Study tour
following the Polish offshore wind

PWEA

WIND INDUSTRY HUB

MAIN PARTNERS

SUPPORTING PARTNERS

Introduction

Ladies and Gentlemen,

It is with great pleasure to invite you to join us on this wonderful adventure along Poland's offshore wind energy route. The future of offshore energy is being created right here – in Poland! We are proud to organise the first ever study trip presenting the potential of domestic companies. Until now, we have admired foreign investments in the wind energy supply chain – today, we have reasons to be proud and can present a world-class Polish supply chain!

The offshore wind energy investment programme in Poland has entered the construction phase in 2025. The installation of the first offshore wind farm in the Polish economic zone of the Baltic Sea – Baltic Power – is proceeding successfully. At the same time, the PGE Group, together with Ørsted, is preparing to implement the Baltica 2 project – the largest offshore wind farm in Poland in terms of generation capacity, which, after obtaining the final investment decision, is currently in the preparation phase for construction.

As part of this already very intensive agenda, we will illustrate how, along with this new, large-scale source of green energy for consumers in Poland, a modern sector of the economy is emerging, based on the production of components, supplies and services for the offshore wind energy sector.

In recent years, port, production and infrastructure facilities have been built along the Polish coast, providing jobs for several thousand skilled workers, stimulating regional entrepreneurship and giving a boost to the development of the whole of northern Poland.

In order for this new sector, together with the full value chain, to develop, and for us, as a country, to participate as much as possible in the implementation of projects, a long-term plan and a reliable strategy for the development of wind energy sources. This is the element on which you, as our guests, have a huge impact by making decisions, formulating regulations and informing the public about offshore wind energy. The development of the sector is counting on your support.

Have a successful visit!

Janusz Gajowiecki
President of the PWEA

Agenda

Day I – September 3, 2025	
8:00-9:30	Visit to the Vestas factory – Group 1
8:30	Coach departure from Szczecin-Goleniów Airport
9:30-11:00	Visit to the Vestas factory – Group 2
11:00–12:15	Visit to Szczecin Shipyard “Wulkan”
12:15–14:15	Transfer to Świnoujście
14:15–16:00	Visit to Euro Terminal (tour and lunch)
16:10–17:15	Visit to Świnoujście Offshore Terminal
17:15–19:45	Transfer to Kołobrzeg
20:30–23:00	Gala dinner
	Accommodation – **Radisson Resort Hotel**

Day II – September 4, 2025

7:00–7:45	Breakfast at the hotel
7:45	Assemble
8:00–10:30	Transfer to Ustka
10:30–11:00	Meeting with the Ustka City authorities at the Grand Lubicz Hotel
11:00–11:30	Visit to the construction site of the O&M base in Ustka
11:30–13:15	Transfer to Łeba
	Lunch
13:15–16:15	Boat trip to the first OWF Baltic Power turbines
	Tour of the Baltic Power O&M base in Łeba
17:15–18:30	Visit to the construction site of the Baltica 2 Onshore Transformer Station in Osieki Lęborskie (Choczewo municipality)
18:30–21:00	Transfer to Gdynia
21:00–23:00	Gala dinner
	Accommodation – **Courtyard Gdynia Waterfront Hotel**

Day III – September 5, 2025

7:00–7:45	Breakfast at the hotel
7:45	Meeting
8:00–9:15	Transfer to Gdańsk
9:30–12:00	Visit to Maritime Advanced Research Centre (CTO S.A.) (welcome coffee, presentation of laboratories and research infrastructure)
13:00–16:00	Visit to GP Baltic and Baltic Towers (in two smaller groups – alternating presentations, tour of both plants, lunch)
16:30	The end of the study tour following the Polish offshore wind

Main Partners

The Baltic Power offshore wind farm – a joint venture between ORLEN SA and Northland Power – is the most advanced offshore wind project in Poland currently under construction. With a capacity of up to 1.2 GW, the farm will be able to cover up to 3% of the country's electricity demand (=1.5 million households), reducing CO2 emissions by 2.8 million tonnes per year compared to production from conventional sources. The installation campaign for the foundations and offshore turbines in the Baltic Sea is currently underway, as is the construction of onshore infrastructure in the municipality of Choczewo. In Łeba, a service and operations base has been in operation since April 2025, which will support the operation of the Baltic Power farm for 30 years. Construction is scheduled for completion in 2026.

www.balticpower.pl

Baltic Towers is one of the largest facilities of its kind in Europe. The offshore wind farm tower factory, located on Ostrów Island in Gdańsk, was established as a result of cooperation between Agencja Rozwoju Przemysłu S.A. and the Spanish company GRI Renewable Industries, S.L., becoming one of the key points on the map of European renewable energy. Thanks to its unique location with direct access to the waterfront and modern infrastructure, the plant enables efficient production and transport of large-size structures. The factory creates 500 highly specialised jobs, thus supporting the development of the region and Poland's energy transition.

www.baltictowers.pl

Euro Terminal, thanks to its strategic location in the port of Świnoujście, close to the open sea and in the vicinity of the S3 expressway, has been developing and specialising in the wind turbine transhipment services segment since 2011. With modern transhipment equipment, experienced staff and 20 hectares of storage space, it ensures efficient and safe handling of this demanding cargo.

www.euro-terminal.com

ORLEN Neptun is responsible for the development of offshore wind investments in the ORLEN Group. In 2023, the company received a decision to grant five locations for the construction of offshore wind farms in the Baltic Sea with a total capacity of 5.2 GW. ORLEN Neptun has also started construction of Poland's first offshore wind installation terminal in Świnoujście. Upon completion in 2025, it will be one of the most modern investments of its kind in Europe. In addition, the company is interested in developing offshore wind projects in other countries in the Baltic Sea basin.

www.neptun.orlen.pl

Ørsted, based in Denmark, employs 5,600 people who construct and operate offshore wind farms, bioenergy installations and innovative solutions for converting waste into energy, and provide customers with smart energy products. Ørsted's vision is a world that runs entirely on green energy. We are taking a number of steps to make this vision a reality. We are an energy company that has undergone a profound transformation – from a company dependent on oil and coal, we have become a global leader in offshore wind energy. As a leading developer of offshore wind projects, Ørsted has 5.1 GW of installed capacity offshore and a further 3.8 GW of offshore wind projects currently under construction. Ørsted's ambition is to install 11–12 GW of capacity in offshore wind farm projects worldwide by 2025.

www.orsted.pl

PGE Baltica is the PGE Capital Group's centre of excellence for the development, construction and operation of offshore wind farms. The company's portfolio includes eight projects in the Baltic Sea at various stages of development and with a total capacity exceeding 6 GW. The most advanced of these – Baltica 2 with a capacity of 1.5 GW and a planned commissioning date in 2027 – is being implemented in cooperation with Ørsted.

https://pgebaltica.pl/

The Szczecin Shipyard 'Wulkan' offers advanced solutions in offshore production and in the construction of ships and specialised vessels. It has a well-developed production infrastructure: halls, steel processing lines and painting facilities for large-size structures, quays and a wide range of logistics services. Thanks to advanced technology and many years of experience, it offers comprehensive and integrated solutions in steel construction. The shipyard brings together many partners from the offshore and shipbuilding industries.

www.stoczniawulkan.pl

Świnoujście Offshore Terminal is the first installation terminal for the offshore wind energy industry built in Poland by ORLEN Neptun. Officially opened in June 2025, it is one of the most modern facilities of its kind in Europe. It combines the functionality of traditional installation terminals and transhipment ports. The terminal is located in the Port of Świnoujście in Western Pomerania. It is situated close to the Polish-German border, which makes it possible to service projects in both countries. Its convenient location also allows it to provide services for Scandinavian projects.

www.swinoujscieoffshoreterminal.pl

Supporting Partners

Bota Green Offshore is a Polish company based in Gdańsk, part of the Bota Technik group. It specialises in services for the offshore wind energy sector in Poland and Europe, operating as a Crew Transfer Vessel (CTV) operator. The company has its own fleet, safety management system (ISM) and experienced crews, providing full technical and logistical support. Thanks to cooperation within the Bota group, it benefits from service facilities, workshops in Gdańsk and Szczecin, and a team of R&D engineers developing, among other things, a green CTV for the Baltic Sea. The company's goal is to provide modern and sustainable solutions supporting the development of offshore wind power in Poland and Europe.

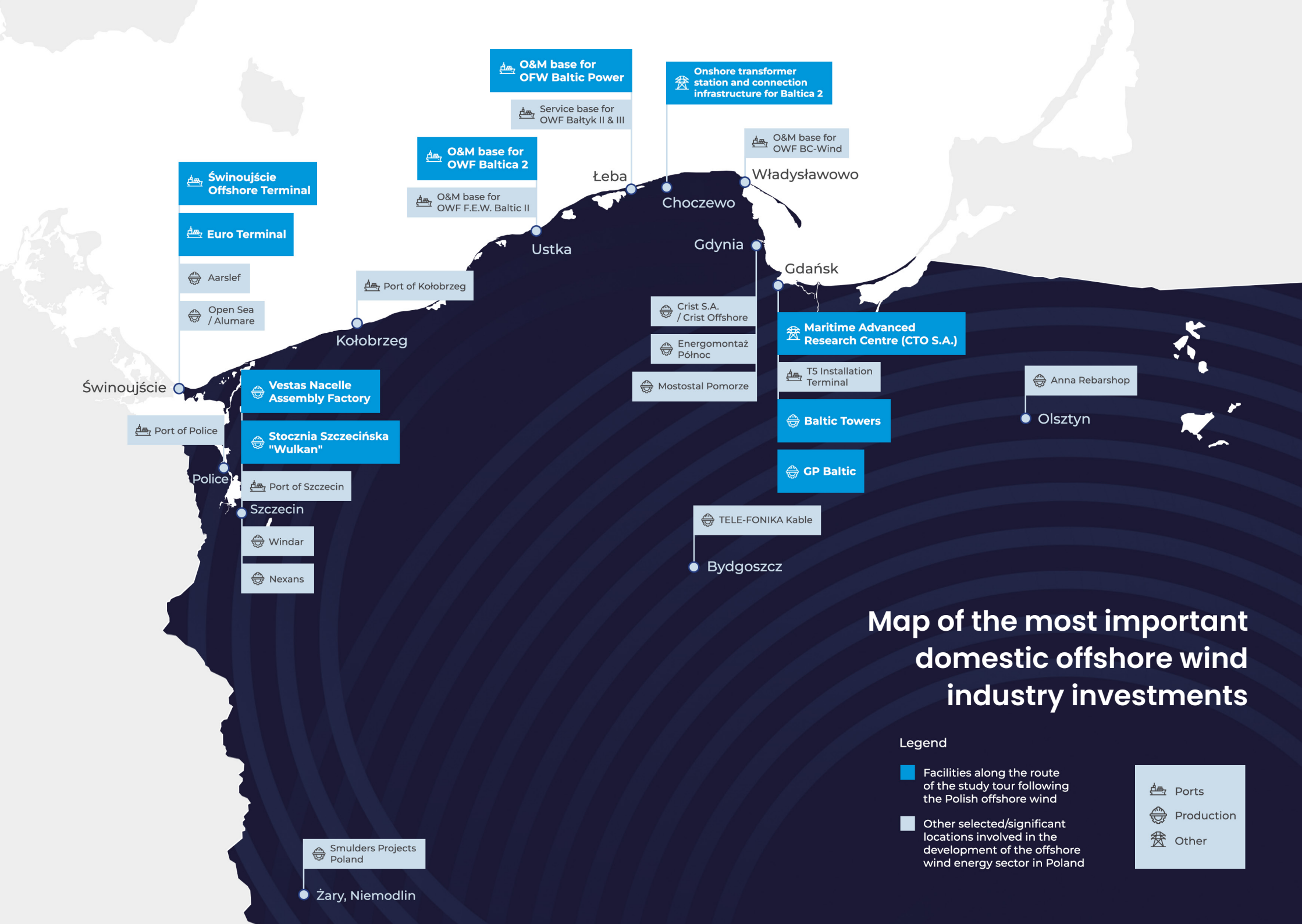
www.botagreenoffshore.pl

The Baltic Industrial Group is a holding company bringing together companies from the shipbuilding, wind energy and offshore sectors. The Group consists of Baltic Operator, Stocznia Gdańska, Energomontaż-Północ Gdynia and Gdynia Maritime Construction, whose core business is the production of advanced multidisciplinary steel structures for Polish and foreign customers in the offshore & onshore and shipbuilding industries. We are the largest manufacturer of offshore substations (OSS) and onshore wind towers in Central Europe.

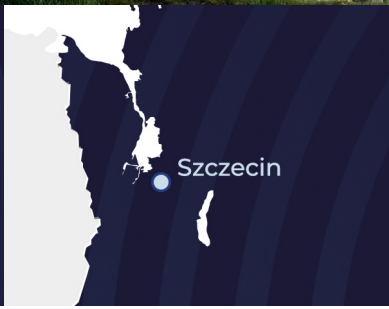
www.gpbaltic.pl

Vestas is a global partner in sustainable energy solutions. We design, manufacture, install and service onshore and offshore wind turbines, and with more than 190 GW of wind turbines in 88 countries, we have installed more wind energy than anyone else. Together with our customers, more than 35,000 Vestas employees, including over 1,700 in Poland, provide the world with sustainable energy solutions that power a brighter future.

www.vestas.com


O&M base for OFW Baltic Power
Service base for OWF Bałtyk II & III
Onshore transformer station and connection infrastructure for Baltica 2
O&M base for OWF BC-Wind
O&M base for Baltica 2
O&M base for OWF F.E.W. Baltic II
Świnoujście Offshore Terminal
Euro Terminal
Aarslef
Open Sea / Alumare
Port of Kołobrzeg
Łeba
Choczewo
Władysławowo
Ustka
Gdynia
Gdańsk
Crist S.A. / Crist Offshore
Energomontaż Północ
Mostostal Pomorze
Maritime Advanced Research Centre (CTO S.A.)
T5 Installation Terminal
Baltic Towers
GP Baltic
Anna Rebarshop
Olsztyn
Kołobrzeg
Świnoujście
Vestas Nacelle Assembly Factory
Port of Police
Stocznia Szczecińska "Wulkan"
Police
Port of Szczecin
Szczecin
Windar
Nexans
TELE-FONIKA Kable
Bydgoszcz
Smulders Projects Poland
Żary, Niemodlin
Map of the most important domestic offshore wind industry investments
Legend
Facilities along the route of the study tour following the Polish offshore wind
Other selected/significant locations involved in the development of the offshore wind energy sector in Poland
Ports
Production
Other

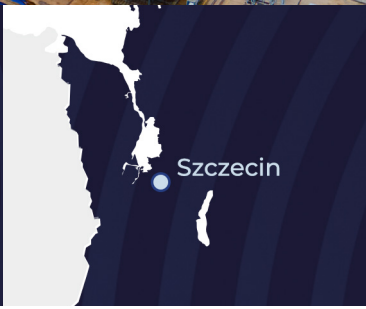
Vestas Nacelle Assembly Factory



Vestas®

The Szczecin factory producing nacelles for offshore wind turbines was established on the basis of the infrastructure of the bankrupt ST3 Offshore, which Vestas purchased in 2023 for PLN 170,500,002. After comprehensive modernisation and partial expansion, since the beginning of 2025, the new factory, called **Vestas Nacelle Assembly Factory**, has been producing nacelles for the V235-15MW™ turbine model. They are supplied not only to Polish offshore wind farms (Vestas is installing its 15 MW turbines at, among others, the first Polish wind farm, Baltic Power), but will also be shipped from Poland to other waters. Currently, the factory employs approximately 550 people, with the target employment planned for the end of this year. Vestas already employs over 1,700 people in Poland, of which almost 1,000 work in two production plants – the Nacelle Assembly Factory in Szczecin and the factory producing blades for onshore wind turbines in Goleniów.

Szczecin Shipyard ‘Wulkan’

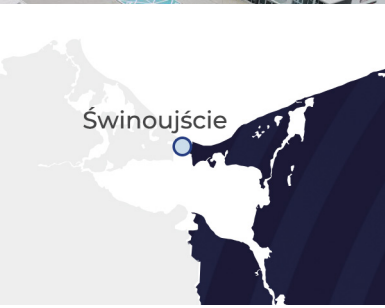


The Szczecin Shipyard ‘Wulkan’ intends to focus more strongly on fulfilling orders from the offshore industry. The shipyard’s infrastructure enables the implementation of the entire technological process of shipbuilding, including specialised vessels for the operation and servicing of wind farms and large-scale steel structures for the MEW and Oil & Gas sectors. The Szczecin Shipyard ‘Wulkan’ is a partner in meeting the most demanding challenges for private manufacturing entities operating in the SSW. It combines the competences of companies in the industry and supplements production capacity, guaranteeing timely execution of contracts. It occupies over 45 ha and 600 m of quay. The assets at its disposal are attractive for shipbuilding and large-scale marine structures.

Euro Terminal

Euro Terminal is a multi-purpose terminal with dedicated infrastructure for the transhipment and storage of a wide range of cargo. It comprises two main harbour basins for ship handling. It is the main centre for handling refrigerated cargo, and thanks to its adequate storage space and open storage yards, it is also developing as a centre for handling wood industry products, conventional general cargo and special (oversized) cargo. Euro Terminal operates 24 hours a day, all year round. Its mission is to provide the most cost-effective and reliable docking services in the region. It achieves this through close cooperation with customers, understanding their business, and tailoring its services precisely to their requirements.

Świnoujście Offshore Terminal



Świnoujście Offshore Terminal
GRUPA ORLEN

This key investment by ORLEN Neptun includes unloading, storage, preliminary installation and loading of all components for offshore wind farm projects with turbines of approximately 15 MW. The terminal's infrastructure has been designed to accommodate offshore transformer station superstructures weighing up to 24,000 tonnes. Its excellent location provides convenient access by rail, ferry, air and road. In addition, its inland location guarantees favourable weather conditions. The capacity of **Świnoujście Offshore Terminal** will ultimately amount to over 80 offshore wind turbines per year.

O&M base for OWF Baltica 2 in Ustka

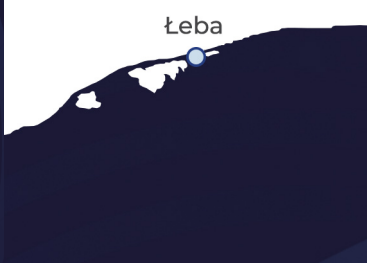
The operation and maintenance base in Ustka is an investment carried out by PGE Baltica. The facility is being built on an area of over 2.3 hectares in the port of Ustka, on the site of the former ‘Korab’ fish processing plant. The investment includes the construction of an administrative and social building, a warehouse, a manoeuvring yard, a quay adapted to handle fast service vessels (CTVs) and the development of green areas covering approximately 5,500 m². The project is an excellent example of the Polish industry’s commitment to the development of the sector – from the very beginning, more than 30 domestic entities have been involved in its implementation. The investment will also contribute to the creation of new jobs in the region. Construction work began in June 2025, and the investment is scheduled for completion in the fourth quarter of 2026.

OWF Baltica 2

baltica2 | by PGE & Ørsted

As part of the study visit, a tour of key investments for **the Baltica 2** project is planned: the construction of an operational and service base in Ustka, the construction of an onshore transformer station in Osieki Lęborskie, the construction of the T5 installation terminal in Gdańsk, and the installation port in Łeba. Baltica 2 is the largest offshore wind energy project of phase I in Poland, implemented by the PGE Group and Ørsted. The 1,498 MW farm will be able to supply green energy to approximately 2.5 million consumers, including households, schools, hospitals and businesses. The offshore part of the investment is located between Ustka and Choczewo. 107 turbines, each with a capacity of 14 MW, will be located on an area of approximately 190 km^2. The nearest turbine will be located approximately 40 km from the shore. The farm is scheduled to be commissioned in 2027. The project will contribute to reducing CO_2 emissions and strengthening Poland's energy security.

O&M base for OWF Baltic Power in Łeba



An operation and maintenance base has been built in Łeba to service the Baltic Power offshore wind farm (a joint project of the ORLEN Group and Northland Power). It is the home port for vessels transporting equipment and technical personnel responsible for maintaining the investment. The base will employ a total of approximately 60 people and will service the farm throughout its entire life cycle, i.e. a minimum of 25 years. The base includes a spare parts warehouse and a workshop. The quay will be able to accommodate vessels with a maximum length of 35 m. The base will be permanently serviced by 3–4 specialised vessels designed to transport equipment and service personnel. Each of them will carry up to 24 fully equipped technicians on board. The service port has been in operation since May 2025 and is currently supporting the offshore installation campaign.

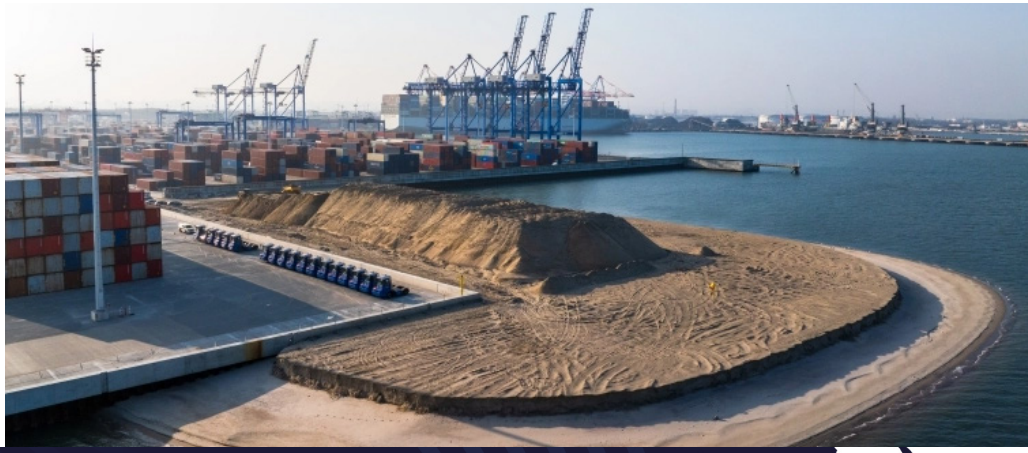
OWF Baltic Power

Baltic Power is only the second offshore wind farm in Europe to install 15 MW turbines, some of the largest available in the world. The V236-15 turbines are manufactured by the Danish company Vestas. The blades measure approximately 115 m and have a rotor area of over 43,700 m² (equivalent to more than 6 football pitches). The towers are over 120 m high, and the total height of the turbine, including the foundations, is 260 metres. The upper sections of the Baltic Power towers are made of recycled steel. Baltic Power is the first project to use this solution. The towers will be fitted with nacelles the size of a three-storey house. A single 15 MW turbine needs only 1 minute of operation to provide energy for a public transport bus to travel 100 km.

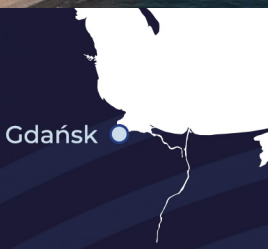
Photo taken by Polimex.

Onshore transformer station and grid connection infrastructure for Baltica 2

The onshore part of the Baltica 2 project, i.e. **the connection infrastructure** necessary for the operation of the offshore wind farm, is located in Osieki Lęborskie, in the municipality of Choczewo, in the district of Wejherowo, in the immediate vicinity of the PSE – SE Choczewo power station. The investment carried out by PGE and Ørsted includes an onshore transformer station and underground cable lines that will enable the transmission of electricity from the farm to the national power system. The cable route has been designed with care for the environment – it bypasses, among others, the Lubiatowska dune, which is part of a protected landscape. Thanks to the use of horizontal drilling technology (HDD), it is possible to lay cables underground, without interfering with sensitive ecosystems. Testing and commissioning of the station is planned for 2026–2027.

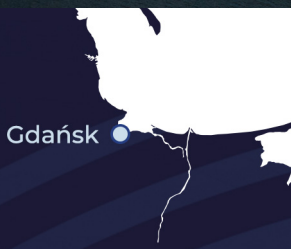


Maritime Advanced Research Centre (CTO S.A.)



Maritime Advanced Research Centre (CTO S.A.) in Gdańsk is a specialised research and development centre with unique expertise in the field of ship technology and the offshore industry. It conducts advanced hydrodynamic, strength and vibroacoustic research, supporting the design of modern vessels and offshore structures. It has specialist infrastructure, such as model basins and laboratories, which allow for accurate testing and simulations. Thanks to its extensive expert resources and many years of experience, CTO plays a key role in the development of technology for the maritime economy.

Baltic Towers



Baltic Towers was established in 2023 as a joint venture between Agencja Rozwoju Przemysłu S.A. and the Spanish company GRI Renewable Industries, S.L. and is implementing a project to build a new production plant for offshore wind farm towers. The total investment costs are estimated at EUR 200 million. The plant will provide 500 new jobs. The planned production capacity will be sufficient to manufacture over 150 towers per year. The 6.2-hectare production hall with heavy lifting capacity will be able to produce sections weighing up to 500 tonnes, 50 metres long and 11 metres in diameter. The factory began operations in May 2025 and will reach full production capacity by the end of this year.

GP Baltic

Grupa Przemysłowa baltic

The Baltic Industrial Group (GPB) was established by the Industrial Development Agency S.A. to integrate its subsidiaries operating in the shipbuilding and offshore markets. Its core offering is large-scale steel structures for the onshore and offshore wind tower and shipbuilding industries. GPB is a holding company integrating Baltic Operator, Stocznia Gdańska and Energomontaż-Północ Gdynia. GPB's mission is to actively participate in Poland's energy transition by building a Polish supply chain in the areas of offshore and onshore wind energy, oil, gas, hydrogen technologies, nuclear energy and modern solutions for the maritime sector. The companies affiliated with the holding company have extensive expertise and experience in the implementation of complex steel structures for domestic and foreign customers.

Organisers

WIND INDUSTRY HUB

The Wind Industry Hub Foundation was established in 2023 by the Polish Wind Energy Association, the largest industry organisation in Poland and a member of WindEurope, which has been in existence since 1999. The mission of the Wind Industry Hub Foundation is to develop a strong supply chain for the wind sector and to support the involvement of domestic industry in Polish and European wind investments. The Foundation's objective is to improve energy and economic security by ensuring an adequate industrial base in Poland.

Through its activities, Wind Industry Hub strengthens Polish companies in their expansion into foreign markets and develops the inflow of foreign investment into Poland. The Foundation guarantees the building of strong business relationships, the transfer of knowledge and technology, as well as support for the implementation of joint projects between domestic and foreign industrial entities operating in the wind sector. Through cooperation with the government administration and support for the business and legal environment, the Foundation co-creates a coherent industrial policy and the dynamic development of the Polish wind industry. The Foundation's objectives also include supporting Polish companies and institutions in the implementation of EU policy to strengthen the European industry supplying components for investments in climate-neutral energy technologies.

www.windindustry.pl

The Polish Wind Energy Association (PSEW) is a non-governmental organisation founded in 1999 to support and promote the development of wind energy in Poland. PSEW brings together around 200 leading companies from the wind energy sector operating on the Polish market: investors, developers, turbine and component manufacturers.

The PSEW's activities include active participation in consultations on legal acts (laws, regulations), strategies, policies and sectoral programmes, as well as close cooperation with decision-makers, education and dissemination of knowledge about wind energy. PSEW also organises the largest events in the wind energy industry, such as the PSEW Conference, the Offshore Wind Poland Conference and the Wind Farm Operators Forum.

www.psew.pl

Contact

Dominika Taranko
Vice-President
Managing Director

+48 503 140 467
d.taranko@windindustry.pl

Michał Forycki
Junior Specialist

+48 572 352 141
m.forycki@windindustry.pl

WIND INDUSTRY HUB

Wind Industry Hub Foundation
biuro@windindustry.pl

PWEA

Polish Wind Energy Association
biuro@psew.pl

PSEW/WIH office address in Szczecin
al. Wojska Polskiego 187/4-5, 71-325 Szczecin

PSEW/WIH office address in Warsaw
ul. Bagno 2, room 212 (7th floor), 00-112 Warsaw

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