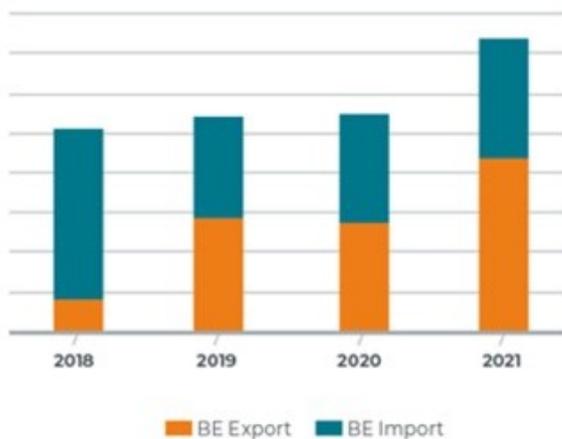




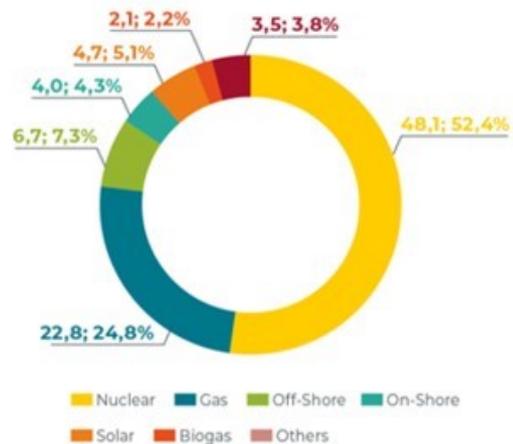
Electricity generation mix 2021: record number of exports due to slight increase in production of renewable energy and a stable nuclear fleet

In 2021, renewable energy production and exports reached a new record, according to figures Elia collected on the electricity generation mix. The slight increase in generation from renewable sources led to a new daily record of 6,420 MW set on 21 May. The high availability of nuclear generation resulted in a reduction in the share of gas and an increase in exports. Electricity consumption gradually returned to normal, after the drop in 2020 during the coronavirus pandemic. The average monthly price of electricity on the day-ahead market hit an all-time high in 2021.

Cross-border electricity exchanges



Electricity generation mix 2021 (TWh;%)



[Read more](#)



Elia welcomes government decision on energy island

The Council of Ministers approved the concept of the energy island on Thursday, 23 December. The artificial island is an extension of the Elia grid in the North Sea. Thanks to the approval, Elia can now continue developing the project. The energy island is a response to the European Green Deal's climate goals and will serve a double function. It will enable the connection of new offshore wind farms and can serve as a landing point for interconnectors. The man-made energy island is a first step in developing an integrated offshore grid at European level.

[Read more](#)



Elia Group CEO appointed chairman of REEF

Elia Group CEO Chris Peeters will assume the chairmanship of the Roundtable for Europe's Energy Future (REEF) in January 2022. REEF brings together executives from various segments of the energy industry. As a sounding board for European policymakers, the organisation contributes ideas about the practical implementation of the energy transition. The Roundtable meets several times a year for open discussions with key players in European energy policy, such as representatives of the European Commission, the Council of the European Union and the European Parliament.

[Read more](#)

50Hertz commissions power-to-heat unit

Transmission system operator 50Hertz, in collaboration with utility company SWS Energie GmbH (SWSE), has commissioned a power-to-heat (PtH) unit in the German state of Mecklenburg-Western Pomerania. PtH technology ensures that all renewable energy is used. The new unit will convert wind energy that cannot be connected to the grid (due to congestion) into green district heating for the Hanseatic City of Stralsund. With a capacity of 6.5 MW, it is the most powerful of the three units that 50Hertz is connecting to the grid together with its partners.

[Read more](#)

50Hertz launches Together, Faster, Climate-Neutral campaign

Together, Faster, Climate-Neutral is the title of a new publication from 50Hertz that sets out measures for accelerating the energy transition. 50Hertz collaborated on the project with energy and industrial companies and scientists. The publication outlines workable and concrete proposals for the new federal government to achieve the objectives set out in the recent coalition agreement.

[Read more](#)



Elia publishes first Green Finance Framework

The Green Finance Framework aligns Elia Group's financing strategy with its goal of accelerating the energy transition. It describes how we are gearing our investments towards projects with clear environmental benefits, in line with the Act Now sustainability action plan. This is the first time that Elia Transmission Belgium (ETB) – the Belgian subsidiary of Elia Group – has developed such a plan.

[Read more](#)



Installing markers on high-voltage lines works

Installing markers on high-voltage lines leads to 75% fewer bird collisions, according to a Natuurpunt study commissioned by Elia. Markers ensure that birds see a high-voltage line sooner so they can avoid colliding with it. Natuurpunt monitored an overhead line in Noordschote before and after markers were installed. The findings are clear: after installing markers, the number of bird collisions plummeted 75% to 95%. Elia plans to install markers on about 200 km of the highest-risk high-voltage lines by 2030.

[Read more](#)



Elia organises site visits for children

In Maldegem (West Flanders) some 20 children between the ages of 10 and 12 came to watch an overhead line being dismantled. The works are part of the final phase of the Stevin project. The aim is to make children enthusiastic about the energy sector and to teach them about what Elia does. To that end and in collaboration with the Technical Academy in Maldegem, project leaders sometimes give explanations about electricity and the energy transition on Wednesday afternoons.

[Watch the report](#)

INNOVATION NEWS

Elia Group organises innovation week in Berlin

Elia Group held an innovation week early last month under the theme of Co-creating the future together with our ecosystem. Together with 15 external partners, our colleagues presented the most innovative projects in five key domains: System Operations, Consumer Centricity, Infrastructure, Asset Management and Offshore. Employees could either attend the show in person at 50Hertz headquarters or take a virtual tour. In the videos below we introduce you to two projects: green tracking and the digital passport.



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Interconnections



System services



Consumption & generation



MNA data



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