

An aerial photograph of a port facility. In the foreground, a large blue and white container ship, the 'TRANS CARRIER', is moving through the water, leaving a white wake. The ship's deck is filled with green containers. In the background, the port infrastructure is visible, including various buildings, cranes, and several wind turbines on a distant shore under a clear blue sky.

PORT ESBJERG SUSTAINABILITY STRATEGY

Health, Safety and the Environment



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SELECTED FACTS ABOUT PORT ESBJERG*



4,500,180 m²

AREA COVERED



4.1

MILLION TONNES OF
GOODS HANDLED



5,376

PORT CALLS



42,968

CARS IMPORTED



557 MW

OFFSHORE WIND CAPACITY
SHIPPED FROM ESBJERG



36.6 million
EUR

INVESTMENTS

A SUSTAINABLE FUTURE

Sustainability and the UN's 17 Sustainable Development Goals are a strategic priority for Port Esbjerg. Across our four core business areas (Circular Economy, Sustainable Energy, Intermodal Transport, Oil & Gas), we aim to support our customers in their extensive efforts to promote sustainable developments, and we will concentrate on areas where our contribution as a large international infrastructure provider in and out of Esbjerg will matter the most.

To that end, our new sustainability strategy will focus on efficient and sustainable port operations, transport of goods, green transition, socio-economic contributions, occupational health and safety and on minimising the climate and environmental impact of our port-related operations. Building and maintaining close partnerships is and will always be a key element within all of these areas.

The port of Esbjerg is uniquely positioned in Danish and European infrastructure, particularly in terms of the transition to green energy and the reduction of greenhouse gas emissions. We play an important role in a necessary future strengthening of maritime transport and the interaction between various modes of transport, as we can contribute to the installation of sustainable energy and help solve the congestion crisis on the roads of Europe by promoting efficient and sustainable transport of goods.

We will continue to develop our infrastructure and range of services, while sharing our knowledge and experience as the world's largest originating port for wind power, ensuring that we contribute as much as possible to the green transition in Denmark, in Europe and globally. Working with our customers, business partners, owners, and other stakeholders, we will strive to capture the potential of the North Sea as the green power plant of Europe, making it the hub where wind energy is planned, readied and expertly shipped to the rest of the world.

We are also concerned with creating the best possible framework for the hundreds of businesses and thousands of jobs at the port, aiming to retain and increase the socio-economic benefits to Esbjerg, our region, and the rest of Denmark.

We intend to combine our position as a world-class infrastructure provider with being a good neighbour, and we will make every effort to eliminate or minimise the impact of our port-related activities on nature and the environment and to take all necessary steps to ensure occupational health and safety at the port of Esbjerg.

Our overall ambition is to make the port of Esbjerg an international benchmark for sustainability and an example of how a city and its port can operate as an integral unit.

Since it was built in 1868, the port of Esbjerg has supported the local community and contributed through growth and activity to the development of Denmark. We are sustaining that

development through a huge focus on the global transition to sustainable energy by providing strong, reliable, and modern infrastructure.

Sustainability is a key priority across our range of activities. Our ambition is to be one of the world's leading ports, also in terms of sustainability. An important aspect of these efforts is the United Nations' 17 Sustainable Development Goals, which have provided the world with a common language for sustainability across sectors and industries – a language that we obviously both speak and understand at Port Esbjerg. For example, we develop annual sustainability targets that we measure monthly to monitor our sustainability, and we have selected seven of the United Nations' 17 sustainability goals in a context of port operations.

With this sustainability strategy, we aim to emphasise our promise and our continuing commitment to contribute to the long-term, sustainable development of our core business areas.

The strategy defines our general approach to sustainability, which we update annually, ensuring that it reflects relevant goals, targets, and activities.

We have a specific ambition to strengthen our communication on our sustainability initiatives. Our environmental report and occupational health and safety (OHS) report are key components of these efforts. In 2022, we intend to apply to the European Sea Ports Organisation to become certified to "Port Environmental Review System (PERS)". In the following pages, you can read more about our sustainability approach, our targets, and ambitions as well as our specific initiatives.





The seven goals that the Port Esbjerg focuses on

BACKGROUND: THE UNITED NATIONS' SUSTAINABLE DEVELOPMENT GOALS

The United Nations' 17 Sustainable Development Goals (SDGs) have provided a common language for sustainability across sectors and industries. The goals are to be achieved by 2030, and this is the first time that private enterprise has been specifically invited to take part. This is a positive step.

At Port Esbjerg, our operations and approach are fundamentally international, and several of the SDGs are relevant to us and our operations. For example, climate change has a strong impact on port operations, and our day-to-day operations impact many of the SDGs. However, the main driving force is our ability to contribute to achieving the SDGs through our operations.

In other words, we fully support the achievement of the SDGs. In fact, we have based our strategy on them, as we have

analysed our current and planned initiatives to identify which specific SDGs are most relevant to Port Esbjerg.

SDG #17 plays a particular role, as partnership is a means of achieving the other goals. It is by building partnerships that we can really make a difference.

It is important to emphasise that although we are focusing specifically on the seven SDGs shown above, we support all seventeen. We will regularly assess whether we need to add new initiatives outside our prioritised goals and whether to review current priorities. For example, we make a point of sourcing wood for our piers from sustainable forestry operations, thereby contributing to SDG #15 Life on Land, even though we have not defined it as a strategic focus area.

PORT ESBJERG SUSTAINABILITY STRATEGY

Reflecting the goals of our overall vision, our strategy is focused on three core areas:

SUSTAINABLE OPERATIONS AND MANAGEMENT

We want to lead by example and set the standard for sustainable operations and management.

We intend to set high standards to protect our environment and climate and to promote occupational health and safety, because we believe sustainability is a prerequisite for long-term growth. This involves eco-friendly planting at port areas which demands minimum maintenance, ensures interaction with nature, and requires minimum use of herbicides.

We intend to build our competencies and train our employees to work safely to reduce the risk of occupational injuries by developing a culture of safe conduct.

We aim to promote equality among our employees and to contribute to society by offering internships and job trials in collaboration with the Local Authority of Esbjerg.

Digitalisation is part of our active toolbox, and we will regularly review our environmental impact and consistently take steps to reduce it.

SETTING THE FRAMEWORK FOR SUSTAINABLE COMMERCIAL GROWTH

The relationship that we have built with our neighbouring businesses at the port of Esbjerg is based on inspiration, collaboration, partnership, and mutual engagement. We wish to engage with our customers on sustainability. We believe

we have a responsibility to take a holistic view and lead by example. We have accumulated knowledge and experience about sustainable solutions, and we make it available to our customers in the hope that we will inspire them to take action, because we accomplish more together.

We will actively consult our Advisory Board with a view to making sustainable conduct a part of our decision-making procedures, and we will ensure that we apply laws, rules, regulations, and practices in the most optimal way for our owners and our customers. In doing so, we will adhere to our tender policies.

SUSTAINABLE INFRASTRUCTURE

The port of Esbjerg is a link in a global transport value chain, and generally sea transport has a much lower climate footprint than both road and air transport. The port also forms part of production value chains, for example in relation to the operation of the oil and gas fields in the North Sea and offshore wind farms. Placing manufacturing activities near a port can help reduce the environmental impact. Thanks to technological innovations, new solutions are rapidly evolving in the transport sector, and it is our ambition to facilitate and support the transition of the port value chain to capture the potential of sustainable sea transport.

VISION

We want to lead by example and be a source of inspiration to others in order to promote a sustainable transition of the maritime sector.



**PORT
OPERATIONS**



**THE PORT AS A
MARITIME
INDUSTRIAL SITE**



**THE PORT AS A
GATEWAY TO THE
WORLD**



SUSTAINABLE OPERATIONS AND MANAGEMENT

AMBITIONS

Port Esbjerg oversees the operations and maintenance of more than 4,500,000m² of quay space along some 14 kilometres of quays. Our direct energy consumption is for street lighting and for heating our own buildings, but we also supply power for our customers' operations. In addition, we use cranes and various other equipment.

Our ambition for operations and maintenance is to:

CONTINUALLY WORK ON REDUCING OUR CARBON FOOTPRINT

We want to minimise our environmental impact. We want to recycle as much as possible and avoid using landfill sites and incineration plants, for example by ensuring optimal waste sorting and recycling.

Reducing our carbon footprint is a constant priority for us at Port Esbjerg. Already now, small vessels get power from shore-based sources originating from the Horns Rev 2 wind farm, and we are converting our vehicles to run on electric power or as hybrids where technically possible.

PROMOTE HEALTH AND SAFETY AND AN INCLUSIVE WORKING ENVIRONMENT

A strong health and safety environment is our overriding top priority at Port Esbjerg. We achieve that by ensuring that

everyone knows and follows our health and safety procedures. We strive to promote an inclusive labour market, in part by providing work experience opportunities as well as apprentice and traineeships.

We also aim to promote safe conduct in the workplace, and we will investigate all incidents that could potentially result in serious personal injury or damage to the environment.

SUPPORT SUSTAINABLE INFRASTRUCTURE AND DEVELOPMENT

We aim to develop the infrastructure at the port of Esbjerg in a sustainable manner. We also want to support economic developments, and we make sure that small and mid-sized enterprises are given the opportunity to tender for contracts at the port, including by helping to promote their skills and expertise to Port Esbjerg stakeholders.

SYMBIOTIC RELATIONSHIP

We aim to spotlight the port's influence on the city of Esbjerg and intend to measure and assess the port's environmental impact on the city.

We also want to contribute to the welfare and well-being of people in the city by sponsoring various events for the benefit of the residents of Esbjerg.





SETTING THE FRAME- WORK FOR SUSTAINABLE COMMERCIAL GROWTH

AMBITIONS

The more than 200 businesses based at the port of Esbjerg employ close to 10,000 people. Port Esbjerg plays a key role as the originating port for components to the wind industry and as an installation port for offshore wind in the North Sea. The port of Esbjerg is also a key base port for North Sea oil and gas activities and for intermodal traffic. This means that our core business is to make available the infrastructure which our customers require to perform their core business.

Our ambition is to support sustainable commercial development by:

REDUCING THE ENVIRONMENTAL FOOTPRINT

We will help our customers to minimise their environmental footprints. As our customers are the source of most of the energy consumed and waste produced at the port, we will work with them to develop sustainable solutions, sharing our experience from environmental and climate-friendly solutions developed in our own operations.

PROMOTING A STRONG HEALTH AND SAFETY ENVIRONMENT

We will work with our customers to develop a strong health and safety environment for all activities at the port and ensure that everyone knows and follows the health and safety procedures. We will do that by facilitating a health and safety network for all companies at the port and by regularly running campaigns in collaboration with the companies at the port.

REDUCING RESOURCE CONSUMPTION

We want to create a future-proof and sustainable infrastructure at the port of Esbjerg. We will work to find new ways to help our users reduce their resource consumption, for example by regulating traffic and offering onshore power. We will also take part in R&D projects that will provide us with new knowledge about and insights into important and relevant topics on continuing the sustainable development of the port of Esbjerg.





SUSTAINABLE INFRASTRUCTURE

AMBITIONS

The infrastructure provided through the port gives Port Esbjerg important interfaces to the rest of the world. Esbjerg is a key port for operations in oil and gas as well as wind in the North Sea, and it is one of Denmark's largest industrial ports. The fact that Esbjerg is a port to the world means we must be mindful of our carbon footprint.

We recognise that responsibility. At the same time, it is important to us that the city of Esbjerg and our neighbours perceive us as accommodative and an active contributor in terms of ensuring sustainable development of the city and the local region.

Our ambitions for sustainable infrastructure are to:

REDUCE OUR ENVIRONMENTAL IMPACT ON THE OUTSIDE WORLD

We will work to reduce the environmental footprint of the port of Esbjerg. That is best achieved by engaging closely with the relevant authorities and interest organisations. Promoting sea transport as a sustainable transport solution is an important aspect of this work.

IMPROVE INFRASTRUCTURE

We work consistently to optimise our existing infrastructure, making sure that it is up to date and can support sustainable operations for port users. That is why the design of the East Harbour area facilitates the best traffic connection possible to the motorway system. At the same time, it has allowed a big part of the heavy traffic at the port to be redirected from certain areas close to the city.

We have also built a multi-modal transport terminal for goods carried by rail. It supports a cohesive and sustainable transport solution by allowing goods to be transported by rail rather than by road.

ENGAGE IN DIALOGUE AND BE OPEN ABOUT POSSIBILITIES

Port Esbjerg wishes to engage in open dialogue about the overall development of transport infrastructure, whether on a local, national, or international scale. We also wish to engage closely with the people of Esbjerg about providing access to the port area. Our ambition is to always be accommodative if our surrounding community wants to enquire about our business or to draw on our expertise.





PROMOTING GREEN FUELS

The power that Port Esbjerg provides for its customers at the port is entirely sustainable, sourced from wind. Port Esbjerg concludes agreements regularly with power providers, ensuring that its power consumption is based on wind. Port Esbjerg also takes part in several projects to promote the

development of green fuels for vessels. Port Esbjerg contributes know-how, invests in necessary infrastructure, and provides financial support to the innovation projects that it takes part in.



WASTE MANAGEMENT

Port Esbjerg makes consistent efforts to improve the sorting of the waste collected at the port. To this end, Port Esbjerg has developed a waste separation bin that supports efficient waste sorting and a good working environment, while also reducing waste volumes being incinerated or sent to landfill.

The system was developed in accordance with the MARPOL guidelines devised by the IMO, the UN's International Maritime Organization. This provides the optimum framework for Port Esbjerg to support the UN's and the IMO's sustainable development goals, including emission targets.

The volumes of waste in the different fractions are recorded digitally, so trends can be monitored, and the environmental impact may be assessed.





NEXT-GENERATION EMPLOYEES

The UN SGD House based at the port of Esbjerg is working to ensure that children learn about and participate in sustainability initiatives. It is important that the next

generation of employees are aware of sustainability issues. Port Esbjerg collaborates with the UN SDG House.



WORK AND LEARNING FOR ALL

Being an inclusive business, Port Esbjerg offers job trials and positions on reduced hours as well as student jobs and PhD candidate positions.



REDUCING CARBON EMISSIONS

In collaboration with an external technology partner, Port Esbjerg has developed a resource management system which monitors the energy consumption throughout the port and calculates CO2 emissions for all sections of the port. As a result of the information provided by the new system, Port Esbjerg has made targeted investments in shore power plants

enabling vessels to connect to onshore power. The resource management system has identified the specific locations with the largest environmental benefits of the investment, and as a result, the port's overall CO2 emissions have been reduced by more than 25 per cent.



PORT OF ESBJERG SAFETY COUNCIL

Port Esbjerg plays an active role in the port's safety council, where the various companies based at the port of Esbjerg meet to discuss safety measures. Among the most important

aspects of this work is to run joint campaigns across the businesses and other players based at the port.



ESBJERG PORT SERVICES

Port Esbjerg is a major contributor to Esbjerg Port Services, which provides services to the crews of vessels calling at the port of Esbjerg. Esbjerg Port Services offers seamen a chance to get away from their ships and spend a couple of hours in

pleasant surroundings, including sightseeing tours for the many nationalities visiting the port of Esbjerg and making sure they get a good impression of the city of Esbjerg and its surrounding areas.

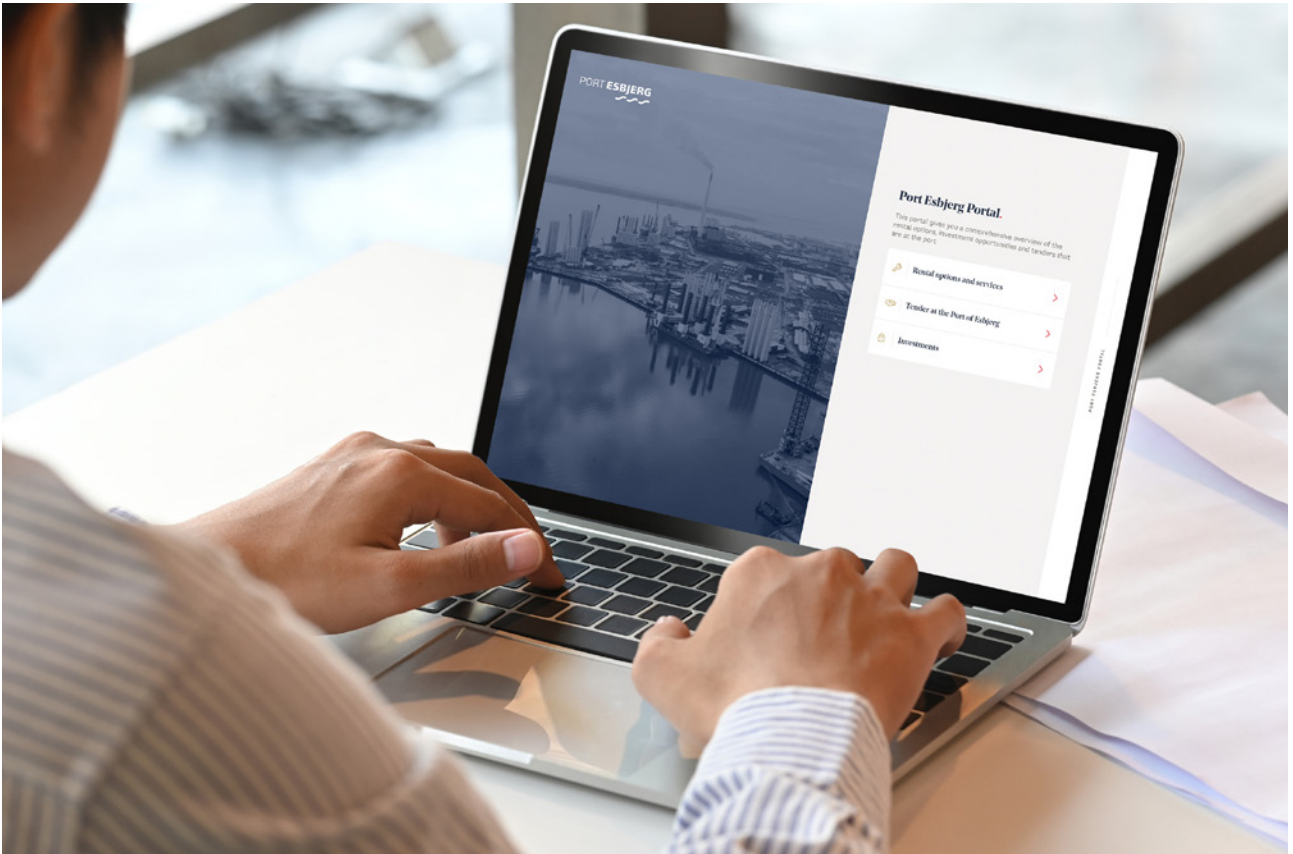




COLLABORATING FOR GROWTH

Port Esbjerg contributed to developing the 'Port Esbjerg Portal', which is intended to promote collaboration between companies based at the port and to ensure that the

opportunities for growth that may arise in the industries using the port are made available to as many businesses as possible.



DIGITALISATION FOR EFFICIENCY IMPROVEMENTS

Port Esbjerg subscribes to the importance of avoiding wasting resources. Digitalisation is one of the tools we use to help reduce our resource consumption. The 'One Port' digital tool is a case in point. Through One Port, employees can get direct online access to information, documents, and data from any digital platform. The system minimises response times, and we can optimise our planning in real time. For example, by monitoring the locations of containers and lorries, we can minimise wasted transport mileage when emptying containers and ensuring that containers are placed at the correct positions to match ship calls.





DEVELOPING A LOGISTICS DECARBONISER

Port Esbjerg recognises that the option available to vessels of connecting to an onshore power plant and, eventually, the opportunity to supply green fuels does not consider the emissions from the large number of lorries driving to and from the port every day. Port Esbjerg has therefore contributed

to developing a Logistics Decarboniser, a system which some forwarding companies use to keep CO2 emissions at a minimum when planning their routes across Europe. These calculations include the options of transport by road, rail, or ship.





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