

Paris Session 2022



Establishing a climate strategy for transmission activities at the Elia Group

SC C3

PS1 - question 1.4

Vincent Du Four, Belgium



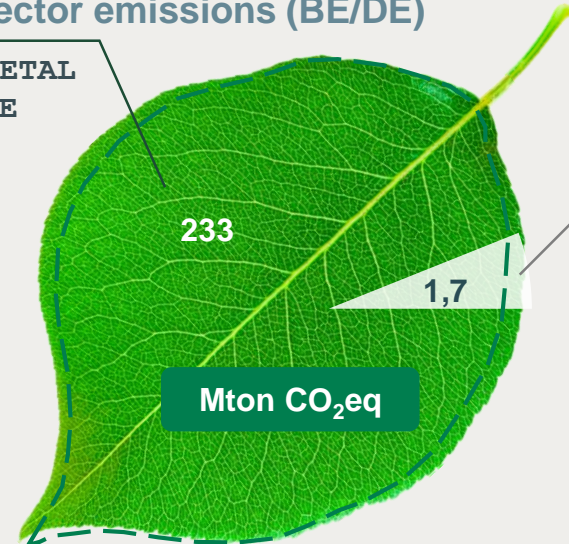
The Elia Group defined five key ambitions for sustainability

Connecting our activities to the UN Sustainability Development Goals (SDGs)



Power sector emissions (BE/DE)

OUR SOCIETAL CHALLENGE



Own emissions

OUR CORPORATE CHALLENGE

As TSO's we are in a **unique position to integrate RES** in order to drive the decarbonisation of the power sector

At the same time, we fully embrace our **corporate responsibility** and reduce our own emissions

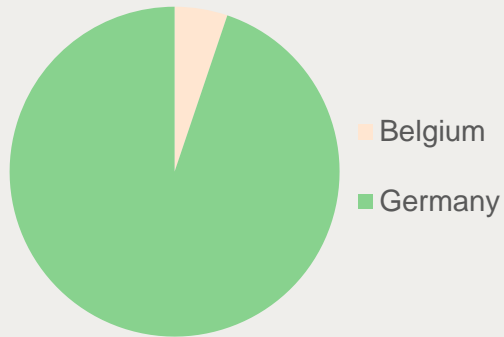
Our 4 objectives towards decarbonisation

Our societal challenge

Our focus:

- Grid development
- Market development & system operations
- Electrification

233,070 ktCO₂eq



OBJECTIVE 1

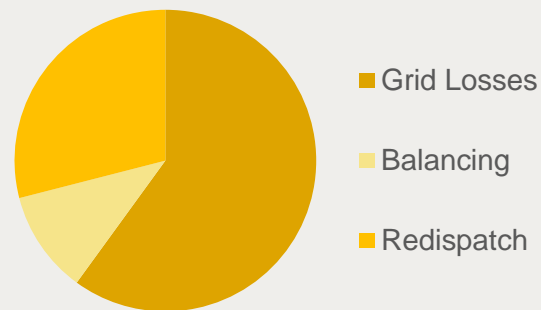
Speed-up decarbonization of the power sector

Our corporate challenge

Our focus:

- Grid losses
- Balancing & redispatch

963 ktCO₂eq*



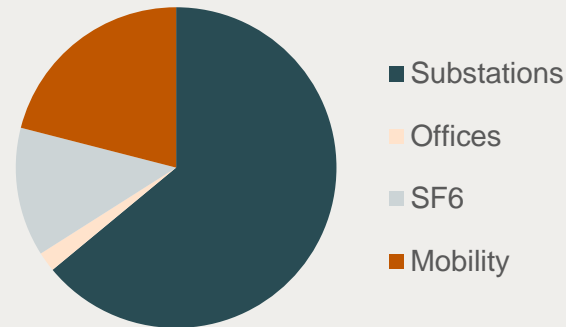
OBJECTIVE 2

Reach carbon neutrality in system operation by 2040

Our focus:

- Offices & substations
- SF6
- Mobility

76 ktCO₂eq



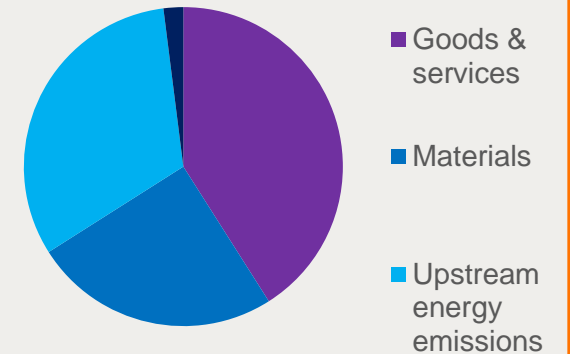
OBJECTIVE 3

Reach carbon neutrality in own activities by 2030

Our focus:

- Procurement & technical design

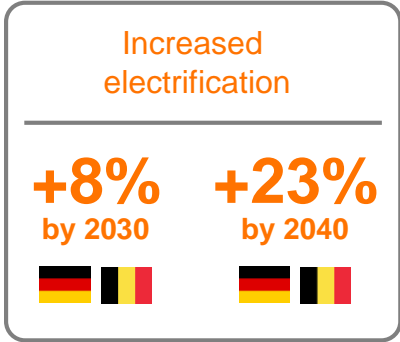
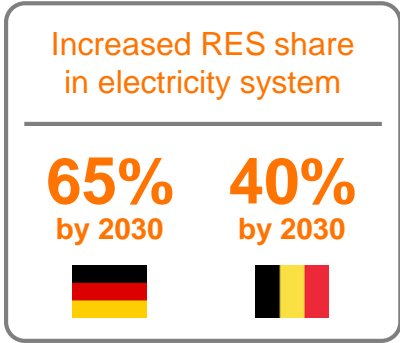
646 ktCO₂eq



OBJECTIVE 4

Move towards a carbon neutral value chain for new assets & construction works

Speed-up decarbonisation of the power sector



Facilitate **RES integration**:

- Grid development
- Market development
- System operations

Support **Electrification** & contribute to effective sector convergence

- Grid expansion: new connections, higher capacity...
- Near real time market products, 15 minutes products, pre-qualification of new market players
- Consumer centric market design and digital solutions to integrate decentral flexibility into the power system (EVs...)
- Joint assessments with industrial players, data center providers and hydrogen producers to assess electrification potentials and main levers.

OBJECTIVE 1
Speed-up decarbonization of the power sector

OBJECTIVE 2
Reach carbon neutrality in system operation by 2040

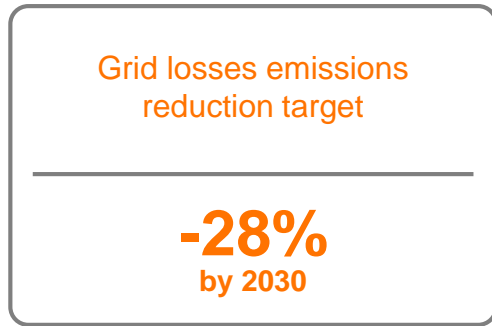
OBJECTIVE 3
Reach carbon neutrality in own activities by 2030

OBJECTIVE 4
Move towards carbon neutral value chain for new assets & works



Tackling the emissions of system operations

- Minimize the increase of losses
- Explore ways to reduce emissions associated with ancillaries (even if not imputable to TSO)



- ▶ Investing in assets with lower emissions
- ▶ Thorough impact assessment for each investment decision
- ▶ Operational measures in maintenance & grid operations
- ▶ Reduce footprint of losses through green electricity procurement (PPA)

<p>OBJECTIVE 1</p> <p>Speed-up decarbonization of the power sector</p>	<p>OBJECTIVE 2</p> <p>Reach carbon neutrality in system operation by 2040</p>	<p>OBJECTIVE 3</p> <p>Reach carbon neutrality in own activities by 2030</p>	<p>OBJECTIVE 4</p> <p>Move towards carbon neutral value chain for new assets & works</p>
--	---	---	--

Tackling the emissions of our own activities

Emission reduction from Mobility

90%
by 2030

- Carbon-free fleet by 2030
- Innovative commuting solutions
- Climate conscious Business Travel

Emission reduction from buildings

-30%
since 2018

- Continuously Improving energy efficiency of existing (substation) buildings through better energy management, heatpumps
- Own production by PV
- High efficiency criteria in future buildings

Share of **SF6-free** solutions in new assets

50%
by 2030

- Shifting away from SF6
- Continue to improve SF6 leakage management to remain well below 0.25%

OBJECTIVE 1
Speed-up decarbonization of the power sector

OBJECTIVE 2
Reach carbon neutrality in system operation by 2040

OBJECTIVE 3
Reach carbon neutrality in own activities by 2030

OBJECTIVE 4
Move towards carbon neutral value chain for new assets & works



Towards a carbon neutral value chain

Increase our carbon accounting maturity

- Increase maturity for Co₂ accounting in collaboration with our major suppliers in order to set concrete reduction targets

Introducing an Internal Carbon Price

- Introduce scope 3 criteria in our internal decision-making processes

**Mature
Scope 3 data**

60%
by 2023

**ICP fully integrated
in our
business processes**

2023

<p>OBJECTIVE 1</p> <p>Speed-up decarbonization of the power sector</p>	<p>OBJECTIVE 2</p> <p>Reach carbon neutrality in system operation by 2040</p>	<p>OBJECTIVE 3</p> <p>Reach carbon neutrality in own activities by 2030</p>	<p>OBJECTIVE 4</p> <p>Move towards carbon neutral value chain for new assets & works</p>
--	---	---	--