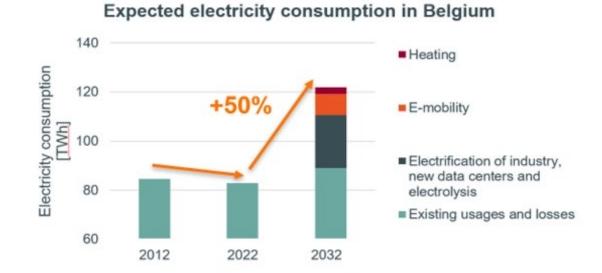




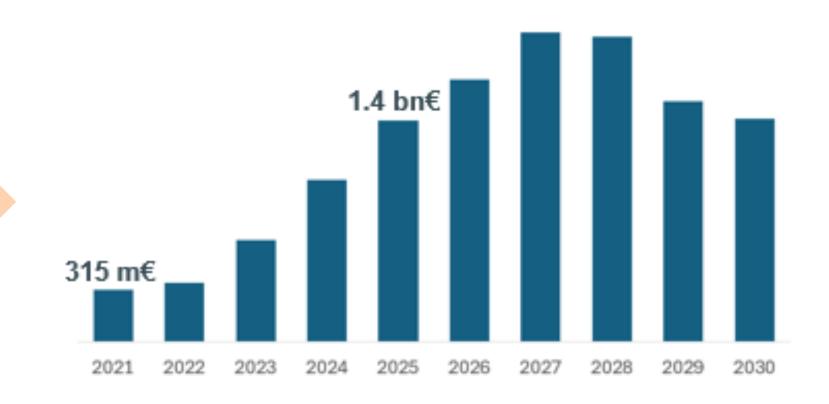
General context: grid expansion, interconnections, renewables integration, electrification

Expected changes in the energy landscape

e energy landscape ETB annual average CAPEX evolution*







^{*}estimation for illustration purpose



General context: Elia Group's challenges from 2025 onwards

AFFORDABILITY

Regulators and clients are requiring for **costs** to be kept **as minimized as possible**





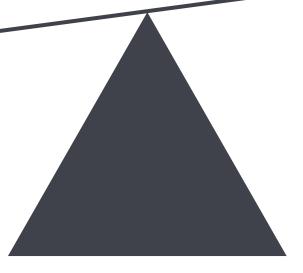
FOOTPRINT

Elia Group must reduce the environmental footprint to align with regulations (e.g. CRMA, CSRD) and certifications (e.g. ISO14001,SBTi), starting with steel.

SUPPLY CHAIN

Copper faces scarcity risk: global demand will surpass supply by up to 11% in 2030*





*Source: International Energy Agency

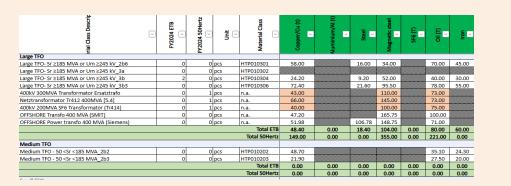


CSRD audit 2024: lessons learned

Elia is an urban mine, consuming and scrapping huge quantities of raw material

- Huge quantities of strategic raw material delivered in 2024. Great dependency on steel, aluminum and copper. Increase expected in the coming years with Princess Elisabeth island, Ventilus, and Boucle du Hainaut.
- 216,882 tons of waste generated, by our contractors on work site on ETB's demand, representing 98% of our total waste generation.
- 21% of our waste generation was not recycled in 2024 and has been disposed.

Reporting on recycled raw material

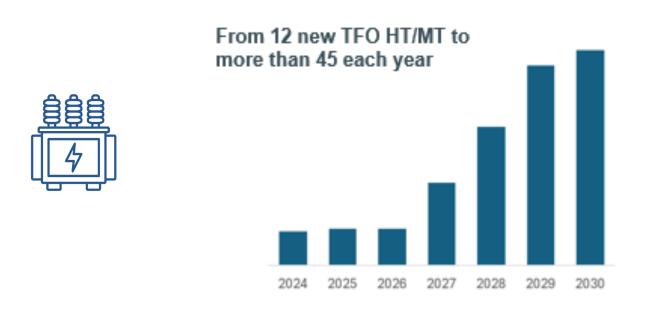


- Lot of data available via raw material passports used for the Upstream platform to calculate the CO2 emissions.
- Main dependency on copper, steel, aluminum and oil.
- Data robustness and proving documents (LCA, EPD, supplier declaration,...) to improve.

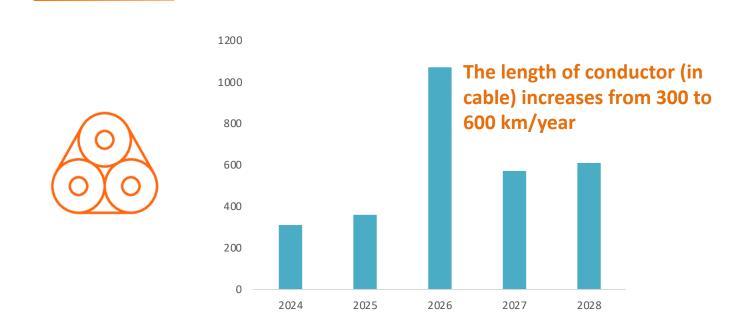


Insufficient self-sufficiency for cables and potential for TFO's

From 12 TFO HT/MT to more than 45 each year*



The length of conductor (in cable) increases from 300 to 600 km/year*



The amount of TFOs decommissioned is around 10% of the amount of new TFOs to install*

Year ~	∕ In/Out ⊻	Copper (t)	Self-Sufficiency Ratio
2025	Outflow	65.50	
	Inflow	478.10	
	Surplus (deficit)	-412.60	13.70%
2026	Outflow	142.35	
	Inflow	751.40	
	Surplus (deficit)	-609.05	18.94%
2027	Outflow	200.98	
	Inflow	2,072.50	
	Surplus (deficit)	-1,871.52	9.70%
2028	Outflow	305.98	
	Inflow	1,298.80	
	Surplus (deficit)	-992.82	23.56%
2029	Outflow	141.01	
	Inflow	2,416.62	
	Surplus (deficit)	-2,275.61	5.83%
2030	Outflow	142.35	
	Inflow	2,416.62	
	Surplus (deficit)	-2,274.27	5.89%
2025-2030	Outflow	998.17	
	Inflow	9,434.04	
	Surplus (deficit)	-8,435.87	10.58%

The quantity of underground cables decommissioned is unsignificant compared to the volume of new cables to install*

Year	In/Out	Copper (t)	Self-Sufficiency Ratio
2025	Outflow	6.052	
	Inflow	719.516	
Surplus (deficit)		-713.463	0.84%

^{*}estimation for illustration purpose



ActNow program, our compass for a sustainable way of operating the grid

and circularity as a support to reduce the environmental impact of our asset needs



Objective 2: Reduce environmental impact of our asset needs*

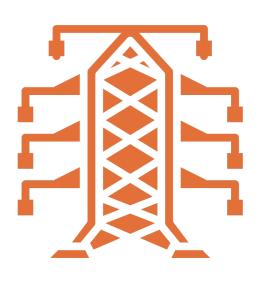
Key Result Areas

- Grid design and operation
- Grid maintenance
- Supply chain
- A. <u>Continue optimizing the grid</u> (design, construction and operation) by applying key principles in decision making
- B. <u>Continue extending lifetime of assets</u> by applying key principles in asset maintenance
- C. Reduce the environmental impact of our supply chain by starting with focusing on copper and steel, by
 - Incentivizing the use of recycled raw material in new assets
 - recycled steel by 2030
 - recycled copper by 2030
 - Maintaining our 2025 final waste production (disposed waste) proportion up to 2030

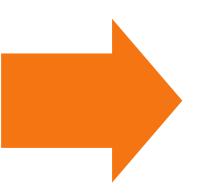


Ways to reach objectives A and B

Continue optimizing the grid and extending lifetime of assets

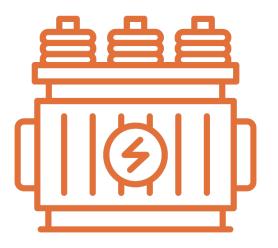


Continue optimizing
the grid (design,
construction and
operation) by applying
key principles in
decision making

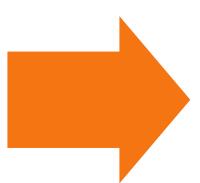


Principles for grid development:

- Plan and design our grid wo minimize the need for new assets
- Continuous reevaluation our investment decisions if fundamental parameters change
- Optimize our planning processes and tools to find the most efficient path for the development of the power grid



Continue extending
lifetime of assets by
applying key principles
in asset maintenance



Principles for asset management:

- Preventive maintenance and monitoring
- Longer lifetime expectancies than our OEM suppliers guarantee
- Relevant spare parts of assets stored
- Reuse unless chapter in the asset fleet strategies



Ways to reach objectives C

Reduce the environmental impact of our value chain



Start with steel



29 Cu Copper

Next, continue with copper

3-step approach:

- Reporting of recycled material inflow, regulations and certification
- Add recycled content criteria in specific tenders
- Explore partnerships to:
 - Develop products with recycled materials
 - Close the loop to ensure suppliers can retrieve old assets



Start with waste
management
(medium effort,
medium impact)



Improve data quality:

- Optimise, digitalise and automate data collection process
- Create extra categories for important categories like metal



Main barriers and opportunities

Main barriers

- **Documentation**: LCA or EPD of sub-contractors not always available
- Low risk appetite as the model is still theoretical, need for empirical data on logistics, traceability and costs
- Great coordination required by a central player and a digital tool like a platform to communicate transparently and trace the raw material and carbon footprint
- Lack of **financial incentives or regulatory** support to encourage these new business models
- Innovation conflicting with regulator's affordability focus
- **Reuse of TFO**: does not respect the current noise level requirements
- Conflicting regulations: environmental requirements versus local recycling

Main opportunities

- Optimise the existing potential within our urban mines
- Mitigate our supply chain risk while decreasing our carbon footprint
- Try to **rebalance the commercial relationship** with the OEM suppliers, as it is presently a supplier-based market with strong imbalance
- Create common industry standards with all TSO's
- Anticipate the EU regulation
- **Medium term vision**, it is an investment, can bring a competitive advantage





- Ecosystemic approach and innovation and experimentation at company level
- Transition takes time, inspiration, success stories and a reliable framework
- Realistic circular objectives in line with market reality and potential
- Provide feedback and advocate for reducing barriers, engage regulators and lawmakers, help **establish our industry standards** and necessary frameworks and think cross-industry to generate new circular business models and tackle the common barriers and opportunities.
- **Digitalise and standardize** when possible (e.g. use the Upstream Platform and standard LCA data)



Thank you very much for your attention.

Any questions?