



Belgian Pavilion at Dubai World Expo opens with support from Elia

The 35th World Expo has kicked off in Dubai under the slogan Connecting Minds, Creating the Future. The opening event was dedicated to the global energy transition. Elia Group CEO Chris Peeters discussed the challenges of a fossil-free society with BESIX and DEME. The Gulf region can play an important role in greening our energy-intensive industry. Belgian expertise is among the best in the world. This is the first World Expo to be held in the Gulf region, an area where Elia Group is active via its consultancy Elia Grid International.

[Read the press release](#)

[Watch the video](#)



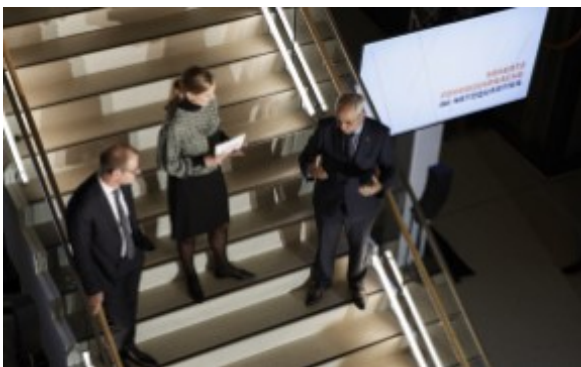
There is a great deal of interest in our three-day hackathon on consumer-centricity set to kick off on 13 October at Maison du Bois in Brussels. At the event 120 participants will be on the lookout for specific ideas and digital concepts for better aligning consumers' consumption behaviour with the needs of the power grid. To bring future energy services to life, we are focusing on five concrete topics. To this end, Elia Group is working with several partner companies. The three best ideas will be developed further. You can watch daily event updates on [LinkedIn](#).

[More information](#)

50Hertz invests in renewable heat

In the town of Wedel (near Hamburg) the ground has been broken for a unique power-to-heat project. 50Hertz is building a facility that will convert wind energy into heat, in line with the needs of the power grid. The 80 MW unit will enable 27,000 families to heat their homes and will also help prevent congestion on the grid. If there is too much wind in the north, 50Hertz can activate the unit and convert the excess energy into heat.

[Read the press release](#)



In the meantime, a series of debates has begun to discuss a consumer-centric market design together with the energy sector. Elia Group published a vision paper on this topic in June '[Towards a Consumer-centric and sustainable electricity system](#)'.

Stakeholders will have three opportunities to give their feedback, which will be taken into account in the next round table. The first was in late September. The next sessions will be on Friday 29 October and Monday 29 November. Interested parties can still register.

[More information](#)



Round table with German industry

Transmission system operator 50Hertz wants to help industrial companies decarbonise their production processes. To that end, it organised a number of round tables on key topics: research and innovation for climate-friendly industrial transformation, the heat transition, the role of the hydrogen economy and the energy transition in general. More than 300 participants from different industries

took part, along with politicians and experts.

[Read the press release](#)



50Hertz lowers costs

Lower congestion management costs have enabled 50Hertz to reduce its cost base (the so-called revenue cap) by approximately 2%. However, grid fees are up slightly. Grid costs in Germany are distributed nationally. The increase is hardly noticeable for private homes in Berlin, Hamburg and the federal states of eastern Germany.

[Read the press release](#)

CRM auction on track

All candidates for the CRM fee submitted their applications by the end of September. The capacity remuneration mechanism aims to ensure that sufficient capacity is available to handle the nuclear phase-out. The applications will be examined in detail and then forwarded to CREG for validation. The results of the auction will be published on our website by end of October.



High-voltage line upgraded by helicopter

A helicopter has been used to install nylon cables above the north-south connection between Hechtel-Eksel and Peer. This operation was necessary so that new electricity lines can be installed afterwards. Elia is upgrading the

Massenhoven-Van Eyck high-voltage line in the region so that more electricity can be transmitted. This will make the Belgian electricity grid more robust and ensure it remains just as reliable despite the major changes brought about by the energy transition.



Ruien-Chièvres project

Elia has applied for planning permission for the Ruien-Chièvres project. The 150-kV connection between Ruien and Chièvres has reached the end of its life and will be replaced by a 35-km underground cable passing through seven municipalities. In addition to an information meeting, Elia has set up three moments of permanence to keep local residents better informed.

More information: [Ruien-Chièvres \(elia.be\)](https://elia.be).



Avelgem-Avelin project

The teams working on the Avelgem-Avelin project have started to replace the electrical conductors. Work on the pylons and foundations has been completed. The Avelgem-Avelin 380-kV overhead line is part of the backbone of the 380-kV network and is important, among other things, for exchanging electricity between Belgium and France. The work should be completed in 2022.



Elia at the Municipalia trade show

Elia was present at Municipalia for the third time. Municipalia is a trade show in Wallonia for civil servants and local and regional authorities, and an interesting opportunity to meet our many stakeholders, who flocked to the Elia booth to learn more about innovative virtual reality projects, our sustainability programme ACT NOW and the consumer-centric market design.

Elia makes overhead line more visible to birds

Bird flight diverters have been installed on the overhead line near the Eau d'Heure lakes in Wallonia. Flight diverters make overhead lines more visible to birds, reducing collisions. Elia is installing bird markers in response to the findings of a study that identified those lines in Belgium that pose the highest risk to



birds. Belgium has more than 5,600 kilometres of overhead electricity lines, of which 6% pose a high risk to birds.

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