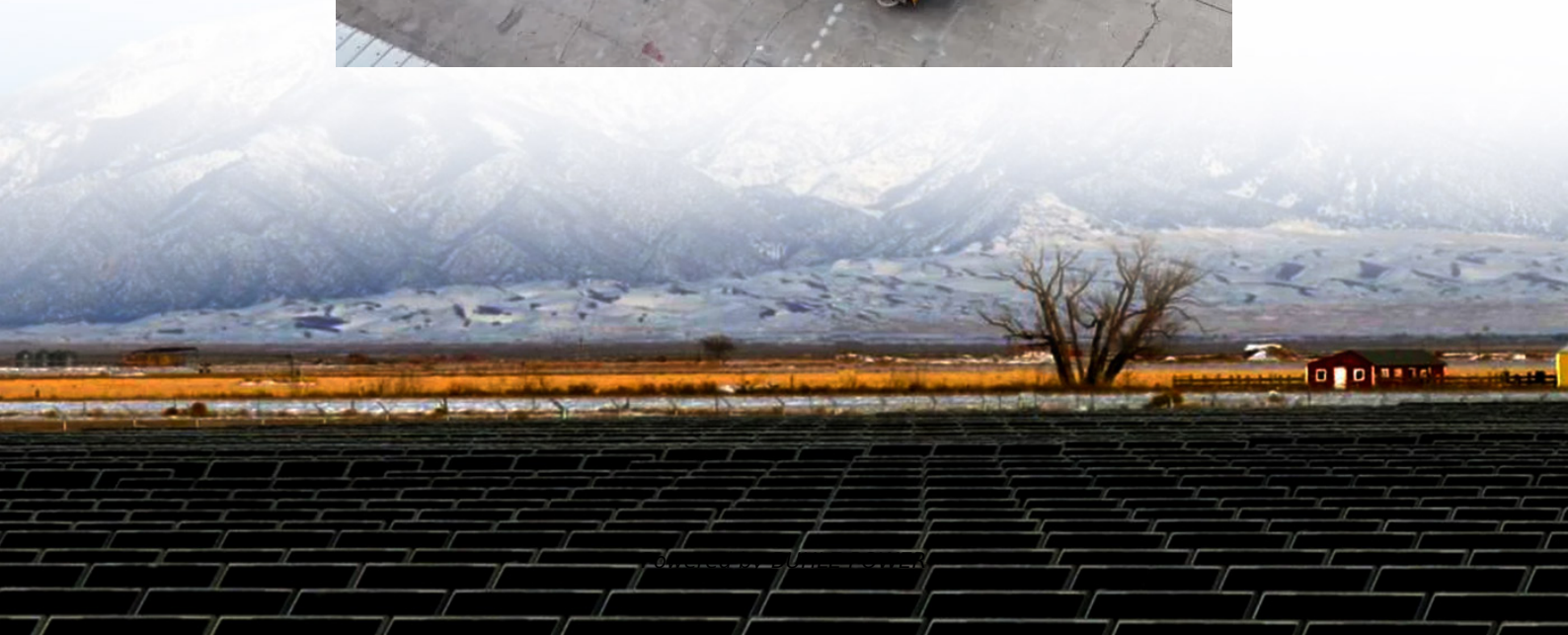


Brussels outdoor power production





Overview

How much electricity does Belgium produce?

Like in the rest of Belgium, electricity in Brussels is produced from a variety of energy sources, including nuclear, gas, wind and solar. In 2023, Belgium produced around 76,000 GWh, 28.2% of which came from renewable energy sources. In the Brussels Region, electricity consumption amounted to 3,823 GWh in 2023. 2. Transport (Elia).

How can Belgium boost low-carbon electricity generation?

To boost low-carbon electricity generation in Belgium, a strategic focus on expanding existing nuclear, wind, and solar infrastructure is essential. Belgium can take inspiration from France, where nuclear energy provides a substantial 68% of electricity, showcasing a successful model for increasing sustainable energy delivery.

How is electricity distributed in Brussels?

3. Distribution (Sibelga) From the Elia network (150,000 of 36,000 volts), the electricity is then fed into Sibelga 's high-voltage network via 46 supply substations spread throughout the Brussels region. The voltage of the electricity is reduced in these substations, so that it can be distributed safely.

How much electricity does a wind farm produce in Belgium?

Offshore wind farms in the Belgian sector of the North Sea were able to produce a record amount of electricity in 2023. A total 8 terawatt-hours of electricity were generated by Belgian off-shore windfarms. This is roughly equivalent to the annual consumption of 2 million households.



Brussels outdoor power production



[Energy statistics by economic sector and by energy source](#)

The Directorate-General Energy produces and publishes annually energy statistics by economic sector and by energy source. These figures provide an overview of the produced, traded and ...



[Belgium Electricity Generation Mix 2024/2025 ...](#)

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Belgium

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Report 2023 Belgium

Nov 29, 2024 · All nine wind farms (399 wind turbines) in the Belgian North Sea have been fully operational since December 2020. This means 2023 is the third year with fully installed gener ...



[Record amount of electricity produced by Belgian offshore...](#)

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[Belgium generates more electricity by wind and solar than ...](#)

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[The electricity network: the beating heart of the city](#)

1. Production Like in the rest of Belgium, electricity in Brussels is produced from a variety of energy sources, including nuclear, gas, wind and solar. In 2023, Belgium produced around ...

[ENERGY PROFILE Belgium](#)

Additional notes: Capacity per capita and public investments SDGs only apply to developing areas. Energy self-sufficiency has been defined as total primary energy production divided by ...



[Electricity mix 2023: Belgian renewable generation reaches ...](#)

Jan 8, 2024 · Total annual wind and photovoltaic generation in Belgium reached an all-time high (21.5 TWh or + 23%), accounting for 28.2% of the electricity mix (19,8% in 2022). More than ...



Energy sector in Belgium

Apr 17, 2025 · In line with the EU's energy targets, Belgium has become largely reliant on nuclear energy and around 46.4 percent of the country's total electricity production was from nuclear ...



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