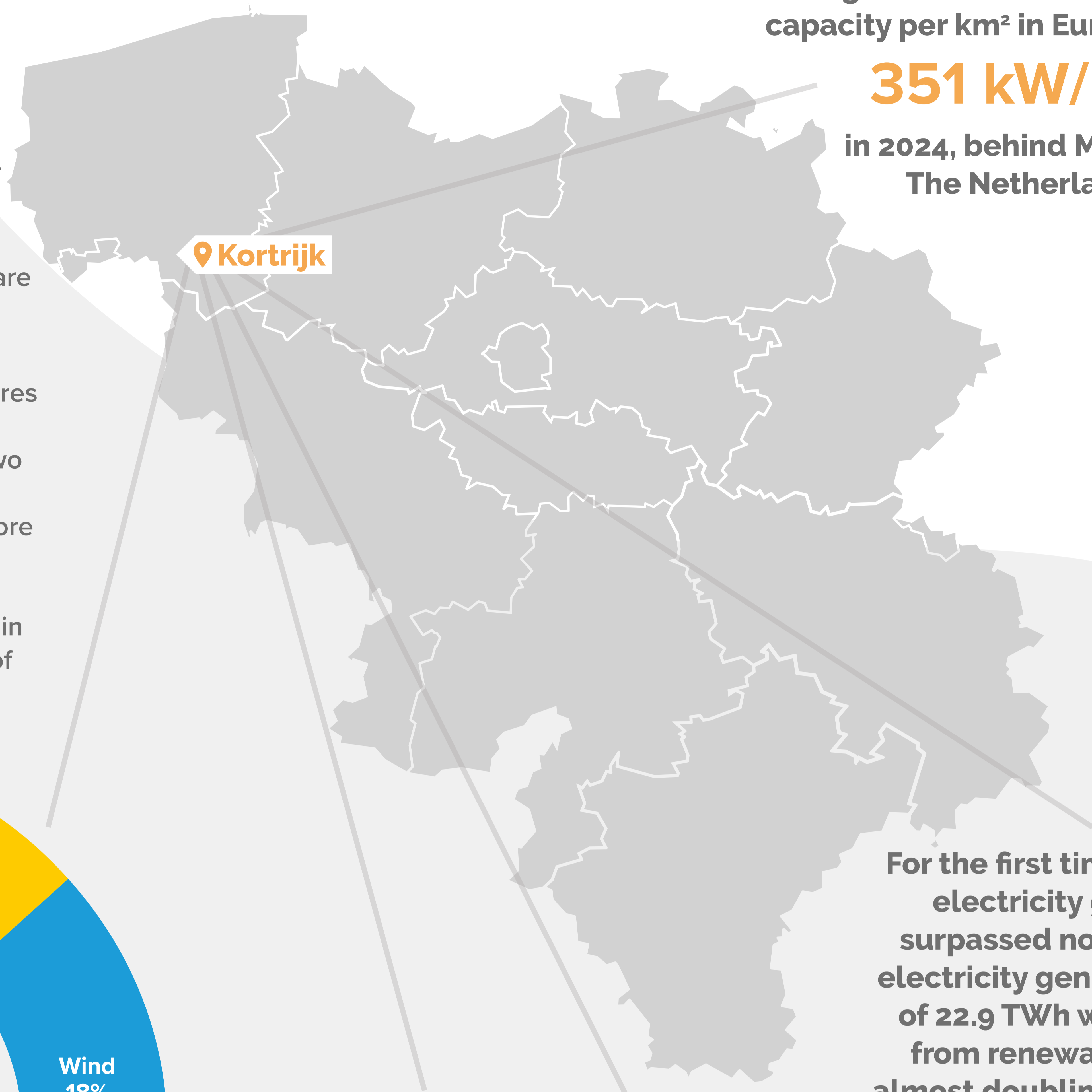


On track to reach decarbonization goals

With one third of power generated from renewables and three quarters of decarbonized power when nuclear power plants are included, Belgium is among European champions in the share of decarbonized electricity sources.

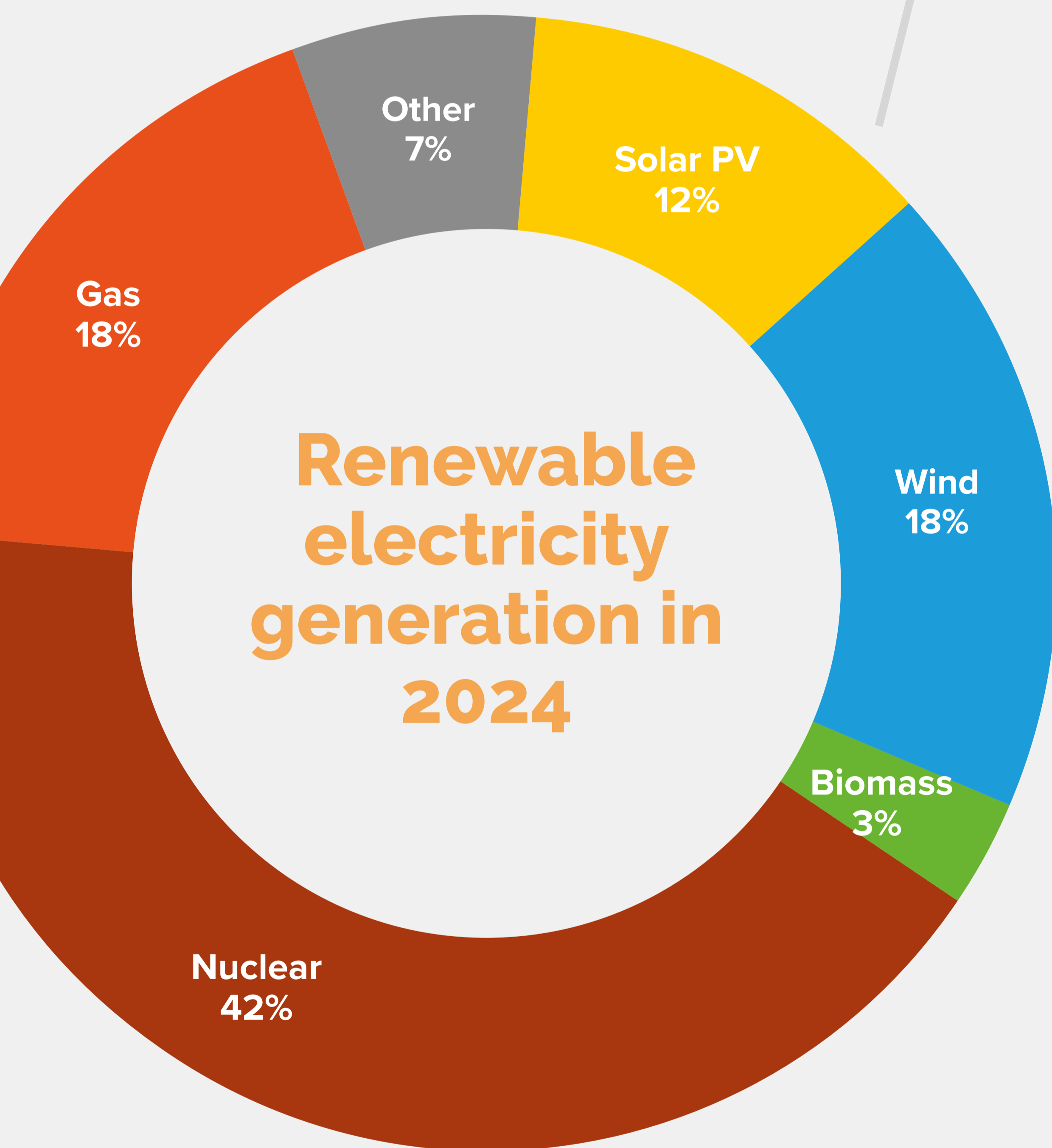
In order to reach National Energy and Climate Plan objectives, Belgium requires 1 GW/year of new PV installations, half compared to annual sales in the last two years. Belgium is one of European gateways for solar panels, but even more important, Belgium is a significant importer of battery storage devices. Three quarters of these batteries remain in Belgium, mainly for the production of electric vehicles.



Belgium has the third highest PV capacity per km² in Europe, reaching

351 kW/km²

in 2024, behind Malta and The Netherlands.



For the first time, renewable electricity generation surpassed non-renewable electricity generation. A total of 22.9 TWh was produced from renewable sources, almost doubling the 12.3 TWh from Gas power plants. Adding to this 29.5 TWh of nuclear power, Belgium generated

75%

of electricity from decarbonized sources.

In 2024 Belgium reached a total installed PV capacity of 10.7 GWp, representing a

22%

increase compared to 2023¹.

With 8.3 TWh in 2024, solar photovoltaics accounted for

11.9%

of all electricity generated in Belgium - the highest contribution to date.

Belgium on track for 2030 solar goal

In 2024 Belgium installed 1.9 GWp of new PV installations, reaching 10.7 GWp of accumulated solar capacity by the end of the year. With the NECP target for 2030 at the level of 15.6 GWp, this means that in the following 5 years Belgium needs to install 4.9 GW or less than 1 GW per year. Having in mind the progress achieved during the last two years, this shouldn't be a problem. The International Energy Agency provides scenarios for Belgium until 2030 which expect reaching between 16.6 and 18.8 GW of total photovoltaic installations.



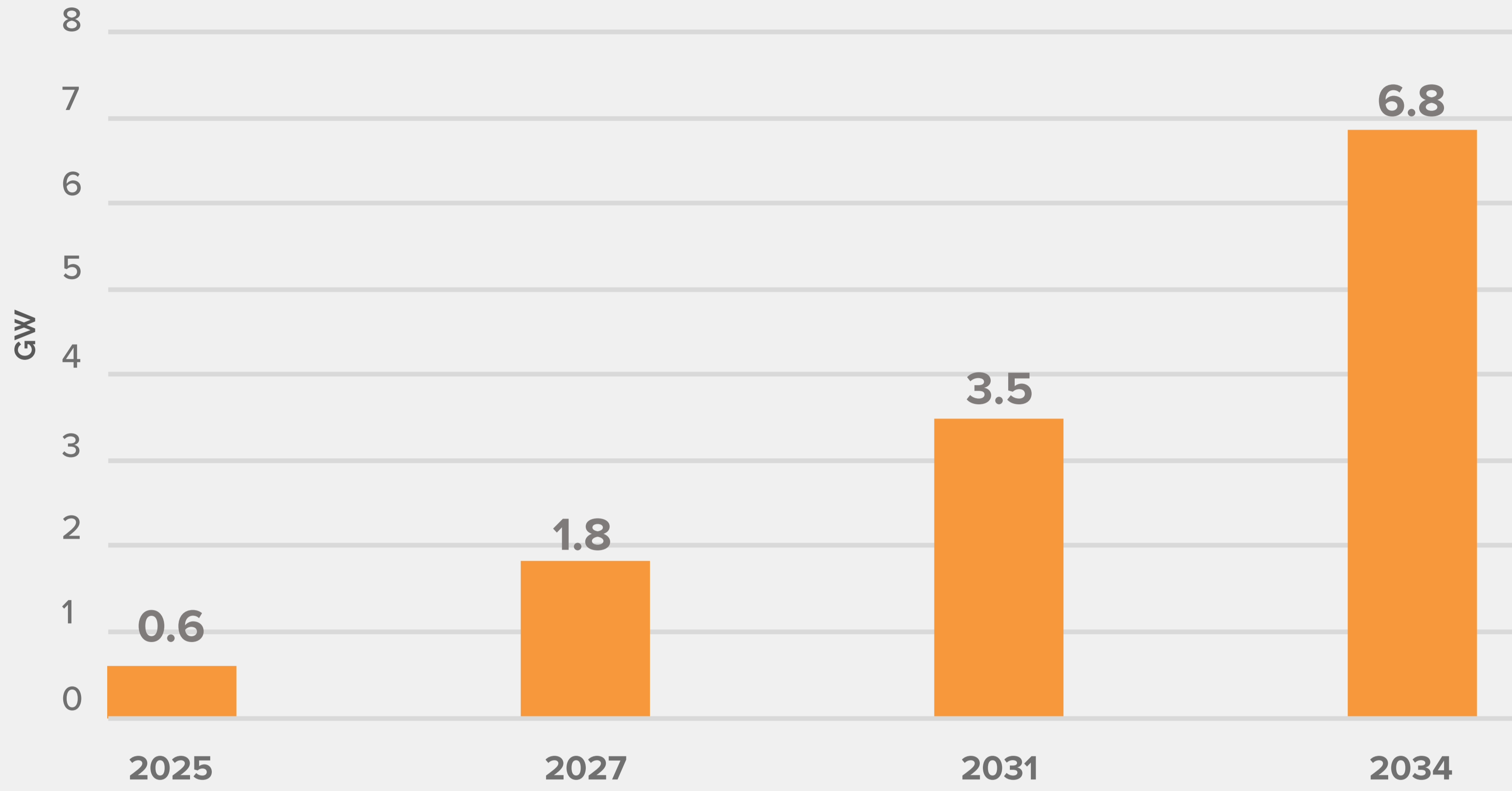
Hrvoje Medarac, PhD
Head of Dutch New Energy Research

¹ Premium Access DNE Dashboard

Battery storage on the rise

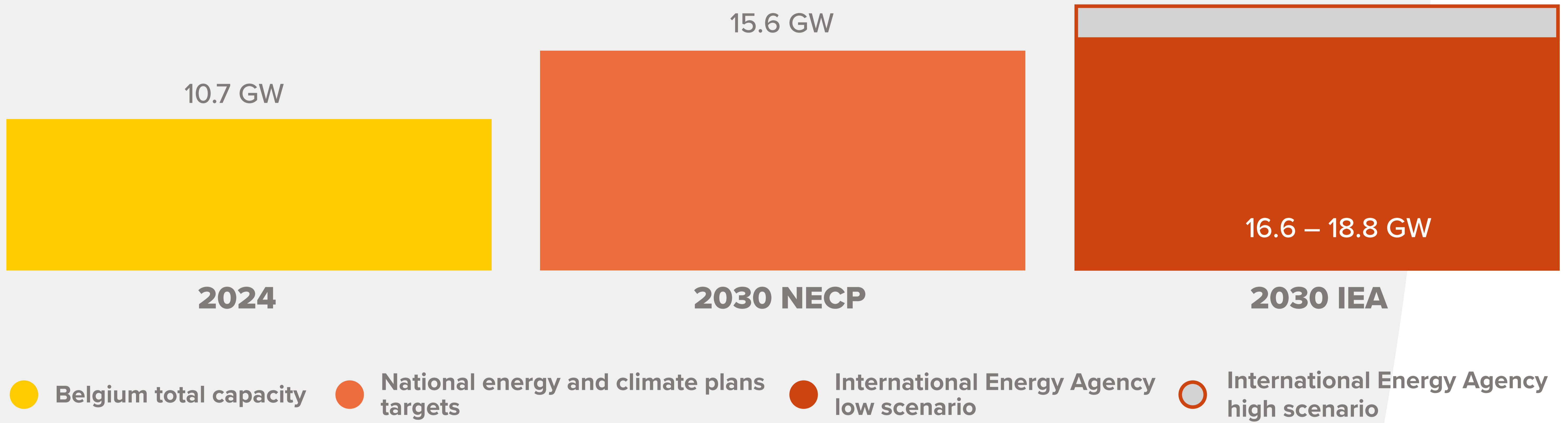
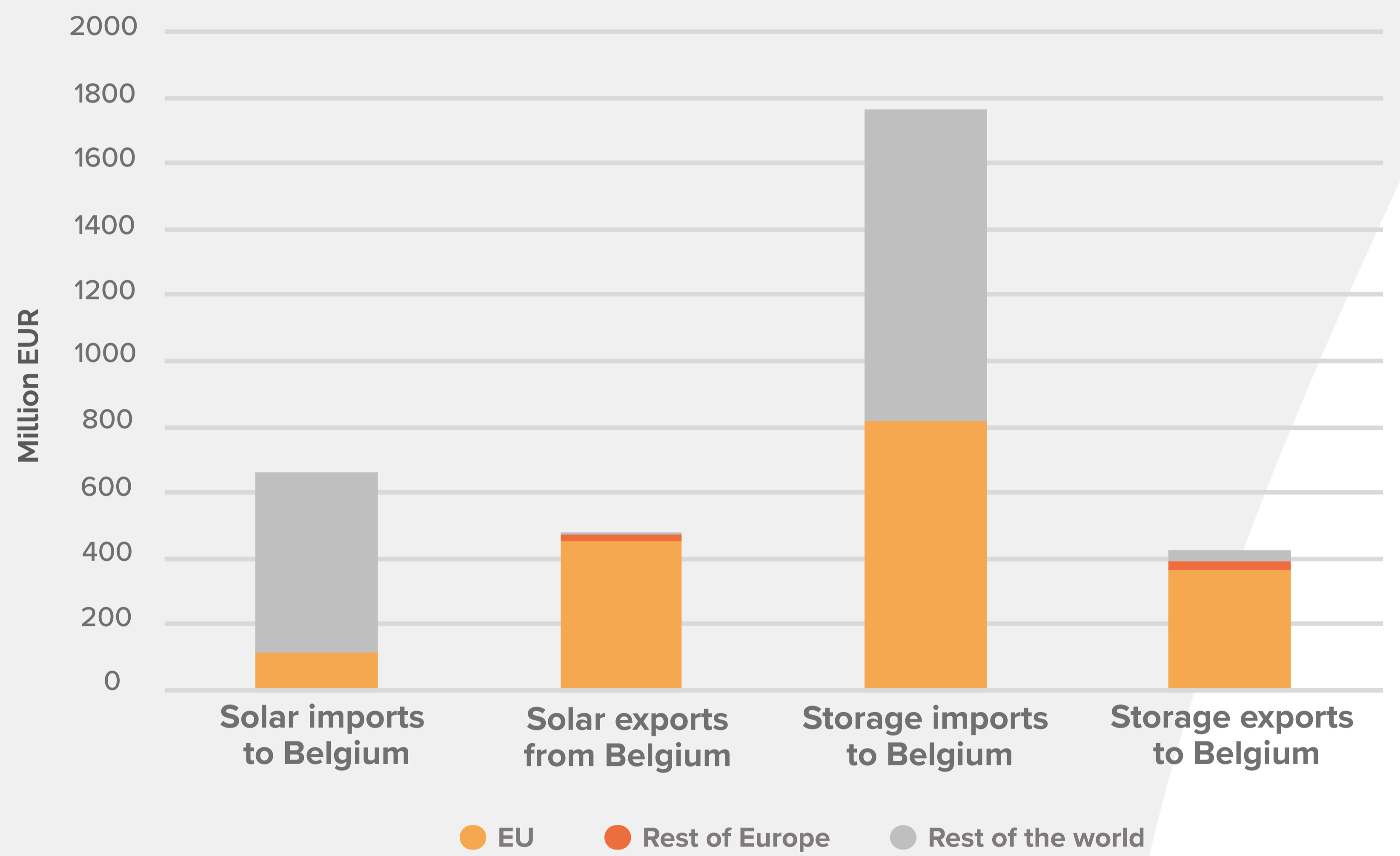
At the end of January 2025 Belgium had 0.6 GW installed battery power capacity in large, utility scale battery systems. According to Elia's² targets, Belgium plans to have 6.8 GW of utility scale battery systems until 2034.

² www.elia.be



Targets show great potential

In 2024, PV panels of the value of 664 million EUR were imported to Belgium (80% from China). From this value, 72% or 475 million EUR, was exported, mainly to the EU. In the same year, the total value of imported Li-ion batteries, both for electric vehicles and stationary storage, was significantly higher, 1.77 billion EUR. Only 24% of this value (426 million) was exported. This means that 76% of imported battery storage is used in Belgium, mainly for the use in production of electric vehicles.



Media Partners



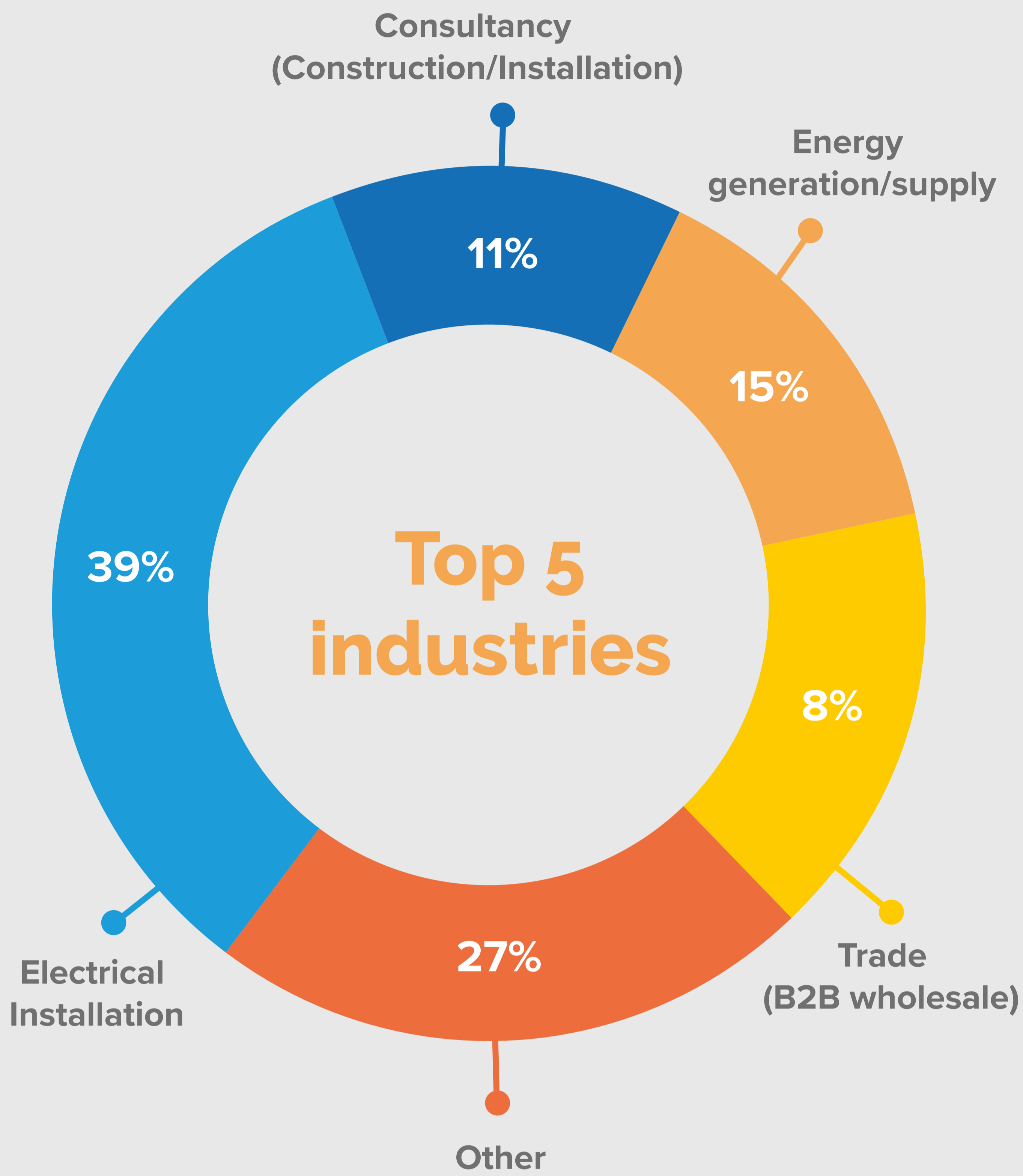
Visitor profile 2024

Visitor analysis

Visitor analysis	Total
Total exhibitors	103
Total visitors	5.392

Top 3 countries of origin

Belgium	79%
The Netherlands	13%
France	5%

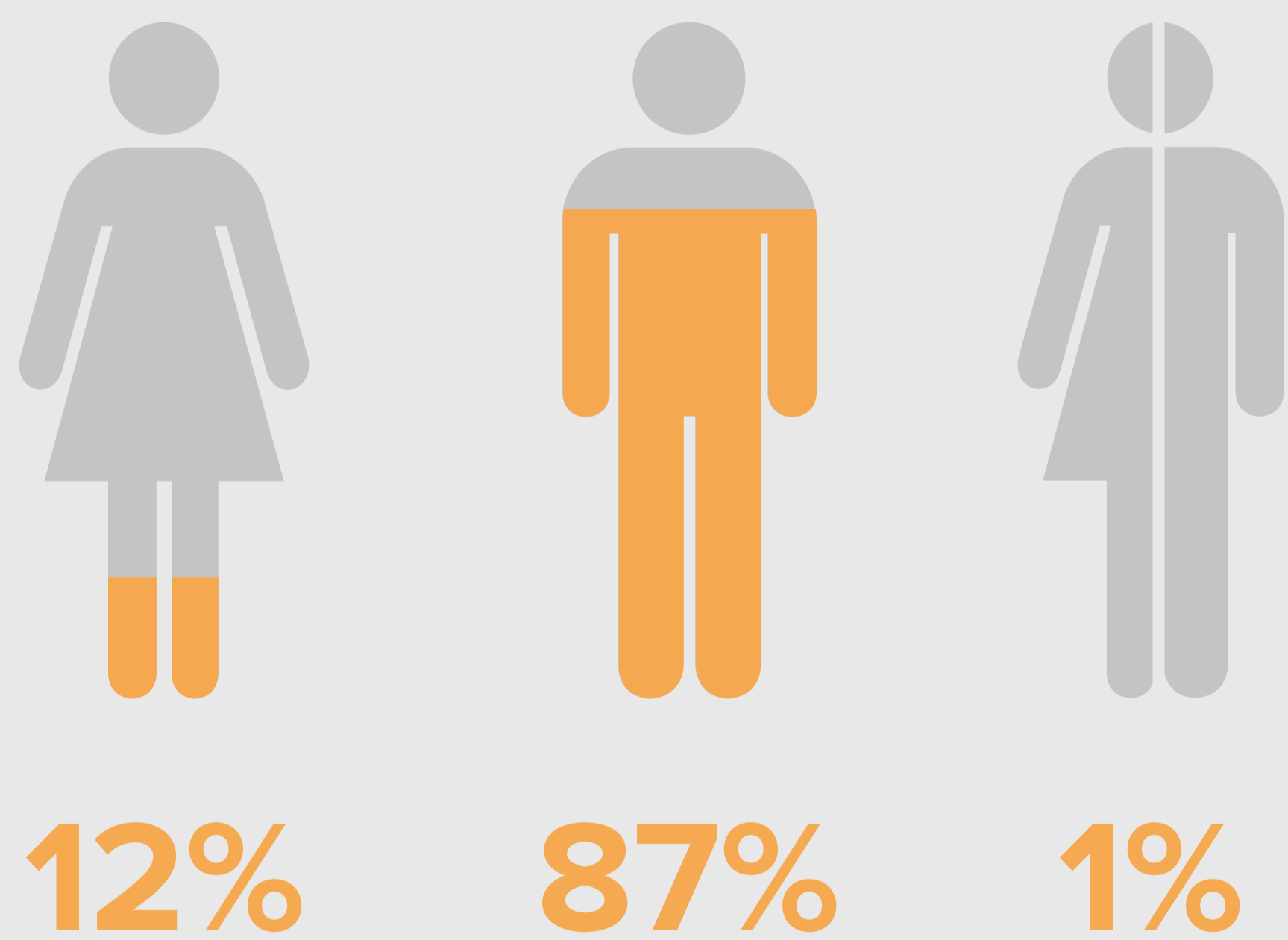


Our visitors are decision makers

Our visitor group primarily consists of key decision-makers within the industry. This includes Managing Directors, Senior Management, Business Owners, employees in various roles, as well as representatives from government institutions and other function groups. This diverse mix makes sure that Sustainable Solutions Kortrijk brings together the people who shape the future of our sector.

Top 5 functions

1. Managing Director	36%
2. Senior Management	21%
3. Other	22%
4. Technical Employee	11%
5. Business Owner	10%



Gender in the industry

Currently, over 85% of professionals in our industry are men. We are actively committed to initiatives that increase visibility and opportunities for women and non-binary individuals in this male-dominated sector. Through inclusive programs, role models, and targeted support, we aim to contribute to a more balanced representation and help make the industry more attractive and accessible to everyone.

Proven success formula

Backed by over a decade of successful renewable energy exhibitions across Europe, we're proud to be at the forefront of driving sustainable innovation.



Scan to see the agenda!

