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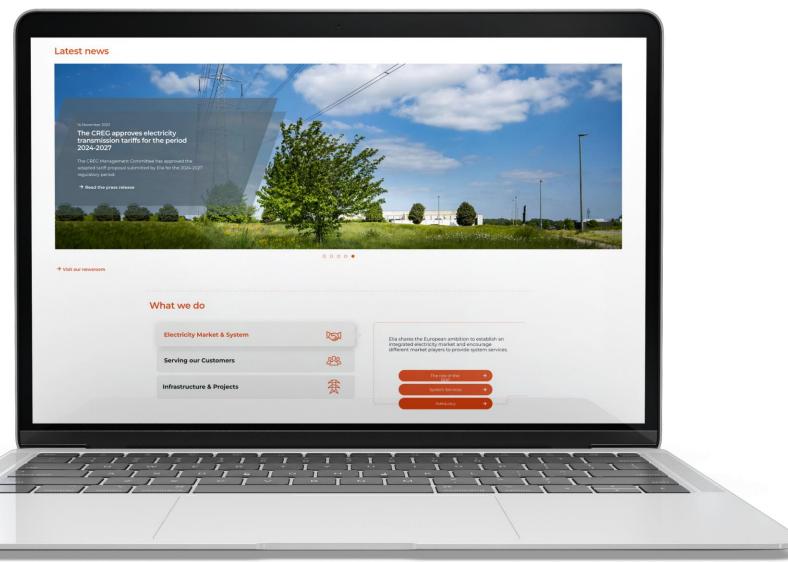








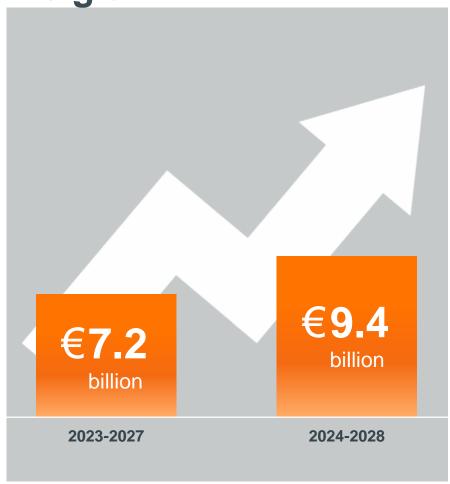


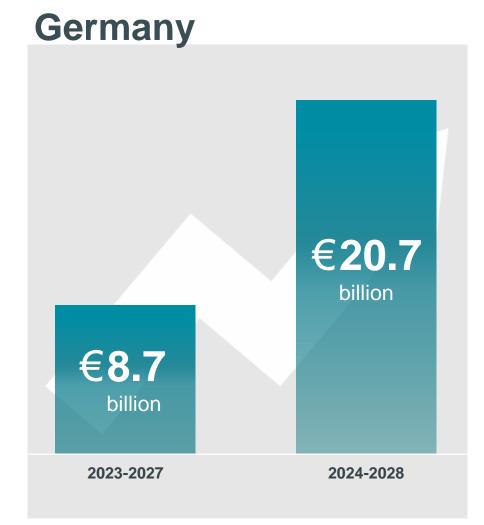


# **Updated CAPEX programme**



Belgium







There is no energy transition without massive investment in power grids. The construction of a "leading" grid infrastructure is critical to match the ambition of our society to accelerate the energy transition.

# Rapid grid expansion in Germany & Belgium





**Deputy CEO** Kapferer CEO 50Hertz

Frédéric **Dunon** Elia Transmission Belgium

# Elia Group's digital journey





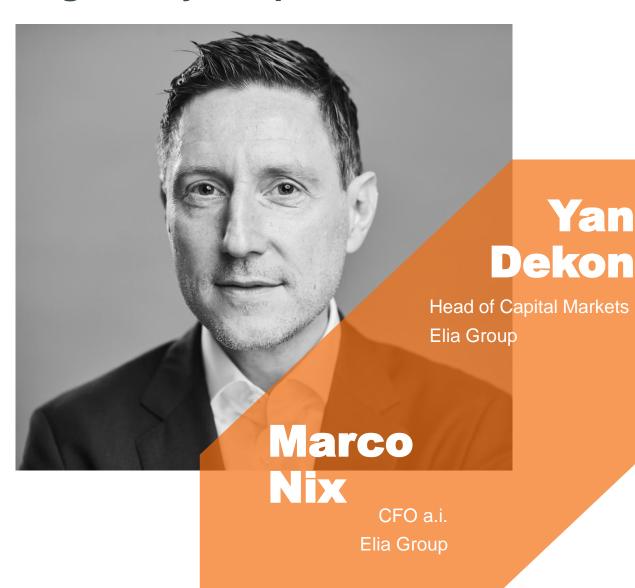
# Elia Group's talent management strategy





# Regulatory deep dive







# Elia Group's ESG programme



ENVIRONMENT

Climate Action







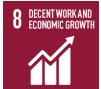






**Environment &** (2)Circular Economy







SOCIAL

GOVER-NANCE

Diversity, Equity & Inclusion

(3) Health & Safety

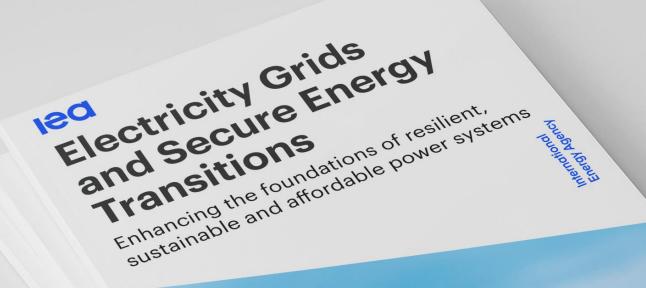






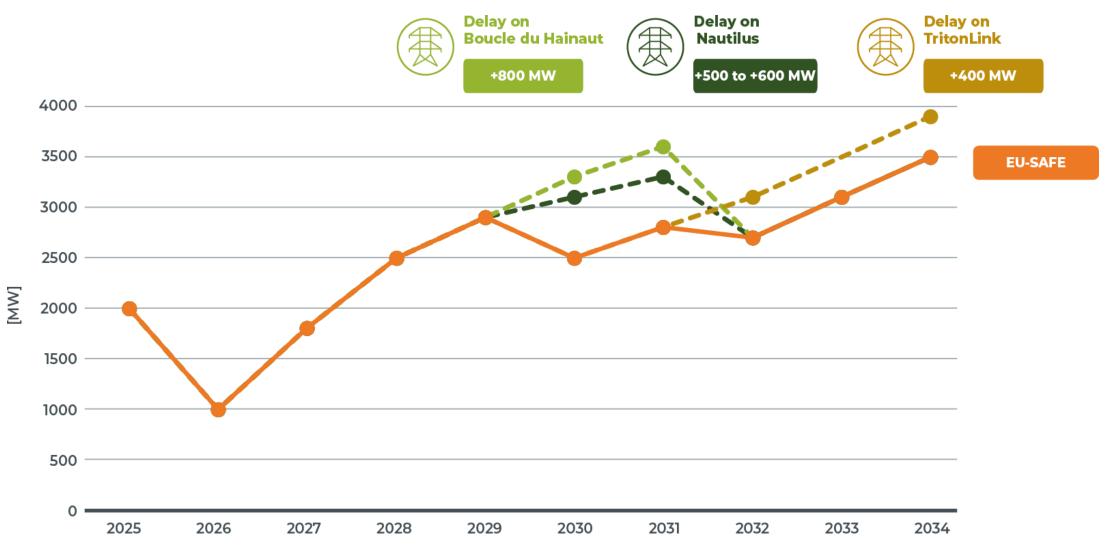
An ESG strategy embedded into our DNA





# Impact of grid infrastructure delays on capacity needs

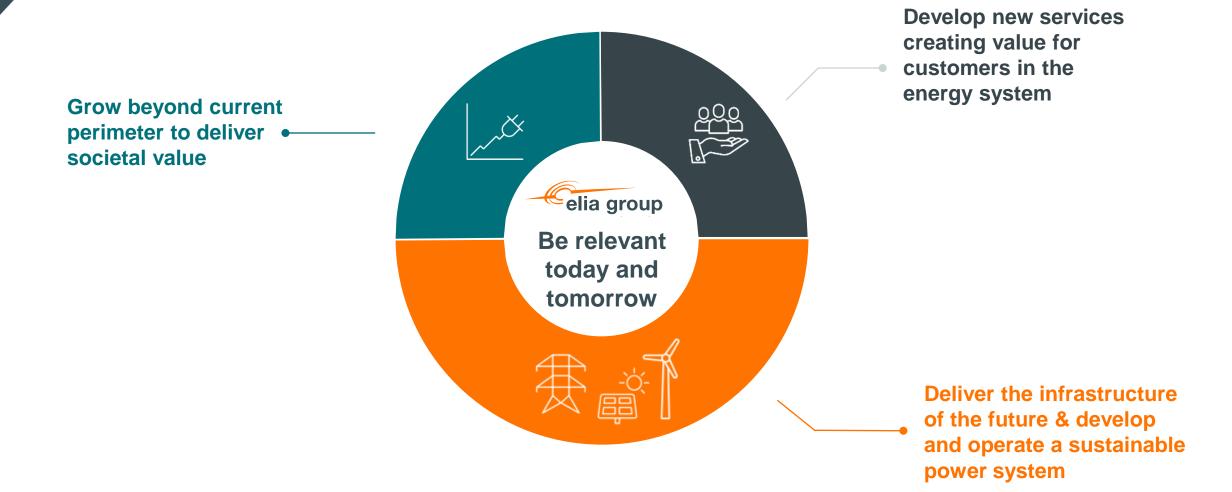






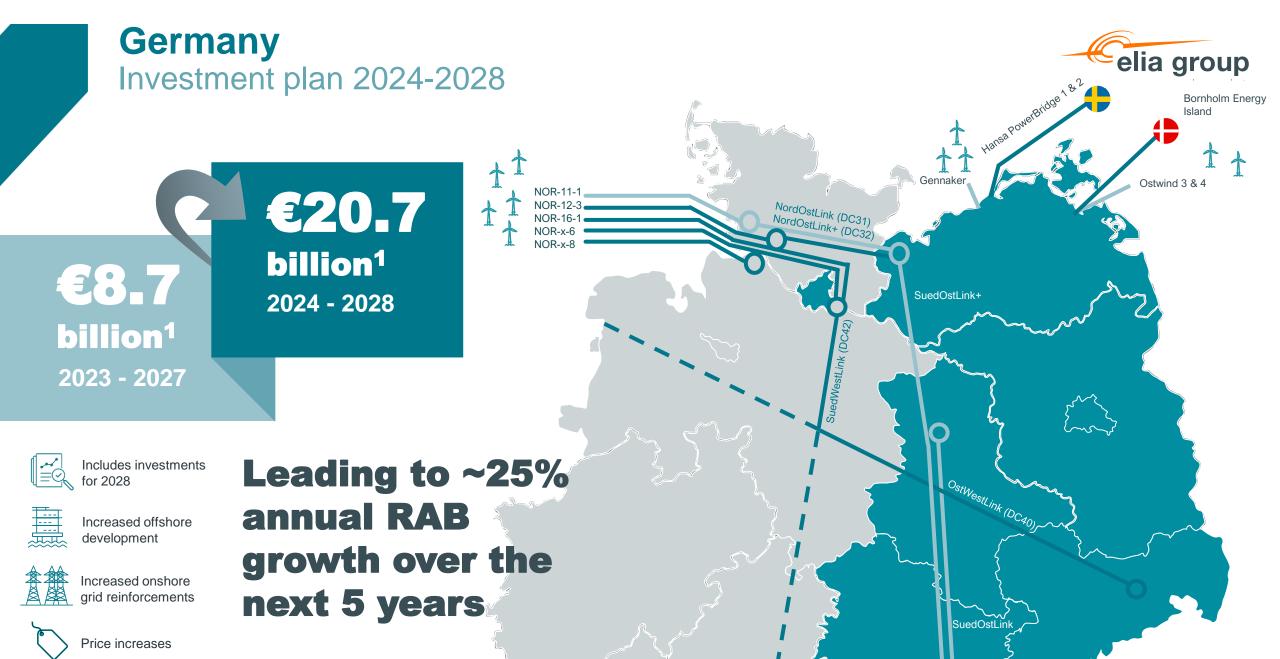
# Strategically driving the energy transition











<sup>1</sup>Capex plan includes key new projects, ongoing projects, maintenance capex and IT investments to digitalise system operations. <sup>2</sup>Grid Development Plan.

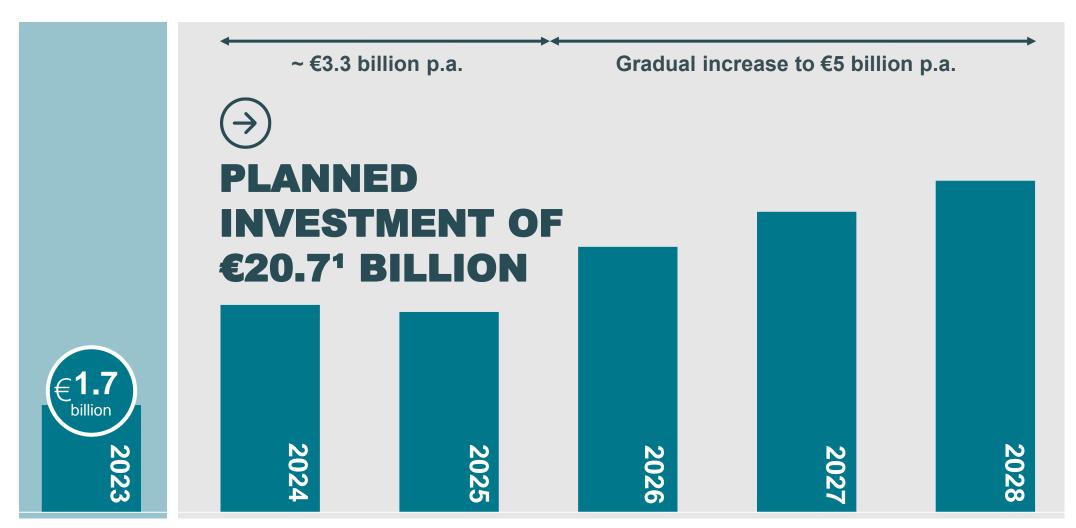
New projects from GDP<sup>2</sup> 2037/45

GDP<sup>2</sup> 2035 projects

# **Germany**







<sup>&</sup>lt;sup>1</sup>Represents 100% of the CAPEX for 50Hertz.



# **CAPEX Germany**

# **Germany**GDP 2037/2045

~ 8,000

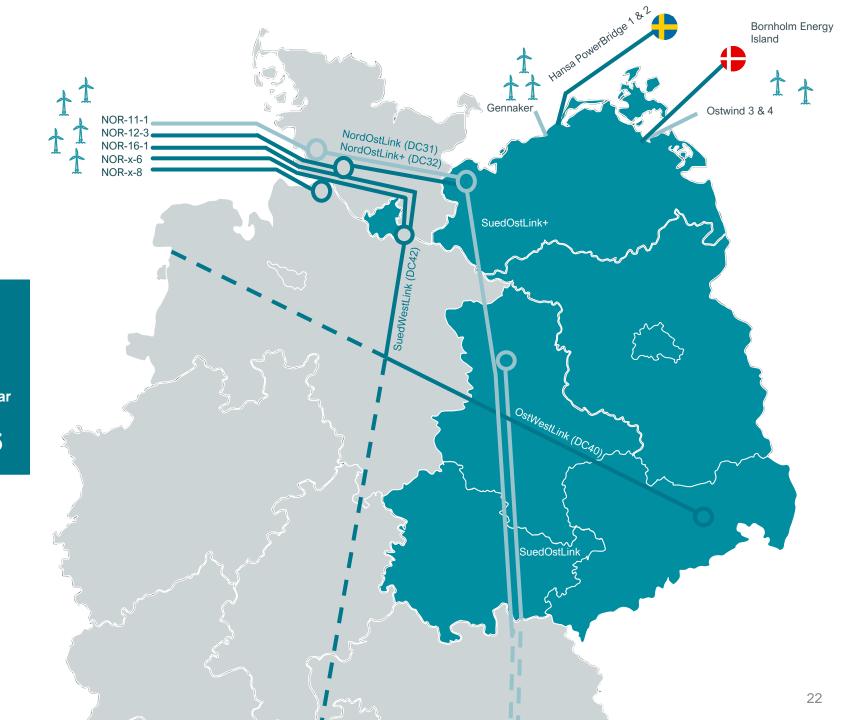
Kilometers
(incl. projects post 5-year CAPEX-plan)
GDP 2035

GDP 2035

GDP 2035

GDP 2035

GDP 2035 projects
New projects from



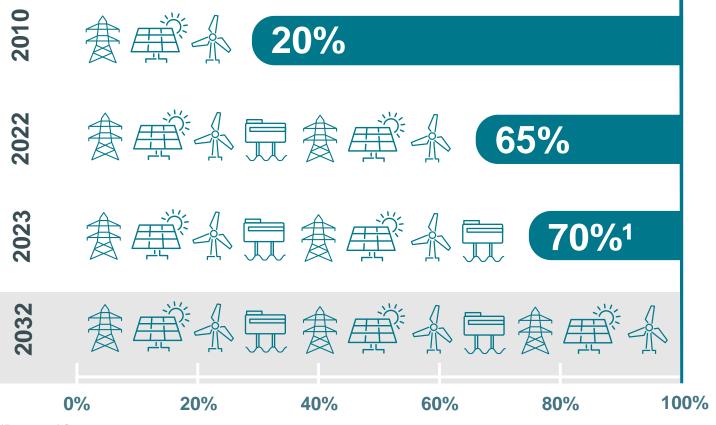
GDP<sup>1</sup> 2037/45

# **Germany**Renewable penetration



100 percent by 2032
New energy for a strong economy





<sup>1</sup>Data as of Q3 2023.

## **Germany**



### Reaching climate neutrality in a cost-efficient way



Discussing proposals with the German government to lower individual project costs



Reorganising internally to streamline processes and increase efficiency



Reducing reliance on fossil fuels to lower prices in the long-run



Unlocking flexibility to reduce need for back-up devices and lower congestion cost

# Germany

# Challenges and solutions



#### **CHALLENGES**



### **SOLUTIONS**

Collaborating with authorities

Parallelisation of processes

Public engagement



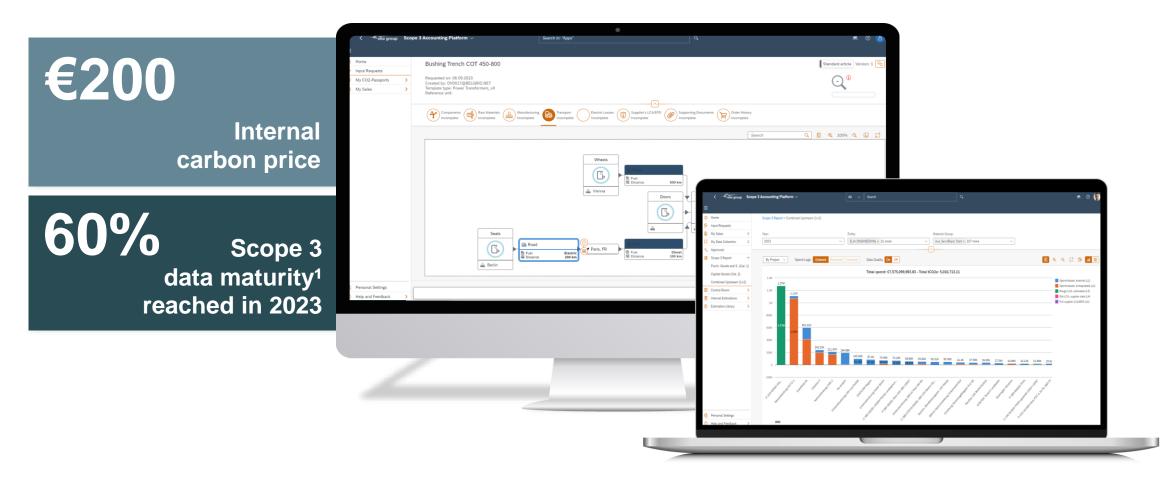
Long-term strategic partnerships

Lean tendering processes

Forward looking reservation

# Successful launch of our in-house scope 3 accounting platform





¹Percentage of our spend for which emissions are no longer calculated with external spend-based factors (tCO2/€) but a combination of real data from suppliers and extrapolations.

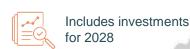


CAPEX Belgium

# Belgium Investment plan 2024-2028



€7.2 billion¹ 2023 - 2027 **€9.4**billion¹
2024 - 2028





Leading to ~18% annual RAB growth over the next 5 years





Facilitating offshore energy



Grid reinforcements

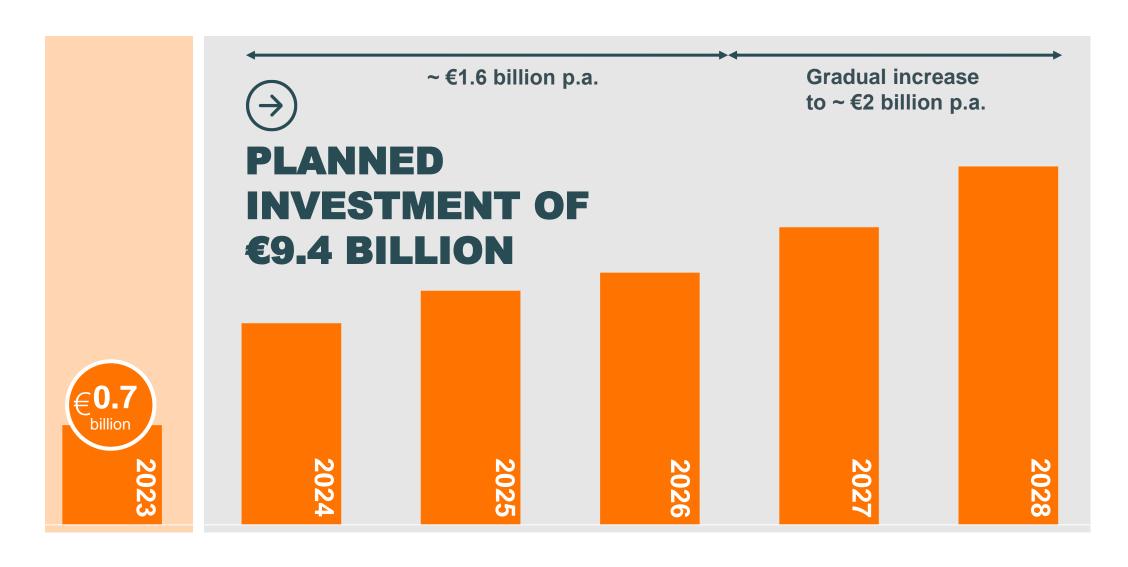


**Cross-border** interconnection

# **Belgium**



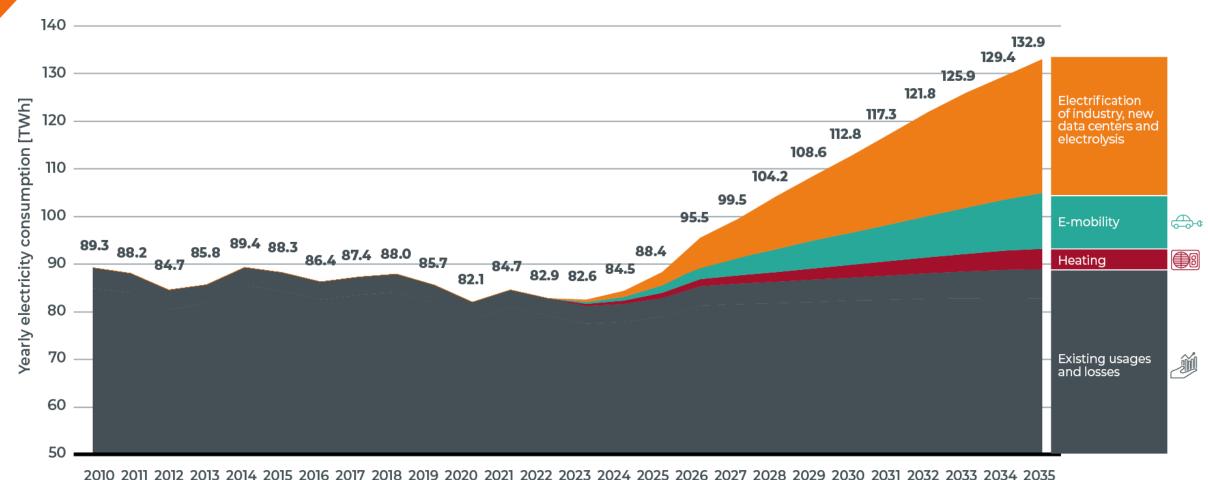




# Yearly electricity consumption in Belgium



### Historical and assumed future



2010 2011 2012 2013 2014 2013 2010 2017 2010 2013 2020 2021 2022 2023 2024 2023 2020 2027 2020 2031 2032 2033 2034 2033

Electrolysers and power-to-heat are an output of the economic dispatch model. All numbers are normalised. Source: Adequacy & Flexibility for Belgium 2024-2034.





## The Power of Flex

# Elia Group's study on consumer-side flexibility







November 2023



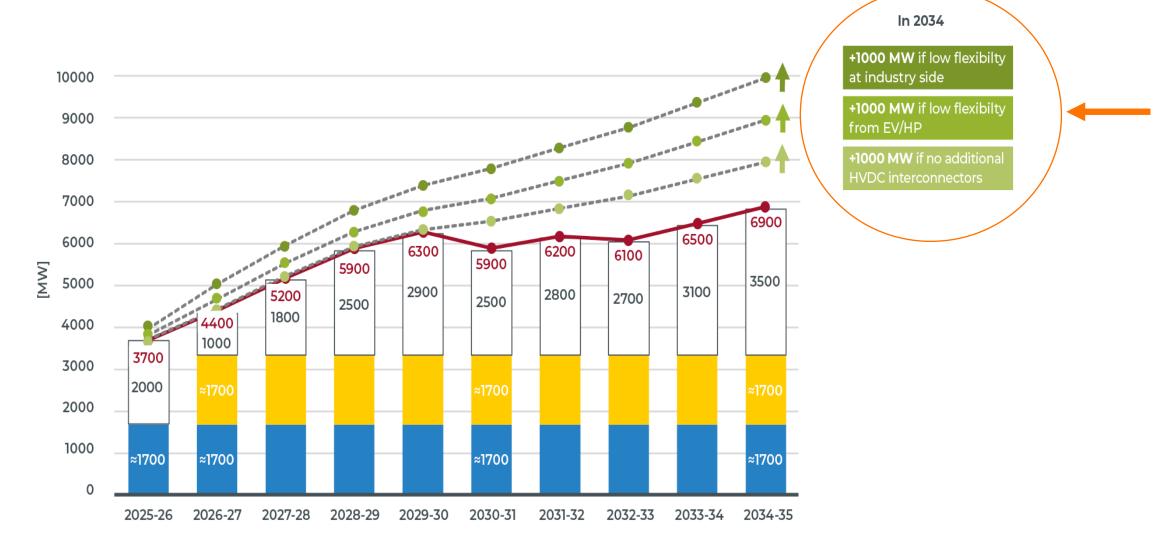
# Powering society towards clean electrification





# Impact of unlocking timely grid build-out & flexibility





Source: Adequacy & Flexibility for Belgium 2024-2034.



# **Approval of the Federal Development Plan** 2024-2034

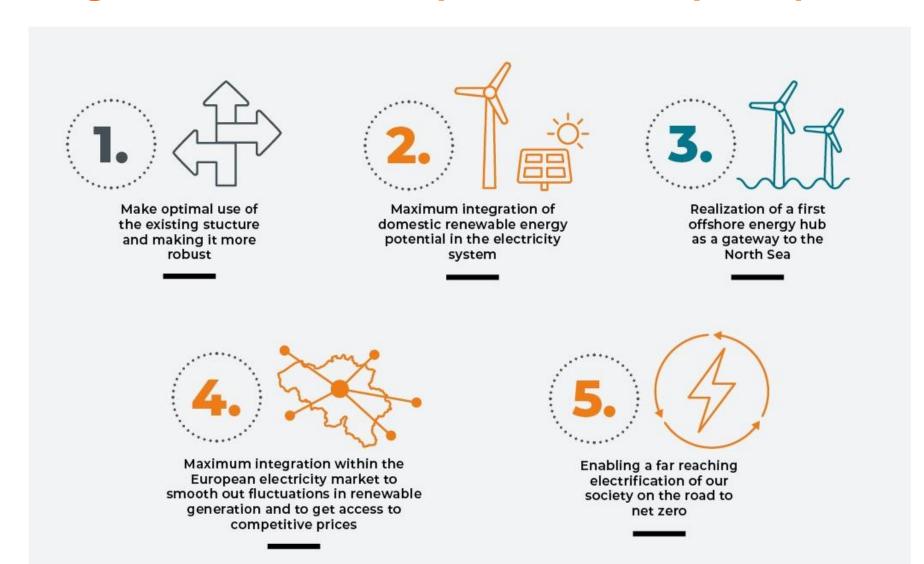






### Belgian Federal Development Plan: 5 principles





Source: Federal Development Plan 2024-2034.

### **Belgium**

Federal
Development
Plan
2024-2034



Facilitating offshore energy



Grid reinforcements



Cross-border interconnection



## **Belgium**

Federal Development Plan 2024-2034





Making optimal use of the existing structure and making it more robust



Maximum integration of renewable energy into the system



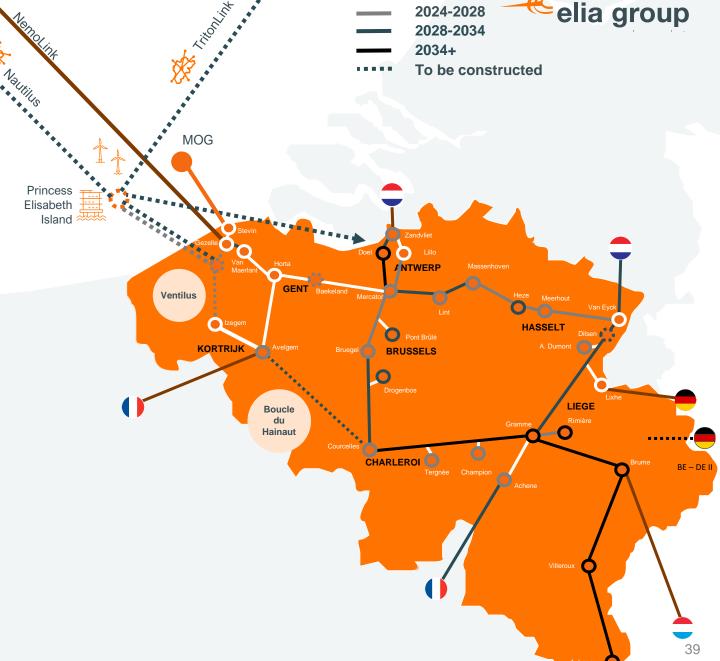
Realisation of a pioneering North Sea energy hub



Maximising interconnection in the European electricity market for smooth renewable integration and competitive prices



Enabling a far-reaching electrification of our society on the road to net zero

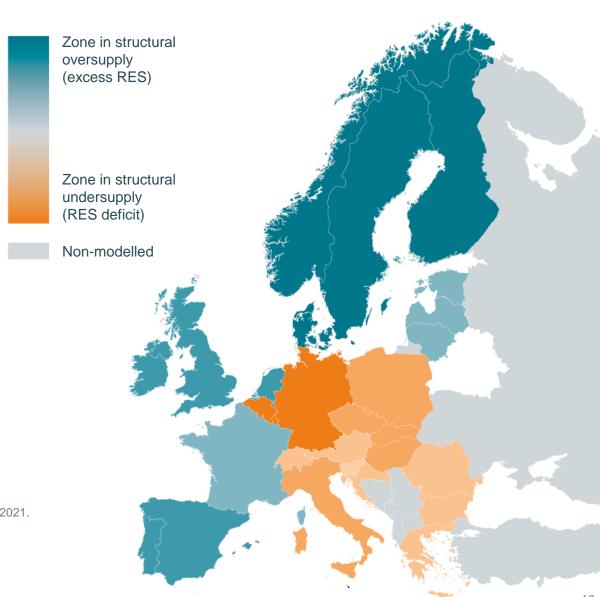


# Interconnectors balance out uneven RES¹-distribution





<sup>1</sup>Renewable Energy Resources. Source: Roadmap to Net Zero – Elia Group Study November 2021.

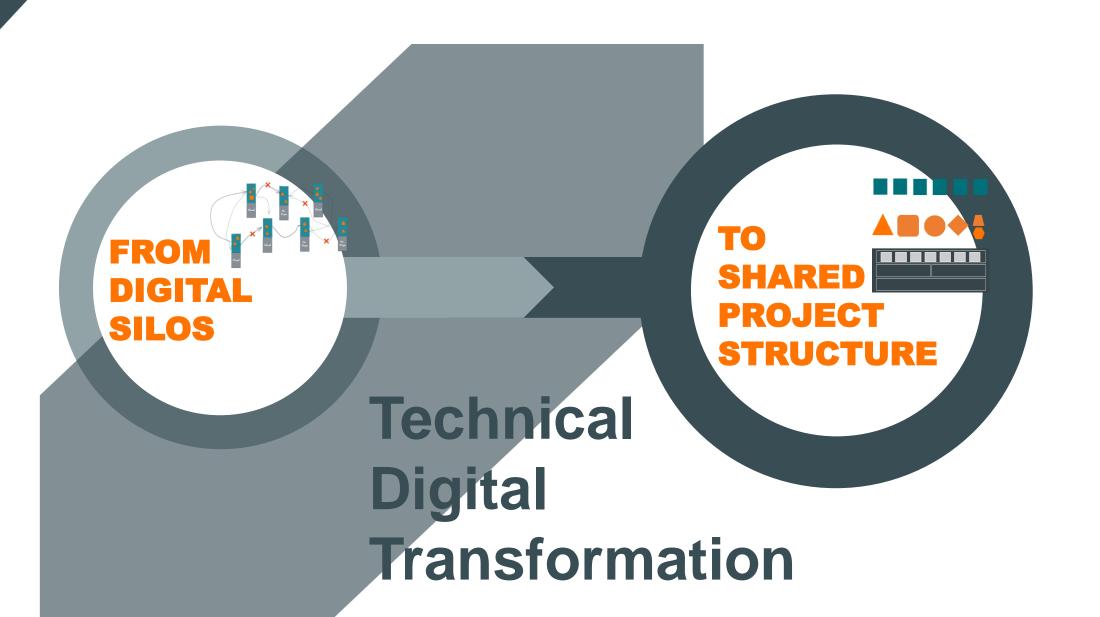




**Digital TSO** 

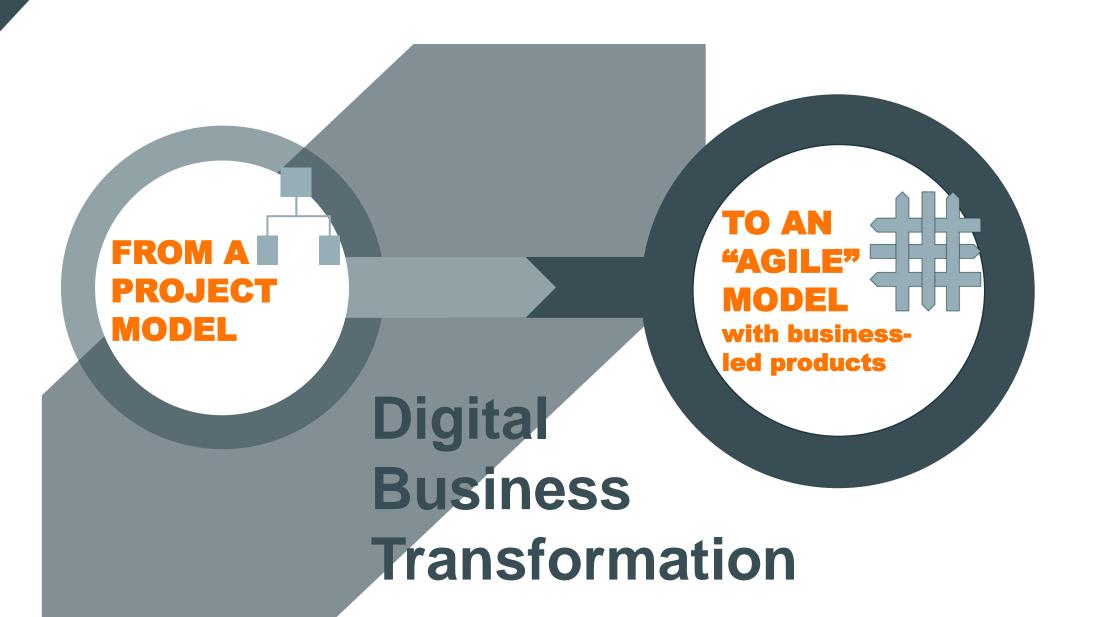
### Technical dimensions of our digital transformation





### Business dimensions of our digital transformation







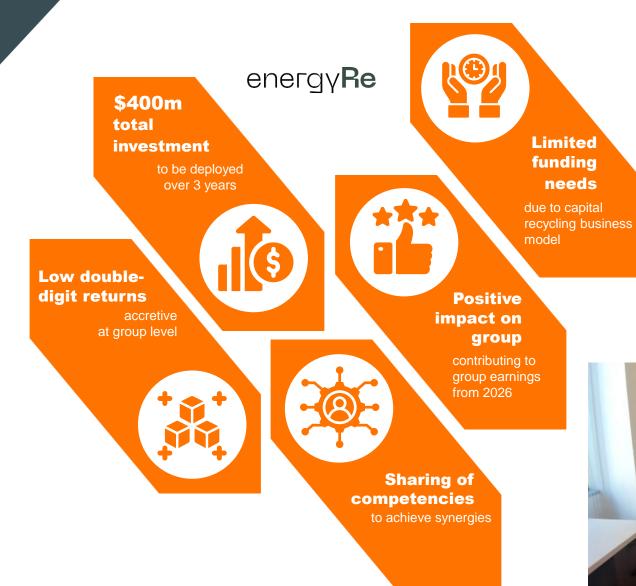




# International expansion

### **Key deal metrics and impact on Elia Group**











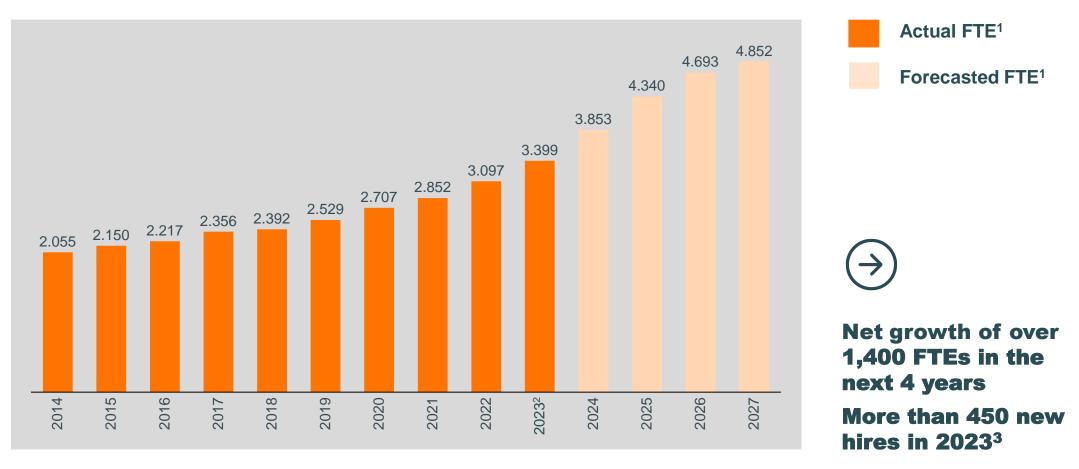
# People & culture





### **Evolution of employees of Elia Group**





<sup>&</sup>lt;sup>1</sup>Full Time Equivalent. Data includes 50Hertz, Elia, EGI and Windgrid. <sup>2</sup>Includes December 2023, as of 03.12.2023. <sup>3</sup>Includes new positions and replacements.

### Our answer to the recruitment challenge



We are actively enlarging the pool of candidates by:

Tapping into international recruitment markets

Improving our visibility in the market and our **employer branding** 

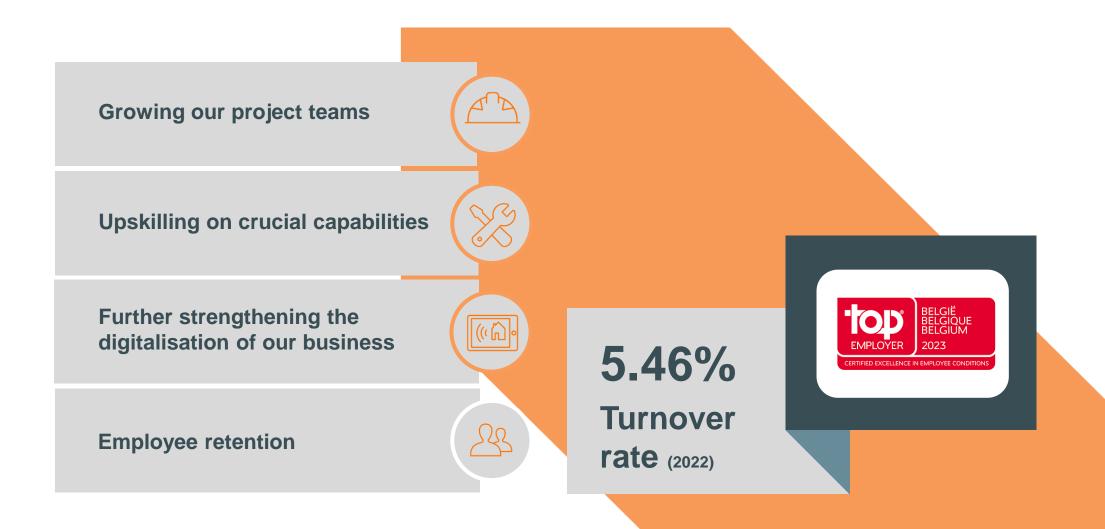
Searching for candidates with the mindset and potential to **upskill** 

Further improving the candidate experience in our recruitment processes



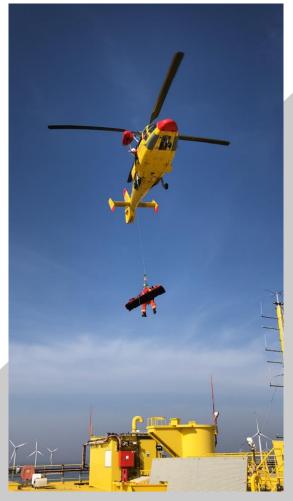
### To grow sustainably, our focus is on





# Regular trainings as well as new technologies reduce the risk exposure of our staff





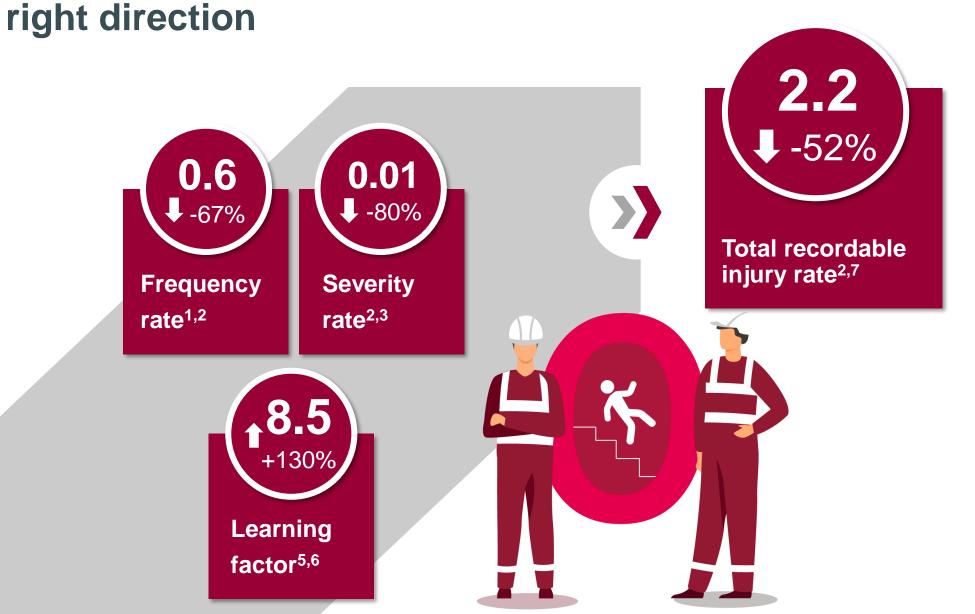






Our health & safety key indicators are moving in the





# Numerous activities ensure the wellbeing of our employees







**Absenteeism** rate



Trends Impact Award for our community "Let's talk about burn-out"



# Dedicated to further improve the diversity in our workforce







**22.9%** (2022)

17.2% (2019)

Women in total workforce

**22.9%** (2022)

**21.1%** (2019)



Women in total workforce 25% by 2028

Female new hires 30% annual target



### Stakeholder interaction





**TSO peers** 

**Authorities** 

**NGOs** 

**Suppliers** 





**Energy service providers** 

**Energy producers** 

Consumers

Universities

**Startups** 



# Leader on climate and environmental action, with clearly defined short- and mid-term goals



## 1 Climate Action

2 Environment & Circular Economy

2040: carbon neutrality in system operation

28% Reduction of CO<sub>2</sub> footprint of grid losses by 2030 vs 2019<sup>1</sup>

(2022: +15% vs 2019)

**Enabling decarbonisation of the power sector** 

99.87% Environmental EU

taxonomy-aligned CAPEX

(Climate change mitigation)

2030: carbon neutrality in own activities

**90%** Reduction of mobility emissions<sup>2</sup> by 2030 vs 2019

SF6 leakage Well below (2022:0.13%) **0.25%** 

50% Share of SF<sub>6</sub> free solutions in new assets by 2030

Towards a carbon neutral value chain

60% Mature scope 3 data by 2023<sup>3</sup>

(2022: 0%)

Scope 3
Reduction target to be defined by 2025

Increase climate resilience

99.99%
Elia Grid Reliability

99.79%
50Hertz<sup>5</sup> Grid Reliability

€94.2 Million

CAPEX invested in projects increasing resilience against climate risks (Climate change adaptation)

**Ecosystems** and biodiversity

90% Forest areas managed ecologically by 2030

(2022: 81%)

100% High-voltage lines in critical bird areas equipped with anti-collision devices by 2030

(2022: 62%)

<sup>&</sup>lt;sup>1</sup>Using direct emissions only. <sup>2</sup>Excludes commuting. <sup>3</sup>Percentage of our spend for which emissions are no longer calculated with external spend-based factors (tCO2/€) but a combination of real data from suppliers and extrapolations. <sup>4</sup>based on Average interruption time. <sup>5</sup>based on # of incidents.

# ESG at the forefront of the company's strategy, with special focus on safety and inclusion



(3) Health & Safety

**Zero accidents** 

< 7.5 by 2025

< 6.5 by 2030 (2022: 4.6)<sup>2</sup>

Group TRIR<sup>1</sup> (incl. contractors)

> 95%

Health Rate<sup>3</sup>

(2022: 96.1)

Putting special emphasis on the health & safety of our subcontractors

Diversity, Equity & Inclusion

#### **Inclusive leadership**

**25%** Women in total workforce by

**2028**<sup>4</sup> (2022: 23%)

30%

Female inflow of total inflow

(2022: 31%)

**Nationalities** 

Nationalities

(2021: 38)

Foreign nationalities<sup>6</sup> 4.6%

**5** Governance, Ethics & Compliance

**ESG** 

12/12

ESG governance index <sup>5</sup> target by 2024

(2022: 8/12)

Compliance

12/12

Compliance index<sup>5</sup> target by 2024

(2022: 9/12)

#### **Community engagement**

117 Public info-dialogue sessions related to grid projects

¹(Number of work-related accidents x 1M) / number of hours worked. ²Number without contractors. ³Corresponds to absentee rate (1-x). ⁴Target 50Hertz: 30% by 3030.

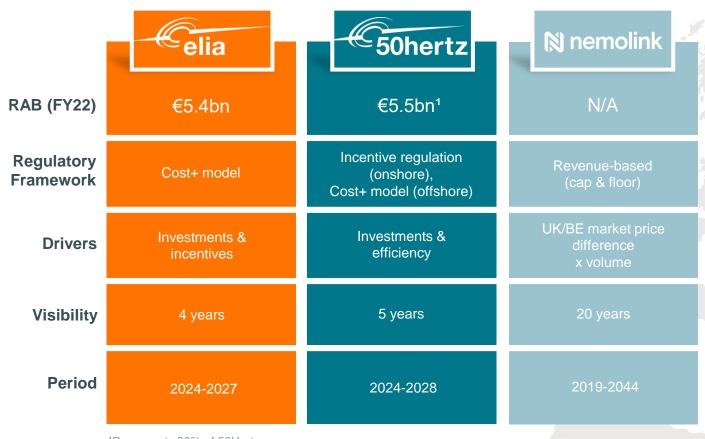




Regulation

# Unlocking value through varied regulatory frameworks



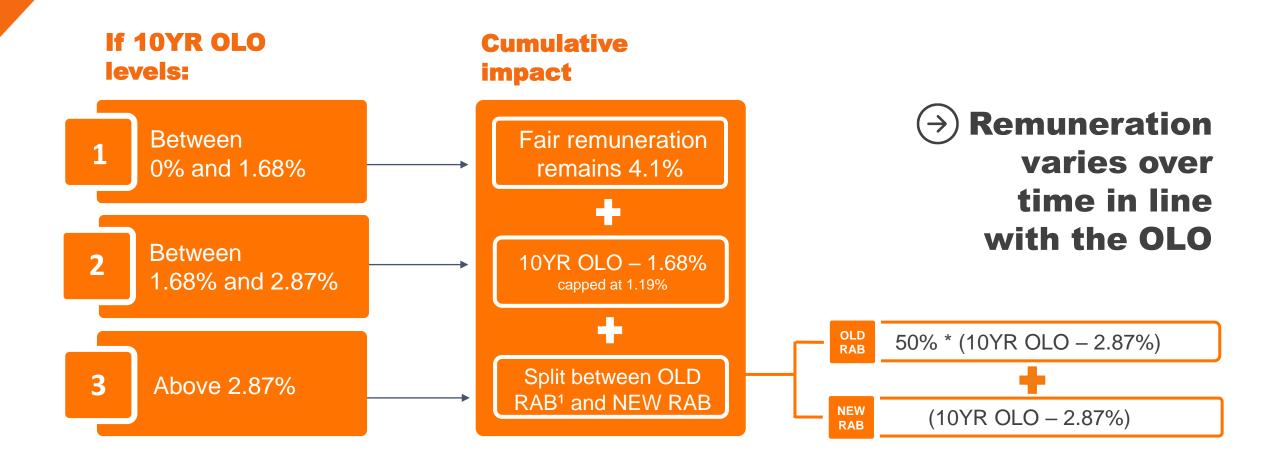


<sup>&</sup>lt;sup>1</sup>Represents 80% of 50Hertz.

### **Belgium**



### Additional remuneration mechanism for the fair remuneration



# **Belgium**Return on Equity



#### **PREVIOUS SCENARIO**

**2020-2023** Average RoE

Fair remuneration net return 4.68%

~6%
Regulatory return

**Incentives** 

~1.3%

**2024-2027** Average RoE

~5.7%

Regulatory return<sup>2</sup>

Fair remuneration net return 4.1%

Incentives ~1.4%

Risk premium MOG I & II<sup>1</sup> ~0.2%

#### **CURRENT SCENARIO**

**2024-2027** Average RoE

~7.2%

based on Belgian 10YR OLO of 3.27%

Regulatory return

Fair remuneration net return 4.1%

Additional fair remuneration net return<sup>3</sup> ~1.5%



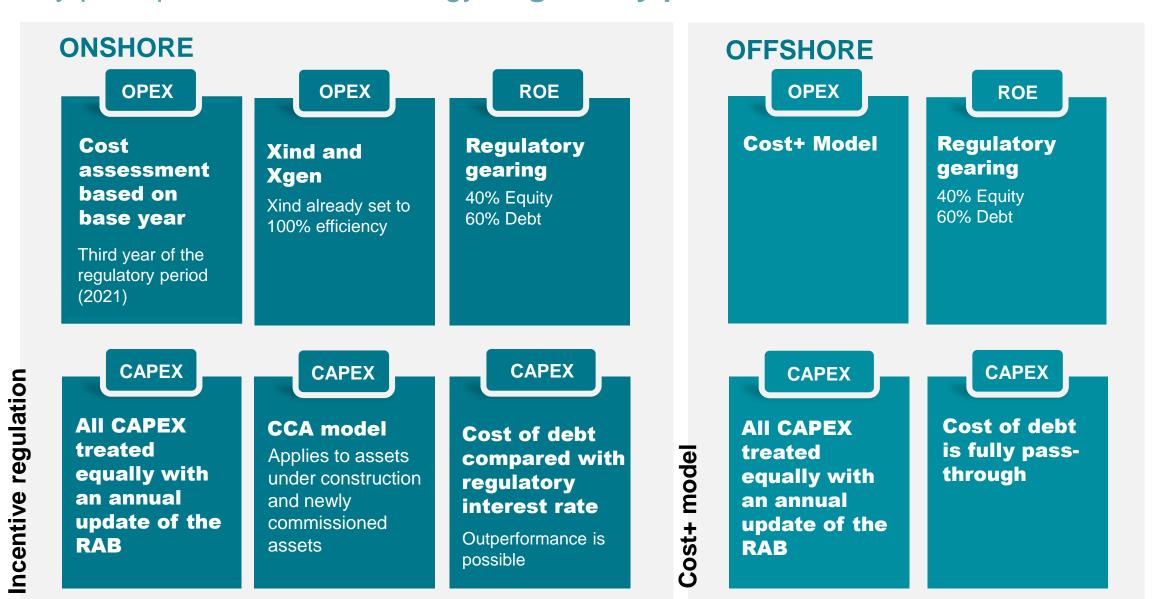
Risk premium MOG I & II<sup>1</sup> ~0.2%

<sup>&</sup>lt;sup>1</sup>MOG II refers to the Princess Elisabeth Island in the North Sea. <sup>2</sup>Based on the parameters described in the methodology published on 4 July 2022, average RoE is based on BE GAAP figures. <sup>3</sup>Additional fair remuneration dependent on evolution of the Belgian 10YR OLO, the additional ~1.5% of remuneration is based on an OLO at 3.27% and the evolution of the CAPEX.

### **Germany**

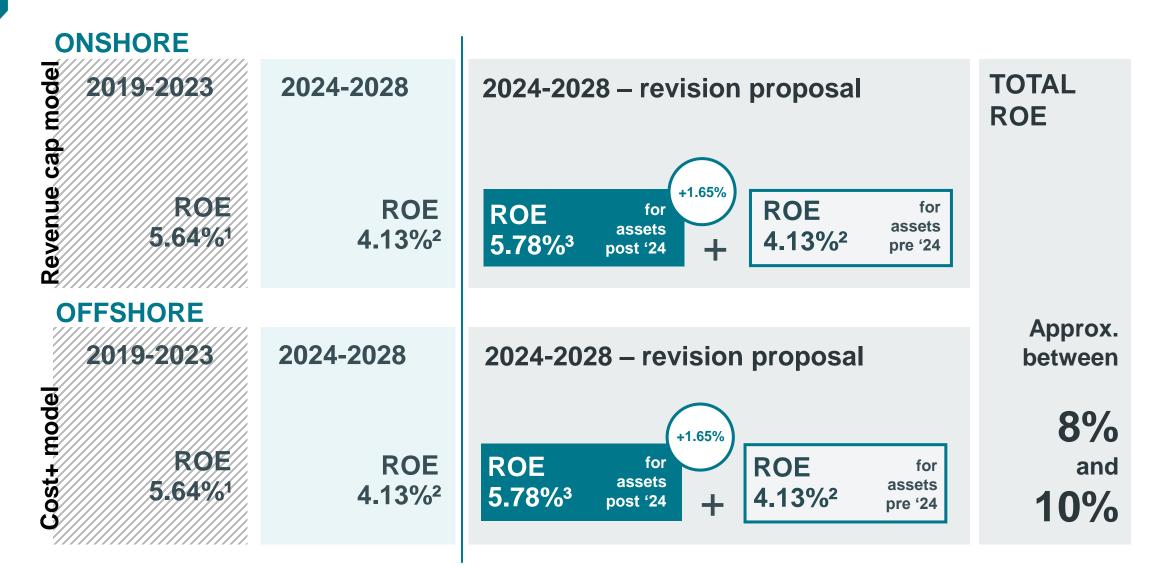


### Key principles tariff methodology Regulatory period 2024-2028



### **Germany**





<sup>&</sup>lt;sup>1</sup>After tax value; corresponds to 6.91% before corporate income tax. <sup>2</sup>After tax value; corresponds to 5.07 % before corporate income tax. <sup>3</sup>After tax value; corresponds to 7.09 % before corporate income tax.

### Nemo Link UK/Belgium

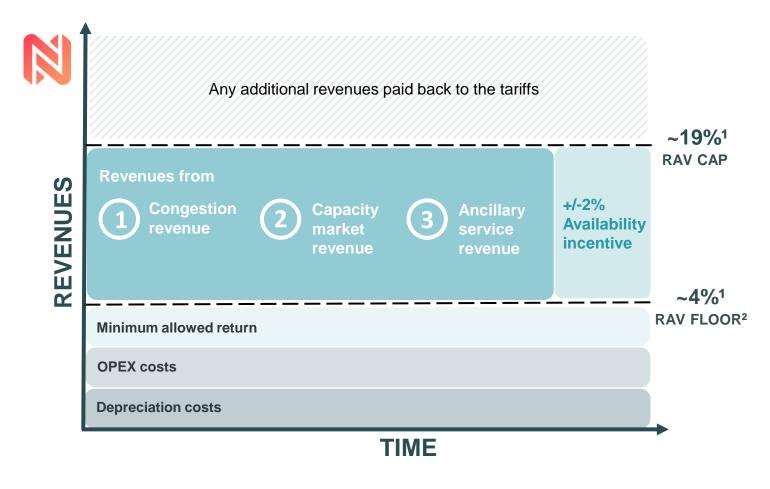
### Cap & floor model





One of the highest performing assets of its kind, with an availability rate of close to 100% since operations

Contributed for around 10% to the net result for the full year 2022



<sup>&</sup>lt;sup>1</sup>Based on a gearing ratio of 60%. <sup>2</sup>Floor is maintained if availability of interconnector exceeds 80%.

### Nemo Link UK/Belgium

### Cap & floor model





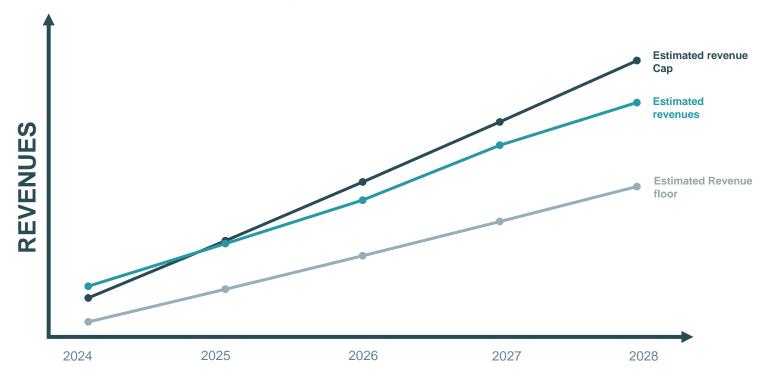


Cumulative revenues are annualised and looked at on a year-by-year basis

Accounting wise a provision is booked for the expected amount of excess revenues that is expected at the end of the assessment period

The ROE is subject to periodic reevaluation as a result of the depreciation-induced reduction in the Regulated Asset Value during each assessment period

#### Revenues on a cumulative 5-year basis in € million





# **Financing Our Future**

### Organic growth driving value creation



#### PLANNED INVESTMENT OF €30.1 BILLION

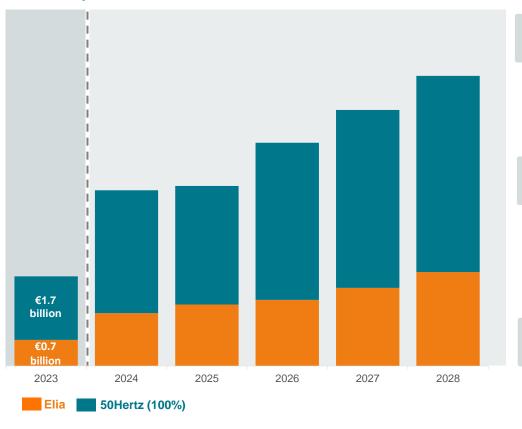
Elia | €9.4 billion 50Hertz | €20.7 billion

Annual RAB growth<sup>1</sup> 2019 - 2023

~6%

Annual RAB growth<sup>1</sup> 2024 - 2028

~19%



### **FINANCIAL POLICY**

Rating commitment

**BBB** rating Elia Group

**BBB+** rating ETB

**BBB** rating Eurogrid

Capital structure

ETB ~40% equity I 60% debt

to average RAB

Eurogrid ~25% equity I 75% debt to total assets

Dividend policy

Elia Group's dividend increasing with CPI in Belgium

<sup>&</sup>lt;sup>1</sup>Includes 80% of 50Hertz RAB.

## **Investment plan Elia Group**



| Group            | 2024          | Beyond 2024               | CAGR <sup>2</sup> |
|------------------|---------------|---------------------------|-------------------|
| CAPEX            | €4.7 billion  | €30.1 billion (2024-2028) |                   |
| RAB <sup>2</sup> | €15.1 billion | €33.0 billion (2028)      | ~19%              |
| ETB              | 2024          | Beyond 2024               | CAGR <sup>2</sup> |
| CAPEX            | €1.4 billion  | €9.4 billion (2024-2028)  |                   |
| RAB <sup>2</sup> | €7.2 billion  | €13.5 billion (2028)      | ~18%              |
| 50Hertz          | 2024          | Beyond 2024               | CAGR <sup>2</sup> |
| CAPEX            | €3.3 billion  | €20.7 billion (2024-2028) |                   |
| RAB <sup>2</sup> | €8.0 billion  | €19.5 billion (2028)      | ~25%              |

<sup>&</sup>lt;sup>1</sup>Includes 80% of 50Hertz. <sup>2</sup>CAGR is defined over a 5-year period.

## Financial performance per segment



| Belgium                               | 2024  | Beyond 2024 |  |  |
|---------------------------------------|---|-------------|--|--|
| Net Profit                            | €200-€230 million¹                                  |             |  |  |
| ROE (IFRS)                            | Average of 7%-8% over period 2024-2027 <sup>2</sup> |             |  |  |
| Germany                               | 2024  | Beyond 2024 |  |  |
| Net Profit <sup>3</sup>               | €245-€275 million                                   |             |  |  |
| ROE (IFRS)                            | Average of 8%-10% over period 2024-2028             |             |  |  |
| Non-regulated & Nemo Link 2024        |   |             |  |  |
| Net Profit Loss of €35 to €45 million |   |             |  |  |

<sup>&</sup>lt;sup>1</sup>Based on estimated 10-year OLO of 3.3% for 2024. <sup>2</sup>Based on average 10-year OLO of 3.2% over 2024-2027. <sup>3</sup>Represents 100% of 50Hertz.

### Financial performance Elia Group



| Elia Group                           | 2024                               | Beyond 2024                      |
|--------------------------------------|------------------------------------|----------------------------------|
| Net Profit (Elia share) <sup>1</sup> | €335 - €385 million                | CAGR of ~20%<br>period 2024-2028 |
| ROE (adj.) <sup>2</sup>              | 7%-8%                              |                                  |
| EPS (Elia share)                     | Double digit EPS CAGR over 5 years |                                  |
| Dividend                             | Increasing with CPI in Belgium     |                                  |

<sup>&</sup>lt;sup>1</sup>Net profit (Elia share) or net profit attributable to owners of ordinary shares: Net profit – non-controlling interest – hybrid securities

<sup>&</sup>lt;sup>2</sup>The return on equity is the net profit attributable to ordinary shareholders divided by the equity attributable to ordinary shareholders adjusted for the value of the future contracts (hedging reserve).







**Relations** 

### **Yannick Dekoninck**

#### **Stéphanie Luyten**

### **Maryline Vaeremans**