



Elia presents its plans for Princess Elisabeth Island

Elia presented its draft plans for the world's first artificial energy island to members of the press and federal Ministers Tinne Van der Straeten (Energy) and Vincent Van Quickenborne (North Sea) at the start of this month. The Princess Elisabeth Island will be located approximately 45 km off the Belgian coast and will serve as the link between offshore wind farms in the second offshore wind zone (3.5 GW) and the onshore high-voltage grid. The energy island will also be the first building block of a European offshore electricity grid and will serve as the landing points for interconnectors with Great Britain and Denmark.

[Watch a video outlining Elia's plans for the island](#)

[Watch a video about the ministerial visit to the MOG](#)

[Read the press release](#)

Elia Group presents update on ActNow programme



The current crisis has demonstrated that the energy transition is supporting both the fulfilment of climate objectives and our socioeconomic prosperity. Targets for renewable generation are being raised and deadlines brought forward. What are the consequences of this and how is Elia Group handling them? During a livestreamed event, we zoomed in on concrete projects linked to our ActNow programme, which consists of various dimensions that aim to make our electricity system more reliable and robust.

[Watch a recording of the event](#)

50Hertz hosts Baltic Sea conference



50Hertz's first Baltic Sea Conference, held on 12 September, called for more European cooperation. More than 100 experts and managers from the worlds of business and politics met in Berlin to discuss how the offshore wind energy potential in the Baltic Sea can be developed as efficiently as possible. At the conference, the Danish Ambassador and German State Secretary both emphasised the relevance of a safe and sustainable energy supply through renewable energy.

[Watch the video](#)

[Read the press release](#)

Building permission granted to 50Hertz for major grid reinforcement project



50Hertz has been given the permission to finalise the replacement of the high-voltage line (approx. 100km) that lies between Saxony and Thuringia. The new line will replace the old one that is being dismantled. 50Hertz has already started upgrading the western section of the line and will now tackle its eastern section. After it is commissioned in 2025, the new high-voltage line will transport up to 40% more electricity.

[Read more](#)

Collaboration with Elli (Volkswagen Group) officially launched



Elia Group and its digital start-up re.alto signed an MoU with Elli to accelerate the integration of electric vehicles into the electricity system. As increasing amounts of intermittent renewable energy are integrated into our energy system, it is becoming more difficult to ensure that the supply of electricity meets the demand for it. Electric vehicles will be able to provide a significant part of the flexibility that the electricity system will need in future. Electric vehicles can provide a significant part of the flexibility that the electricity system will need in the future.

[Read more](#)

2000 home batteries used as one virtual power plant in Belgium



More than 2000 families in Flanders are helping to maintain the balance of the Belgian electricity grid via their home batteries. The charging patterns of their home batteries are being used to store solar energy when there is lots of sunshine and then offer it up to Elia's balancing market when necessary. That is good not only for a stable electricity grid, but also for these consumers. They are rewarded for the flexibility they are providing without having to sacrifice comfort. The technology from Smart E Grid/Opteco has already brought together about 2000 home batteries.

[Read more](#)

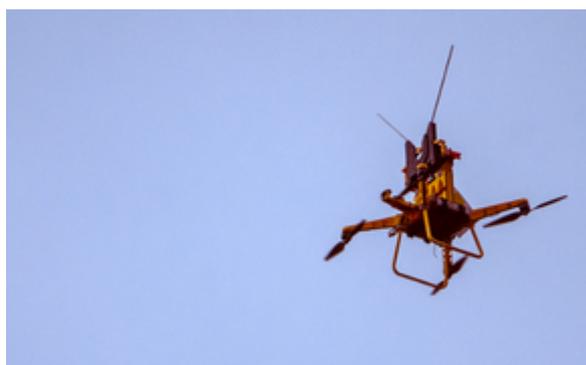
NextEra (USA) and WindGrid (Elia Group) sign cooperation agreement



The American company NextEra Energy Transmission MidAtlantic and WindGrid (Elia Group's newest subsidiary) have joined forces to work together on a joint proposal for developing and constructing offshore wind transmission infrastructure in the U.S. state of New Jersey. The proposal will be submitted to the Board of Public Utilities (BPU). NextEra is counting on the expertise that WindGrid and its parent company Elia Group have in developing, constructing and operating offshore electricity transmission projects.

[Read more](#)

Elia deploys drones to install bird markers along high-voltage lines



Following changes to the European regulatory framework, for the first time in Belgium, bird markers have been installed along high-voltage lines using drones. The markers were placed along the lines using specially designed drones that had been specifically adapted for that purpose. A total of 600 diverters were installed along parts of the Harmignies-Ville-sur-Haine and Harmignies-Cipty lines.

[Read more](#)