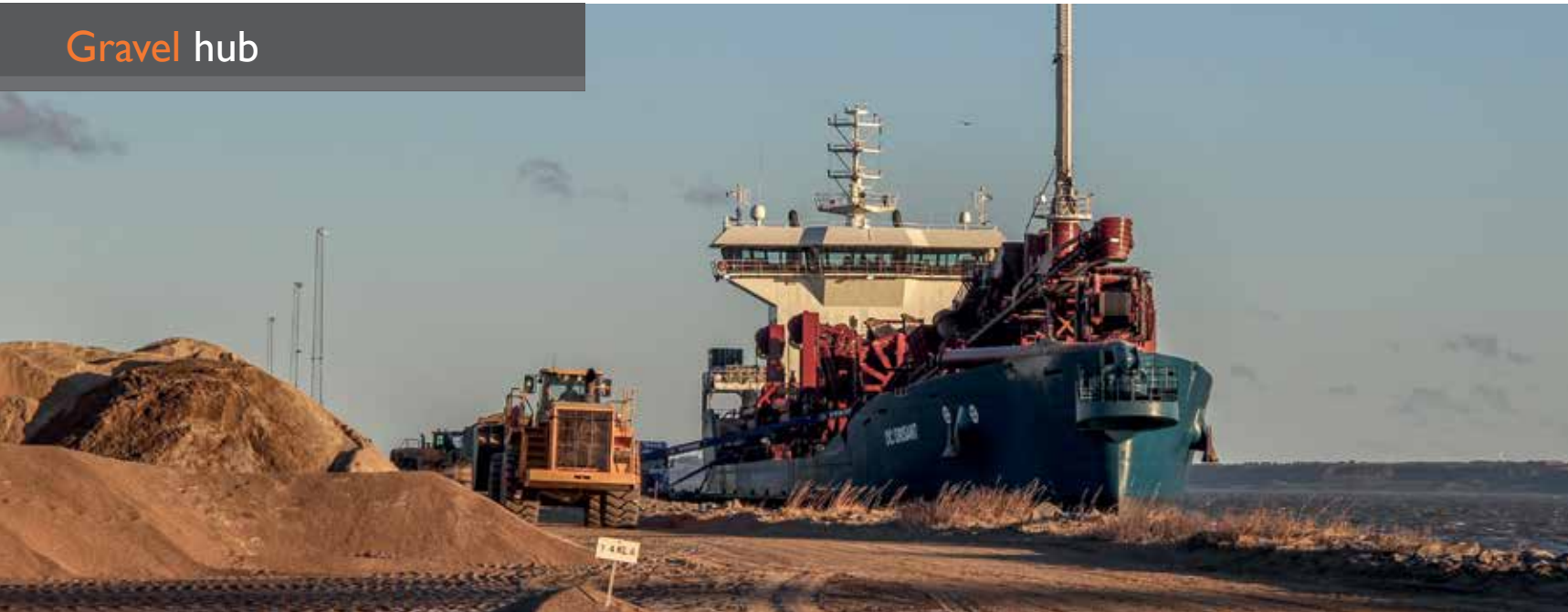
- Berthing indication
- Hawser assistance
- Water supply
- Power supply
- Slop oil disposal
- Waste disposal
- Etc.

Local services

- Indoor and outdoor stock facilities
- Lockable outdoor stock areas with CCTV surveillance
- Welfare facilities
- Cranes
- Towage
- Pilotage
- Linesman service

A very professional port

Customers visiting the Port of Thyboron for the first time are astonished at the reach of our skills and capabilities. And they often remark that the workforce here is clearly committed to completing each and every task, large or small. We can put these people at your disposal.



Denmark’s main gravel-handling port

Long tradition of handling gravel

Since 1996, gravel for the building industry has been harvested in the North Sea from the Jutland Reef and handled and graded at the Port of Thyboron. About 1.3 million tonnes of gravel are treated and graded at the Port of Thyboron each year.

Two key players in the gravel industry
Today, there are two gravel companies operating from the Port of Thyboron, Thyborøn Nordsøral A/S and Kroghs A/S. They supply raw materials for the concrete and asphalt industries for the construction of buildings, roads and bridges etc. in Denmark and other European countries such as Germany, the Netherlands and Belgium.

Dedicated gravel area
Both companies operate from a dedicated gravel area with a purpose-built quayside at an ISPS area of the port from where they can safely work with their big loaders without disturbances and store their gravel all year.

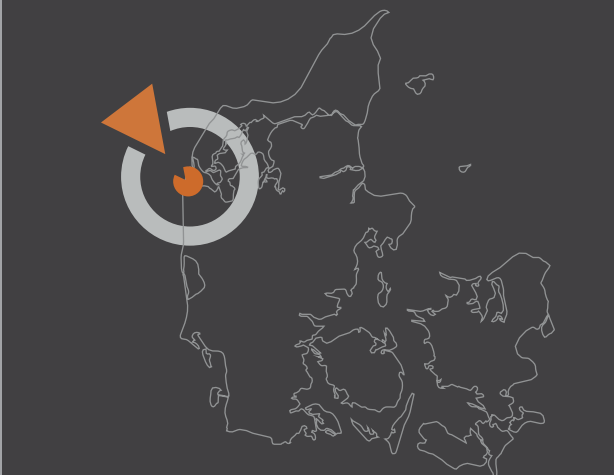
Gravel quay ‘Limfjordskaj I’	
• Length	180 m
• Width	30 m
• Bearing capacity	2 t per m²
• Water depth	9 m
• Turning area	200 m
• Onshore area adjacent to quay	130,000 m²
• Concrete surface area	2,190 m²
• Depth of concrete surface	200 mm
• Office facilities at the entrance to the area	
• ISPS area	

Close cooperation for the best working set-up
The gravel area at the Port of Thyboron is a good example of how close collaboration with customers ensures the most efficient working set-ups.

The combination of leased area located in close proximity to the quayside is crucial, and here we can make a big difference at the Port of Thyboron.

PORT SERVICE 24/7/365

The Port of Thyboron's ambition is to become a proactive strategic partner for cargo projects that require fast, efficient operation and outstanding levels of service.



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