

PROJECT OVERVIEW

The Curonian Nord offshore wind farm is set to be a game-changer in Lithuania's energy landscape:

Capacity:

The wind farm will have an installed capacity of 700 MW.

Location:

It will be situated at least 37 km offshore and approximately 50 km from the port of Klaipėda.

Area:

The project will cover a maritime area of about 120 km².

Energy Production:

Once operational, it is expected to generate around 3 TWh of clean electricity annually, meeting approximately 25% of Lithuania's current electricity needs.



We were extremely pleased with the exceptional services provided by the EPI Group team throughout the entire campaign. Their vast knowledge and expertise were invaluable assets, and we truly appreciate the proactiveness, flexibility, and ownership demonstrated at every stage. Their commitment to excellence and willingness to go the extra mile made a significant impact, and we are grateful for this partnership.

Dainius Stepanonis, Ignitis Group

Ignitis Renewables, part of Ignitis Group, an international green energy company operating in the Baltics and Poland, has embarked on a groundbreaking offshore wind farm project off the coast of Lithuania. This ambitious venture, known as Curonian Nord, is a joint venture with Ocean Winds. It will be the first offshore wind farm in the Baltic states. To ensure the successful development of this pioneering project, Ignitis Renewables sought expert support from EPI Group in several crucial areas during the site investigation phase.

Project Management and Consultancy

EPI Group provided a dedicated project management team to assist Ignitis Renewables throughout the development and survey phases. Their responsibilities included:

- Overseeing the site investigation survey design process
- Managing the tendering stages
- Coordinating survey activities

Specialized Expertise

Key personnel were engaged to provide geophysical and geotechnical project management support and technical assistance. EPI Group's experts were particularly focused on addressing the challenge of 3D boulder detection, which is a significant issue in the Baltic Sea region due to its glacial history. Precise boulder detection is crucial for:

- Optimizing wind farm layout
- Planning cable routes
- Determining turbine placements

Strategic Importance

The Curonian Nord project holds immense strategic value for both Ignitis Group and Lithuania:

- It aligns with Ignitis Group's strategy to develop an offshore wind portfolio in the Baltic states.
- The project contributes significantly to Lithuania's National Energy Independence Strategy, which aims to cover 100% of the country's electricity needs using renewable energy sources.
- It positions Lithuania as a pioneer in offshore wind development among the Baltic states.

Economic and Environmental Impact

The development of Curonian Nord is expected to bring substantial benefits:

- **Economic Boost:** The project will attract private investments, create high-skilled jobs, and stimulate local businesses.
- **Community Support:** Ignitis Renewables has committed to contributing approximately €3 million annually to nearby municipalities based on electricity generation.
- **Environmental Protection:** The Curonian Nord project team is conducting thorough environmental impact assessments to ensure the protection of the Baltic Sea's ecosystem while expanding green energy production.

Conclusion

The Curonian Nord offshore wind farm represents a significant leap forward in Lithuania's renewable energy sector. With expert support in critical areas such as project management and geological challenges, Ignitis Renewables is well-positioned to successfully deliver this pioneering project, setting a precedent for future offshore wind developments in the Baltic region.



About EPI Group

KEY SERVICES

Geoscience and survey support

EPI's team of in-house technical specialists has deep expertise designing, procuring, managing, supporting and interpreting geoscience surveys.

Client representation

EPI is a market leader in the provision of offshore client representatives worldwide. Our dedicated, experienced team oversees resourcing and quality.

Environmental monitoring

EPI has superior knowledge in providing offshore environmental observation services for marine mammals and protected species, including acoustic monitoring.

Safety, risk and compliance

EPI provides practical support developing, implementing and monitoring safety, environmental, and quality measures – onshore and offshore.

Technical advisory

EPI offers independent expert advice on a range of technical and commercial topics related to the services we provide and built on years of experience in the markets in which we operate.

EPI Group is a global leader in providing of specialist survey support and environmental services to the energy industry worldwide.

Passionate, practical and highly knowledgeable about the energy sector, our team has been delivering independent, intelligent, and commercial solutions for clients for over thirty years.

We cover established and emerging sustainable energy technologies including offshore wind, onshore wind, wave power and tidal energy, geothermal, and carbon capture and storage.

We plan and we act – and we'll mobilise the best people for the job for you. We are the energy people.

EMEA & Headquarters:

United Kingdom
EPI Ltd
Sentinel House, Harvest Crescent
Ancells Business Park
Fleet, GU51 2UZ

Americas:

United States
EPI Group US Inc.
16225 Park Ten Place, Suite 500
Houston, Texas 77084

Asia Pacific:

Australia
EPI Group Australia Pty Ltd
Suite 169, 580 Hay Street
Perth, WA, 6000

For more information, visit: epigroup.com

