

New adequacy and flexibility study for Belgium

As provided in the Belgian Electricity Act, Elia is required to calculate, every two years, the adequacy and flexibility needs for the coming decade. To maintain security of supply in the period 2022-2032, special attention must be paid to the impact of the nuclear exit and the changes brought about by the European Green Deal. The study contains three key messages: the urgent need for new capacity, the need for a support mechanism and the preparation for a climate-neutral society. The calculations are based on the latest European methodologies and include input from various stakeholders.

[Read the press release](#)

Elia Group launches consumer-centric market model

The advent of electric cars and heat pumps will lead to consumers interacting differently with the grid. Towards a Consumer-Centric and Sustainable Electricity System describes what needs to be done so that consumers can better gear their consumption to the needs of the power grid. Doing so is necessary in order to integrate renewable energy efficiently and to enable the decarbonisation of our society. With the publication of its white paper, Elia Group aims to kick off the debate on enabling consumer-centric energy services. Elia Group wants to involve all market parties and is organising its first hackathon in October to develop new energy services. Interested parties can already register.

[Read the press release](#)



The white paper was presented virtually during a live-on-tape recording. Watch the video!



Towards a Consumer-Centric and Sustainable Electricity System can be read online.

Our stakeholders on the consumer-centric market model



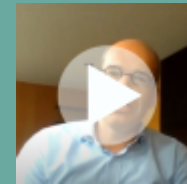
Johan Thijs
CEO KBC Group

"The changing expectations of consumers can also be seen in other sectors. With the introduction of KBC MOBILE we invested heavily in digital services for our clients. KBC and Elia have to respond to future needs."



Max Viessmann
Co-CEO Viessmann

"We already have the technology and the solutions today. But this is only half the story. Putting the user fully in control of their own energy usage, through digitalisation, is just as important."



Pieter-Jan Mermans
Entrepreneur

"Elia in Belgium was at the forefront of a market design for industrial demand side response. It made the balancing market much more liquid."

Solar eclipse shows need for flexibility

On 10 June 2021, a partial solar eclipse cast a shadow across much of Europe. During the eclipse, electricity generation from solar energy in Belgium decreased by 15%. Due to the growing proportion of renewable energy in the energy mix, the impact of natural phenomena, such as solar eclipses and storms, on the electricity system is increasing. Federal Energy Minister Tinne Van der Straeten visited the National Control Centre to see how Elia is dealing with these kinds of unusual situations. The impact of this eclipse on the Belgian electricity system was minor and perfectly under control.



[Read the press release](#)



Fit for 55

Elia Group welcomes the European Commission's initiative to work on the concrete implementation of the European Green Deal and to review existing legislation. As a driving force behind the energy transition, Elia Group aims to contribute to the ongoing and upcoming policy debates on the Fit for 55 legislative package. To that end, Elia Group has published a number of important items for attention on its website.

[More information](#)



Land cable for Ostwind2

50Hertz's Ostwind2 project is making good progress. The land cables that will carry power generated by the Arcadis Ost 1 and Baltic Eagle wind farms from the offshore connection point to the Lubmin substation have been successfully laid. In order to limit the environmental impact of the works, underground protective pipes were installed using horizontally controlled drilling technology and the 3-km land cables were then pulled through the pipes. 50Hertz is now one step closer to connecting a new offshore wind zone in the Baltic Sea.

[Read the press release](#)



Project also progressing at sea

Work on the Arcadis Ost 1 offshore platform is also on schedule. Located northeast of the island of Rügen, this is Belgian wind developer Parkwind's first foreign project. The platform was transported from Gdansk (Poland) to a shipyard in Aalborg (Denmark), where assembly of the electrical equipment will start in August. The offshore installation phase will start in 2022 and the wind farm should be fully operational in 2023.

Collaboration with Spanish system operator

The Belgian and Spanish transmission system operators, Elia and Red Eléctrica de España (REE), are launching a unique



partnership to make transmission system operation more efficient. A joint expertise centre for the development of innovative methods for grid management will be created. Elia and REE will also further develop the SAGA platform, which both now own. This platform uses artificial intelligence to optimise asset management. With their innovation pact – the first of its kind in Europe – both companies aim to develop additional know-how and expertise to respond to the challenges of the energy transition.

[Read the press release](#)

Chris Peeters visits Flemish Parliament

Elia Group CEO Chris Peeters attended a hearing in the Flemish Parliament on the comparable allocation of governmental powers with respect to energy policy. Elia complies with the regulatory framework and advocates a clear delineation of powers or efficient cooperation between the regions of Belgium. After examining the division of powers, they zoomed in on infrastructure investments that are important to Flanders in the context of the energy transition. The importance of consumer-centricity was also discussed.



Nesting boxes for kestrels

Elia works with local residents, farmers and nature conservation groups to improve biodiversity near its overhead lines. Nesting boxes hanging from high-voltage pylons are a popular place for kestrels thanks to their location: high and near agricultural land. Farmers also benefit: less crop loss because the birds of prey chase away mice and other small rodents. Over the past 15 years, more than 300 young have been born in the nesting boxes between Tienen and Sint-Truiden.



Nature conservation by horses

In Langerbrugge near Ghent, two horses have recently started grazing in the meadows next to our high-voltage substation. The land is owned by Elia, but is not currently being used, which is why Elia decided to deploy horses to manage the area by grazing. The horses keep the vegetation low and safe, while also ensuring that biodiversity recovers naturally.

[Read the press release](#)

[Watch the video](#)

GRID DATA



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