

LITHUANIA

offers a clear map for sustainability in manufacturing

Lithuania has had sustainability on its agenda since the early years of its independence. The strides it made since 1990 have been significant, with a 58% decrease in greenhouse gas emissions. The country has also pledged to generate 100% of the country's electricity from renewable sources by 2050. Moreover, the government has introduced ambitious energy efficiency targets, aiming to reduce GHG emissions by 55% by 2030¹. These concrete goals and extensive investments in renewable energy generation capacity signal Lithuania's firm commitment to sustainability. In other words, Lithuania is more than ready to offer manufacturing companies a clear roadmap to integrate environmentally friendly practices into their operations while capitalizing on the nation's green initiatives for long-term growth and competitiveness.

¹ Source: Lithuanian Energy Institution, compared to the levels recorded in 2020

Green energy for sustainable manufacturing



1.4GW

By 2028, Lithuania is planning to operate a **1.4 GW offshore wind farm**

Source: The Lithuanian Energy Agency, 2022



8th in the EU

by the share of renewable energy in total energy consumption

Source: Ministry of Energy, 2023

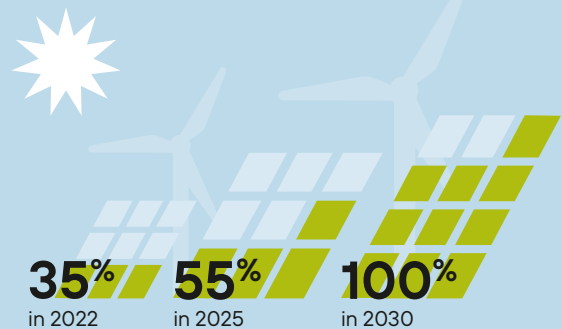


€268M

to fund diverse renewable projects and enhance enterprise efficiency, reducing reliance on fossil fuels

Source: Ministry of Economy and Innovation, 2023

Expected share of renewable energy in the final balance of electricity consumption in Lithuania



National energy and climate action plan of the Republic of Lithuania 2021-2030

Sustainability in figures:

70%

In 2023, 70% of the country's total energy output was produced from renewable sources

Source: Ministry of Energy, 2024

€696M

earmarked for renewable energy expansion under the LT100 support scheme

Source: Ministry of Finance, 2023

2.8GW

of offshore wind power to be generated in Lithuania by 2040

Source: Ministry of Energy, 2024

Sustainability in action - KLAIPĖDA PORT ELECTROLYSER²

In 2026, Klaipėda will be equipped with Lithuania's first public hydrogen refuelling station, which will be accessible to both businesses and individuals. Hydrogen will be conveniently available for refuelling ships, cars, trucks, and buses. The mobile hydrogen refuelling station will also allow hydrogen to be delivered to wherever it is needed.

The hydrogen plant will be installed in a standard 40-foot sea container. It will have a capacity of up to 300 t/year and power production of 2 MW. By 2030, Lithuania hopes to generate 129 000 t of green hydrogen per year.

² Source: Port of Klaipėda



Highlights from Invest Lithuania sustainability survey

75%

of the companies that took part in Invest Lithuania's sustainability survey see process innovation and energy efficiency optimization as their top sustainability-related priority for 2024-2025.

88%

of survey participants note that they already have renewable energy systems (photovoltaic, solar collectors, wind, hydro plants, etc.) on site, or plan to introduce them in the upcoming year.

90%

of survey participants already employ, or plan to employ, automation and robotics tools in order to streamline repetitive tasks in their production.



Manufacturing stories showing the full spectrum of ESG in Lithuania

Environmental, Social, and Governance (ESG) criteria are vital for modern manufacturing companies, guiding them toward sustainable, ethical, and responsible operations. By integrating ESG practices, companies can reduce environmental impact through greener processes, uphold social responsibility by ensuring fair labour practices and community engagement, and adhere to ethical governance with transparency and accountability.



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