

Renewables-focused integrated utility and the largest energy group in the Baltics

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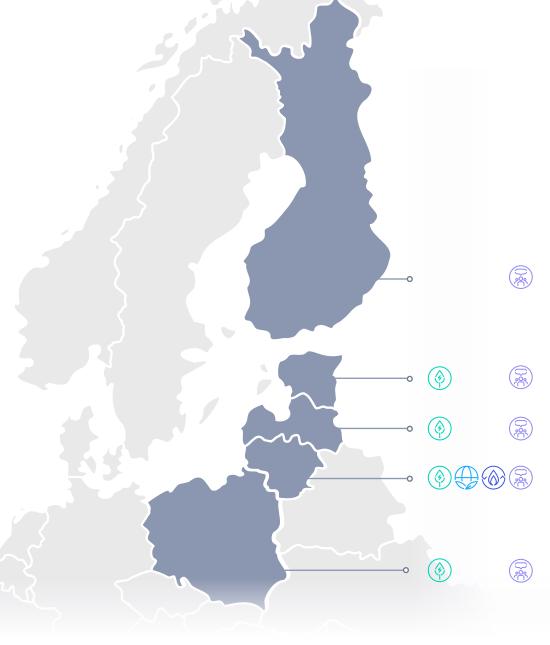




Ignitis Group

Renewables-focused integrated utility and the largest listed company in the Baltics

- 4-5 GW of installed Green Capacities by 2030
- **Net zero** emissions by 2040–2050
- Focus on green generation and green flexibility technologies: onshore and offshore wind, batteries, pumped-storage hydro and power-to-X
- Integrated business model: benefiting from the largest customer portfolio, energy storage facility, and network in the Baltics
- Active in the Baltic states, Poland and Finland













Customers & Solutions



Purpose

Our purpose is to create a 100% green and secure energy ecosystem for current and future generations



We fulfil our purpose by leading the regional transition into a climate-neutral, secure and independent energy ecosystem and contributing to Europe's decarbonisation by facilitating renewable energy flows from Northern to Central Europe (incl. Germany).

By leading the regional transition in Lithuania and the Baltics, we strive to become one of the first 100% green energy systems in Europe.

By energy ecosystem we mean the combination of the multiple interdependent parties involved in the generation, consumption, transformation and transportation of clean energy (including industry, transport and heating).



Integrated business model

We are utilising integrated business model to maximise potential

Green Capacities



46%

#1 in Lithuania1 Installed capacity: 1.4 GW Pipeline: 6.3 GW #2 in the Baltics1 Total portfolio: 7.7 GW

Strategic focus

Delivering 4-5 GW of installed green generation and green flexibility

capacity by 2030

Customers & Solutions



The largest customer portfolio in the Baltics:

Utilising and further expanding our customer portfolio to enable the

Adjusted EBITDA 2023

484.7 **EURm**



37%

10%

Networks

Fully regulated country-wide natural monopoly Regulated asset base (RAB): EUR 1.6bn

Strategic focus

Expanding a resilient and efficient

#1 in the Baltics²

network that enables electrification

Reserve Capacities

Highly regulated gas-fired power plants mainly operating as system reserve

Strategic focus

Contributing to the security of the energy system

#1 in Lithuania1 #2 in the Baltics1



1.4 million customers

Strategic focus

Green Capacities build-out



² Based on the network size and the number of customers.

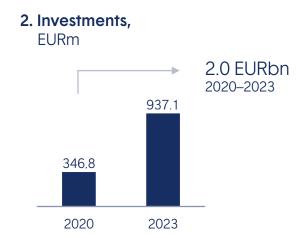
Note: data, except Adjusted EBITDA, is as of 31 March, 2024.

#1 in the Baltics³

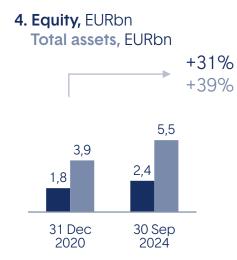
³ Based on the number of customers.

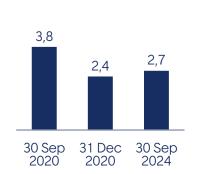
Successful track record









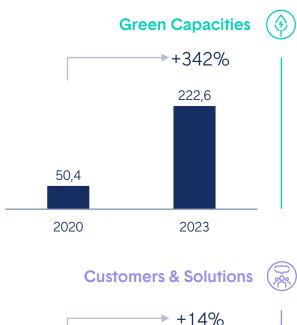


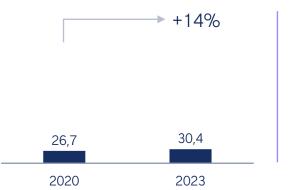
5. Net Debt / Adjusted EBITDA,

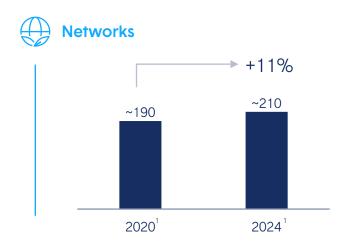
Times



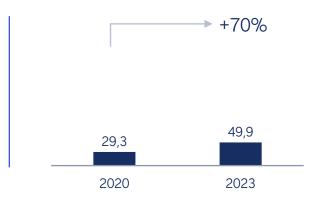
Growth across all segments, driven by Green Capacities















Context

Alignment and commitment to Europe's decarbonisation and ensuring energy security in our region

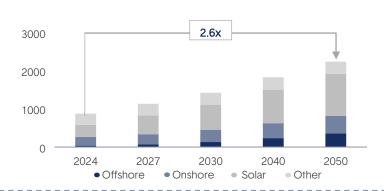
Decarbonisation: EU action and climate related targets

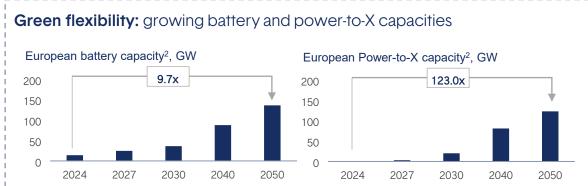
The European Union proposes ambitious net greenhouse emissions reduction targets¹

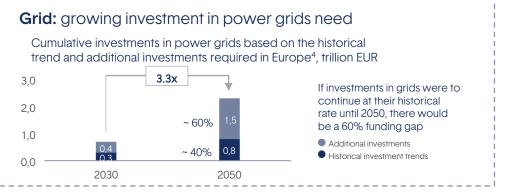


Energy security: scaling-up and speeding-up of renewable energy









¹ Source: European Commission. <u>Factsheet - Europe's 2040 climate pathway</u>.

² Source: ICIS

³ Wind energy capacity targets for the EU defined in the European Wind Power Action Plan: 510 GW by 2030 (whereof offshore renewable energy targets for the EU: at least 111 GW by 2030 and 317 GW by 2050). Source: Company analysis based on EUR-Lex - 52023DC0669 - EN - EUR-Lex (europa.eu), EUR-Lex - 52023DC0668 - EN - EUR-Lex (europa.eu).

⁴ Source: European Round Table for Industry "Strengthening Europe's Energy Infrastructure" 2024 March.

Significant opportunities for green energy expansion in the Baltics and Poland

Lithuania: Structural electricity deficit

Only ~40% of electricity consumption is covered by national generation in 2021–2023 on average¹. The country aims to become self-sufficient and electricity-exporting, therefore, a significant build-out of domestic generation assets is expected.

Estonia: Phase-out of oil shale

More than half or ~57% of Estonia's electricity production in 2022³ was from oil shale (49% in 2021), and there is a growing need to further develop new renewable capacities to cover the phase-out of oil shale.

The Baltics: terminated electricity and gas imports from Russia & Belarus

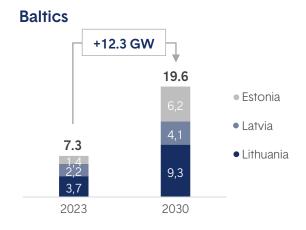
Electricity imports from Russia and Belarus were terminated region-wide following Russia's war in Ukraine. These imports are expected to be replaced by domestic renewables.

Poland: Transition away from coal generation

Coal generation represented **61%** of the generation mix in Poland in 2023² (70% in 2022). This is expected to gradually decline further and be replaced by renewable energy.

Green energy development forecast, installed capacity GW^{4,5} (in the Baltics and Poland)







x ignitis

11/37

¹ Source: Litgrid. National electricity demand and generation: Litgrid. National electricity demand and generation.

² Source: Ember. Poland electricity generation by source: Europe | Electricity Transition | Ember (ember-climate.org).

³ Source: Statistics Estonia. Oil shale electricity production: Oil shale electricity production increased last year | Statistikaamet.

⁴ Installed capacities include: wind, solar, bio, hydro and battery assets.

⁵ Source: Company analysis based on ICIS, Litgrid, ENTSO-E.





Green Capacities

Strategic priorities:

Delivering 4–5 GW of installed green generation and green flexibility capacity by 2030 with a focus on:

- Onshore and offshore wind
- Batteries, pumped-storage hydro and power-to-X

Focus markets:

The Baltic states and Poland

We are also exploring new opportunities in other EU markets undergoing energy transition

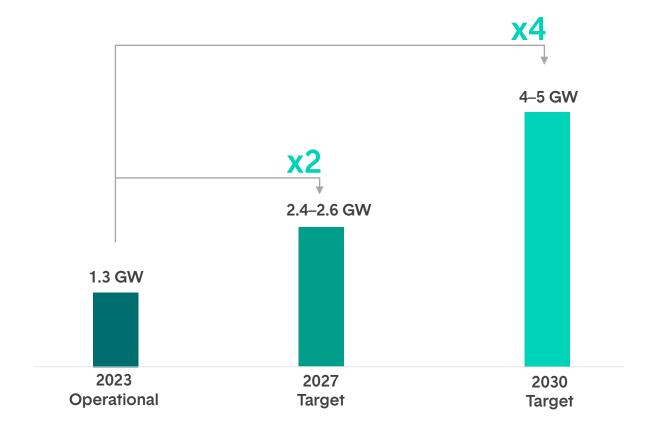






Green Capacities targets

2027: 2.4–2.6 GW¹ 2030: 4–5 GW¹



Current Portfolio

7.7 GW
Total
Portfolio

1.4 GW Installed Capacity

3.1 GW Secured Capacity





We focus on technologies that can deliver a 100% green and secure energy ecosystem

Green generation technologies

Focus technologies



Onshore wind

The conditions in the Baltics and Poland are favourable for onshore wind development as there are no natural barriers (such as mountains) that can block wind, and it has low population density.



Offshore wind

Offshore wind development is seen as the backbone of our Green Capacities expansion strategy.

Complementary technologies



Solar

Used in cases where it adds value (e.g. higher utilisation of existing grid connections, synergies from common infrastructure, securing grid connections).



Hydro, biomass and waste-to-energy

Baseload generation profile with additional flexibility

Green flexibility technologies

Focus technologies



Batteries

Enables integration of renewables by facilitating demand management, improves grid reliability while limiting output curtailment.

short-term storage



Pumped-storage hydro

Very large balancing capacities that enable future renewable energy growth in the region.

middle-term storage



Power-to-X technologies

Potential solutions for attaining global climate goals and decarbonizing industry, transportation and power generation.

long-term storage

additional flexibility





Our target

We aim to build at least

2 offshore wind projects in the Baltics

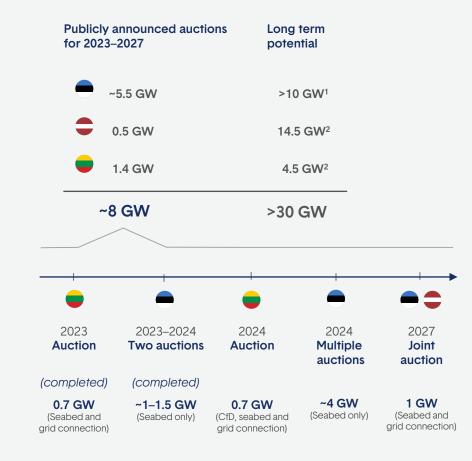


- one project in Lithuania (COD ~2030)
- at least one more project in the Baltics (COD post 2030)

The status³ of our offshore wind development projects:

	Seabed secured	EIA	Grid secured	FiD
Lithuanian offshore WF 0.7 GW COD ~2030	~	() In progress	~	-
Estonian offshore WF 1–1.5 GW (two sites) COD ~2035	~	-	-	-

✓ Offshore wind potential in the Baltics





¹ Ministry of Economic Affairs and Communication of the Republic of Estonia.

² Study on Baltic offshore wind energy cooperation under BEMIP.

³ As of 31 March, 2024.



Onshore wind 🔭



Green generation

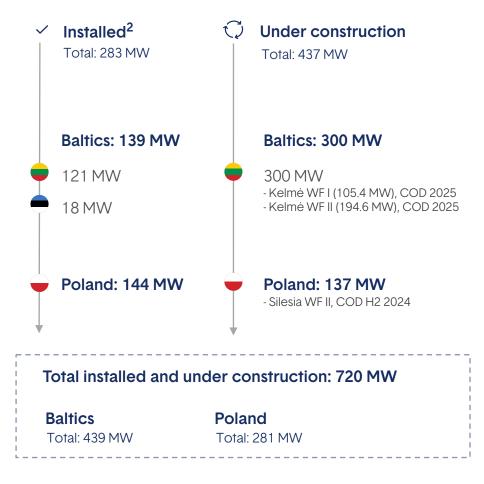
Our target

>700 MW

onshore wind capacity installed by 2027

The conditions in the Baltics and Poland are favourable for onshore wind development as there are no natural barriers (such as mountains) that can block wind, and it has low population density

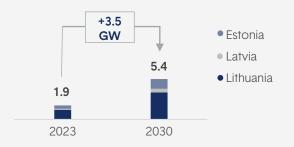
Our progress:



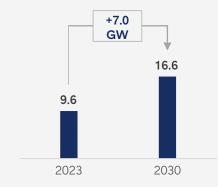
Onshore wind development forecast in the Baltics and Poland

Total onshore wind installed capacity ~22 GW in 20301

Baltics



Poland







Complementary technologies

Green generation and green flexibility technologies



Our target

>400 MW

solar capacity installed by 2027

Solar technology will be used in cases when it adds value by creating a more stable generation profile. Hybrid technology generation ensures higher utilisation of available grid capacities and a more stable generation profile.

Our progress:



Solar capacity under construction²

Total: 291.1 MW



Baltics: 261.1 MW

- Lithuanian solar Portfolio (22.1 MW), COD 2024



- Latvian solar Portfolio (239 MW), COD 2025





- Polish solar Portfolio (30 MW), COD 2024





Hydro, biomass and waste-to-energy

Green baseload (and flexible – contributing to balance of the energy system) technologies are a part of our portfolio. No further plans to expand our hydro run-of-river, biomass and waste-to-energy technologies portfolio.



Installed / under construction³

Total: 227 MW / 349 MWth



- Hydro (run-of-river): 101 MW
- Biomass: 73³ MW (+209³ MW heat capacity installed)
- Waste-to-energy: 44⁴ MW (+140⁴ MW heat capacity installed)

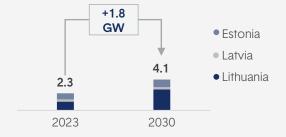


⁴ Kaunas CHP: 24 MWe / 70 MWth. Vilnius CHP waste-to-energy unit: 20 MWe / 70 MWth.

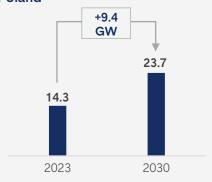
Solar development forecast in the Baltics and Poland

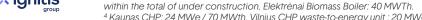
Total solar installed capacity ~27.8 GW in 20301

Baltics









¹ Source: ICIS. ENTSO-E.

³ Vilnius CHP biomass unit (73 MWe, 169 MWth) COD to be achieved, after the COD for the remaining capacity (23 MWe, 20 MWth) will be reached, therefore, it is included



Pumped-storage hydro



Green flexibility

Kruonis PSHP is one of the largest energy storage facilities in Europe:

Current capacity 900 MW

Four operating units (4x225 MW) can perform up to 300 cycles¹ per year.

The upper reservoir can hold around 48.7 million cubic meters of working water.



Expansion in 2026

+110 MW

New 5th unit (1x110MW) will provide extra flexibility.

It will also allow us to provide more balancing and ancillary services.



Capabilities post-2026 1,010 MW

All 5 turbines will be able to run at full load for ~10 hours.

10 hours x 1 GW = 10 GWh of storage capacity.

Flexibility in generation mode: 0 - 1,010 MW (pre-expansion: 160 – 900 MW)

Flexibility in pump mode: 59 – 1,010 MW (pre-expansion: 220 – 900 MW)

5th unit cycle efficiency of 76% (pre-expansion: ~71%)

5th unit max capacity reachable in 80 seconds

(pre-expansion: 180 seconds)





Batteries **4**



Green flexibility

Our target

Commercialscale batteries by 2027

Batteries

Batteries enable integration of renewables by facilitating demand management, helping improve grid reliability, limiting output curtailment.

Balancing and grid services

Batteries have roles in a variety of markets – balancing, ancillary, frequency containment reserves, day-ahead and intra-day arbitrage. Rapid development of renewables in the region is increasing demand for balancing and grid services.



Power-to-X (4)

Green flexibility

Our target

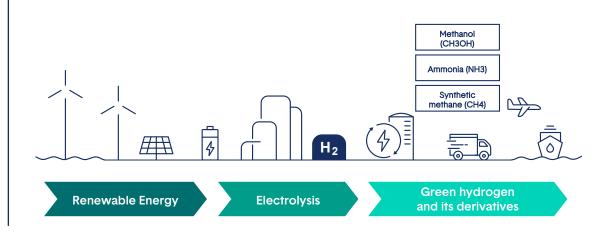
Green hydrogen production and e-fuel conversion pilot project

Green hydrogen & e-fuels

Ignitis group's strategy is to pursue the development of a pilot project, leading to the full commercialization of Powerto-X technologies in the longer term.

2nd and later stages - utility scale

Successful pilot project will pave the way to developing strategic partnerships and gaining resources for utility-scale green hydrogen and e-fuel production capabilities.

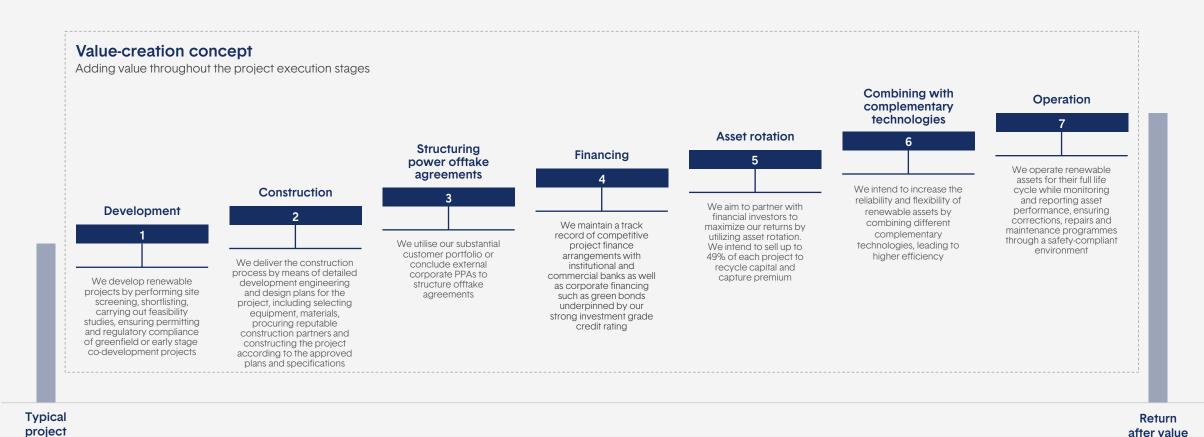






Operating model

We are delivering value across all execution stages





return

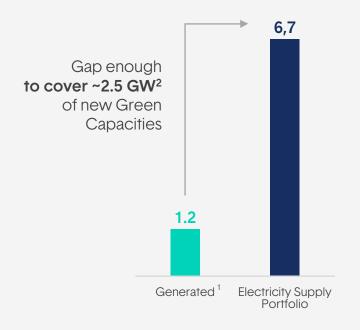
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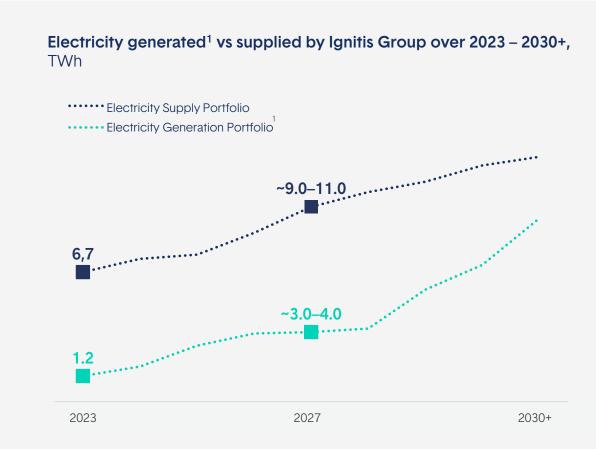


Power offtake capabilities

We utilise our supply portfolio to structure offtake agreements to enable Green Capacities build-out that creates a competitive advantage

Electricity generated¹ vs supplied by Ignitis Group in 2023, TWh









Strategic partnerships

We partner with strategic investors to adopt new technologies or enter new markets



Partnership with Ocean Winds:

adopting offshore wind technologies

Rationale

In 2020 we partnered with Ocean Winds (OW) to participate in the first 700 MW offshore wind auction and develop the first offshore wind project in Lithuania. Ignitis Group also contribute to the development of an offshore wind farm in the UK, taking a 5% stake in the Moray West wind farm, in order to gain experience and valuable know-how in offshore wind project development in other countries, which will be used to develop offshore wind energy in Lithuania.

Lithuanian offshore

WF project:

Structure

Ignitis group (51%) and Ocean Winds (49%)

Capacity

700 MW (CoD ~ 2030)

Status

The auction was won in 2023

Moray West offshore

WF project:

Structure

Ignitis Group is a minority shareholder with a stake of 5%

Capacity

882 MW (CoD 2025)

Status

Under construction (the projects has reached the financial close in April 2023)



Partnership with Copenhagen Infrastructure Partners:

participation in Estonian and Latvian offshore wind tenders

Rationale

In 2023 we partnered with Copenhagen Infrastructure Partners P/S (through its New Markets Fund I) to collaborate exclusively on offshore wind opportunities in Estonia and Latvia and intend to jointly bid in the upcoming offshore wind tenders in these countries. The partnership leverages Ignitis Group's leading market position in the Baltic region and CIP's global offshore wind expertise.

Structure

Ignitis Group (50%) and Copenhagen Infrastructure Partners (50%)

Capacity

1 – 1.5 GW (Estonian offshore WF – two seabed sites) expected to become operational around 2035

Status

The first auction was won in 2023 (Dec - Liivi 2 site) and the second - in 2024 (Jan - Liivi 1 seabed area)



efortum Partnership with Fortum:

adopting WtE technologies

Rationale

In 2015 we partnered with Fortum (a leading WtE player) to build Kaunas CHP.

Structure

Ignitis Group (51%) and Fortum* (49%)

*in 2021, Fortum has signed an agreement to sell its district heating business in the Baltics to Partners Group, a leading global private markets firm, acting on behalf of its clients.

Capacity

24 MW electricity and 70 MW heat capacity. Investments ~EUR 152m

Status

Kaunas CHP has been successfully completed and operational since 2020





Networks

Strategic priorities:

- 1. Resilient and efficient electricity distribution
- 2. Electricity network expansion and facilitation of the energy market
- 3. End-to-end customer experience

Focus market:

Lithuania







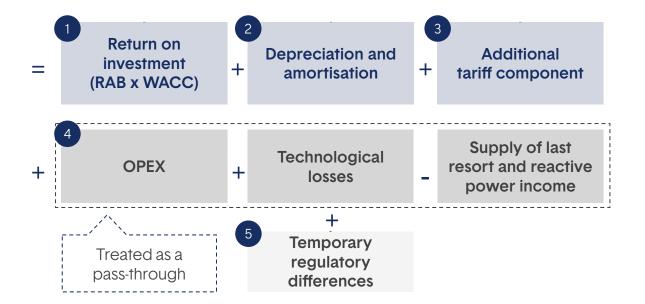
Networks regulatory framework



The largest network in the Baltics, a natural monopoly for distribution services

>99.5%¹ of the Lithuanian market

Allowed revenue







Electricity

Natural gas

Regulated Asset Base, 2024

1.3 EURbn

0.3 EURbn

Approved WACC (pre-tax), 2024

5.09%

5.03%

Regulatory periods

2022–2026 Current 2024–2028 Current

2027–2031 Next 2029–2033 Next





Strategic focus on electricity network and customers

Resilient and efficient electricity distribution



Maintenance: modernization (efficiency and resilience), automation and digitization *share of total Networks investments over 2024–2027



Network resilience

≤1.05¹

electricity SAIFI 2024-2027 avg. (per annum)

2023: 1 23 interruptions per customer



Network automation

~66%

Share of users connected to automated control lines in 2027

2023: 57%



Network efficiency

≤5.0%

Technological losses 2024-2027 yearly avg.

2023:41%

Electricity network expansion and facilitation of the energy market



Expansion to enable green electrification *share of total Networks investments over 2024–2027



New connections

~280k

new connection points and upgrades in 2024-2027

2023: 76k

Network capacity expansion

Increasing capabilities of future infrastructure enabled by arowina electrification needs

Smart meter rollout

>1.2 million

smart meters in the network in 2026

2023: 0.7 million

Facilitating the energy market's development:

- Transport electrification/EV charging

End-to-end customer experience

Standardised solutions and channels to reflect the customer needs









Data governance. quality and data modeling

NETWORKS

CUSTOMERS



Expanded data hub capabilities

Passive customer



Little reliance on new technologies

Clear and simple & processes are top priority

Only quick access to the grid is important



Customer who is active in the market



Personalised digital experience



Charging energy needs and expectations (EVs, heat pumps)



Convenient access to real-time and historic data (API, IoT)



Sustainable and smart energy management



- Energy efficiency
- Industrial electrification
- Heating electrification







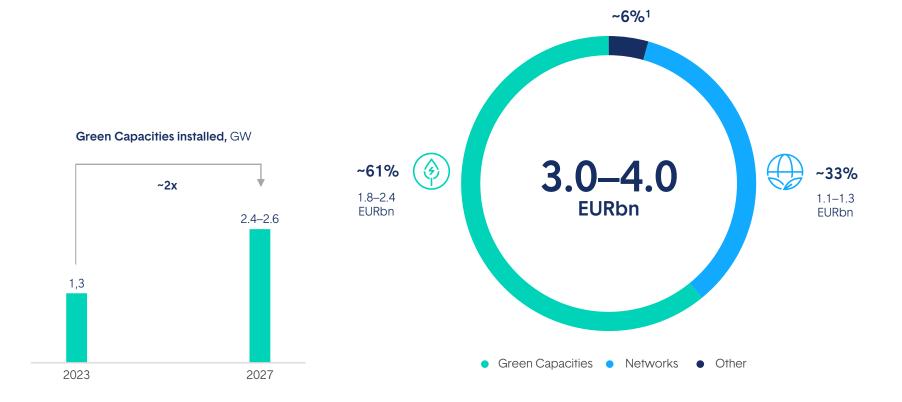
ignitis group

Investments over 2024–2027

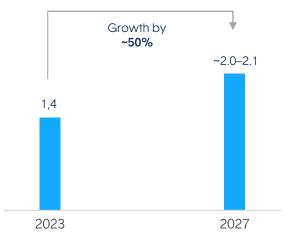
3.0-4.0 EURbn

Investments aligned with the EU Taxonomy 94.8% (2023)

≥85–90%² 2024–2027 targeted level



Regulated Asset Base, EURbn



¹ Includes Reserve Capacities segment, Customers & Solutions segment, IT and other investments.

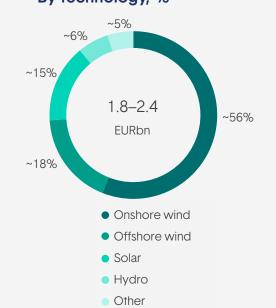


Investments over 2024–2027: Green Capacities

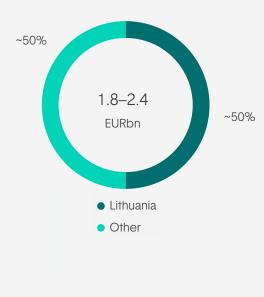


- Expansion: new capacity additions over 2024–2027¹
- Expansion: new capacity additions post 2027
- Maintenance: major repairs of existing assets

Investments over 2024–2027 By technology, %



By geography, %



Investments per MW,

mEUR/MW



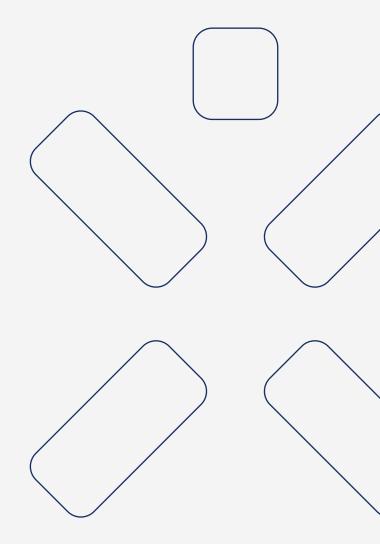




Investments over 2024–2027: Networks



- Electricity network expansion
- Electricity network maintenance and other
- Natural gas network







Target returns

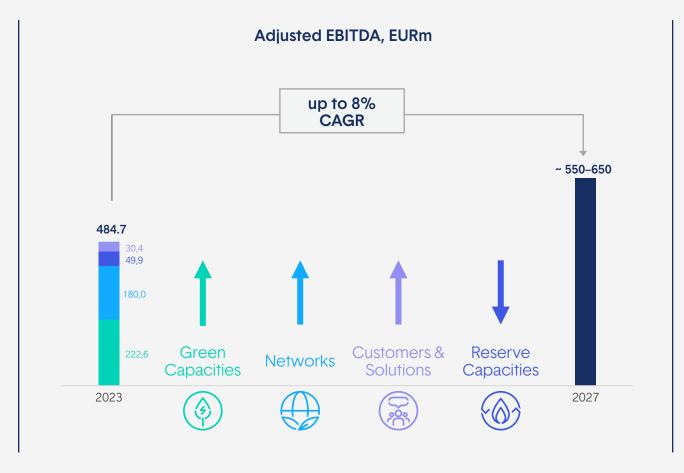
EBITDA expected to reach EUR ~550–650m in 2027, mainly driven by Green Capacities and Networks

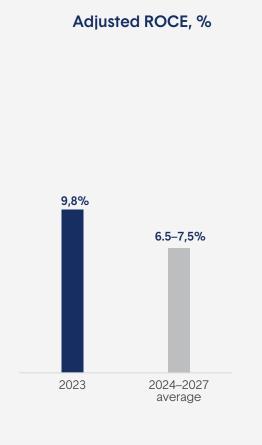
Targeted IRR-WACC spread

≥ 100 bps

in commercial/ non-regulated activities

≥ 0 bps in regulated activities





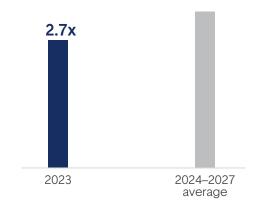




Commitment to a solid investment-grade credit rating

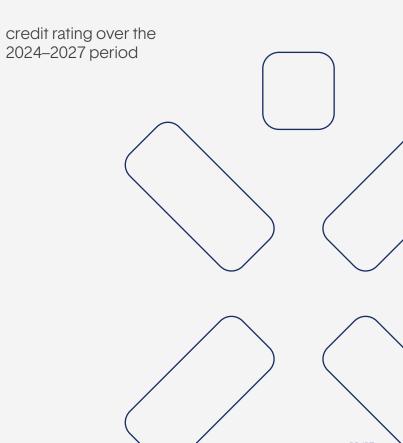
Net debt/Adjusted EBITDA

Targeted level <5.0x



We expect to maintain

BBB or above





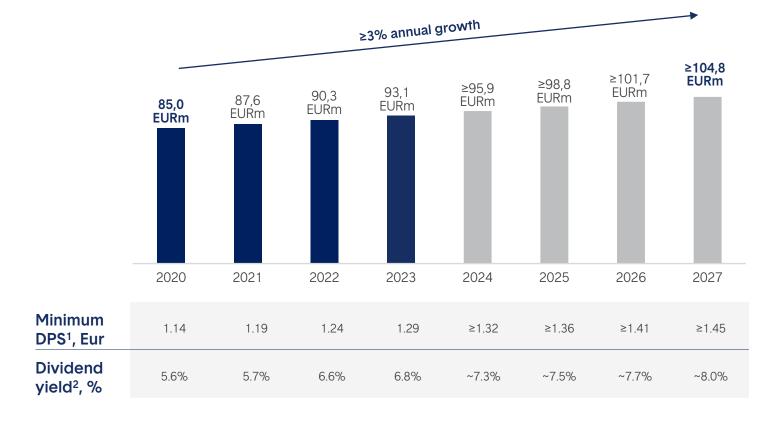


Growing dividends

We are committed to increase dividends > 3% annually

Minimum annual dividends, EURm

(declared for the financial year)



7.3-8.0% Implied dividend yield over the 2024-2027 period

Dividend policy

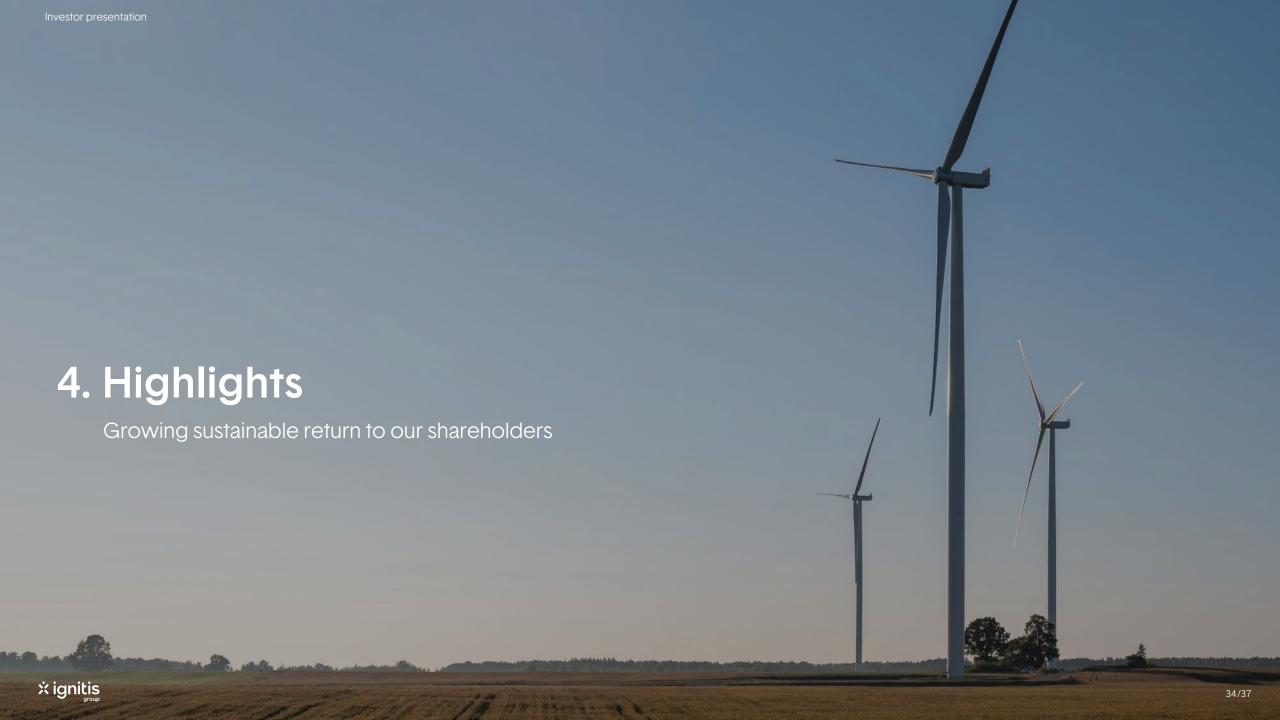
We are committed to increase dividends to shareholders at a minimum 3% annual rate.

We also have the flexibility to distribute excess cash, if available



¹ Calculated based on the No. of shares (72,388,960 ordinary shares).

² Implied dividend yield (annual) over the 2024–2027 period is calculated based on Ignitis Group's share price: 18.14 €/sh (closing price as of 25th April 2024). Dividend yield for GDRs: 6.9% in 2023.



Our equity story

An attractive blend of growth and yield

Renewables-focused integrated utility, leading energy transition in the Baltics:

- 1.4 GW operational.
- 4-5 GW target of installed Green Capacities by 2030 (x4 vs. 2022).
- >7 GW Green Capacities Portfolio (x5 vs. 2019).

Integrated business model that ensures resilient performance even in volatile market conditions:

- significant share of green flexibility capacity with one of the largest energy storage facilities in Europe.
- Networks RAB of 1.6 EURbn with double-digit growth, required to enable net zero.
- largest customer portfolio in the Baltics supporting Green Capacities growth.

Strong financial profile:

- BBB+ credit rating.

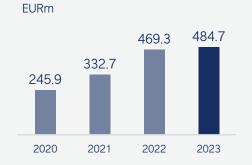
Committed to sustainability:

- target net zero emissions by 2040-2050.

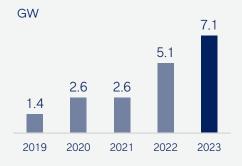
Attractive blend of growth and yield:

- Adjusted EBITDA growth of up to 8%1.
- Dividend yield of ~7-8%².

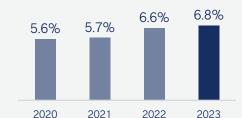
A proven track record











%

~7-8% dividend yield 2024-2027





