



ORLEN
UPSTREAM
NORWAY

Operatørkonferansen 2025

Stavanger

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 ENERGY POLICY OF POLAND

 ORLEN GROUP

 ORLEN UPSTREAM NORWAY AS

The Big Picture

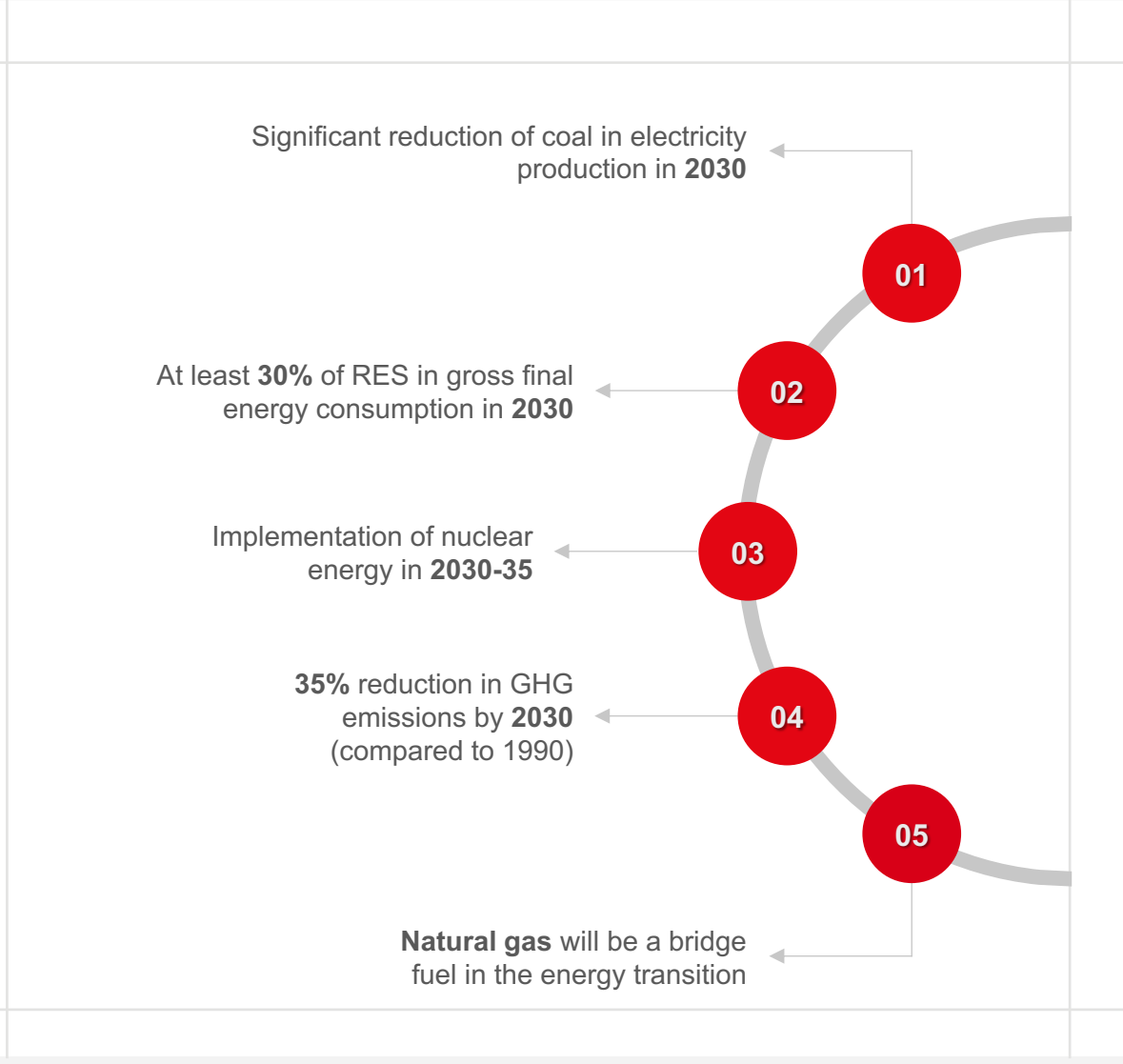


The Energy Transition- Energy Policy of Poland

Ministry of Climate and Environment

ENERGY POLICY OF POLAND UNTIL 2040

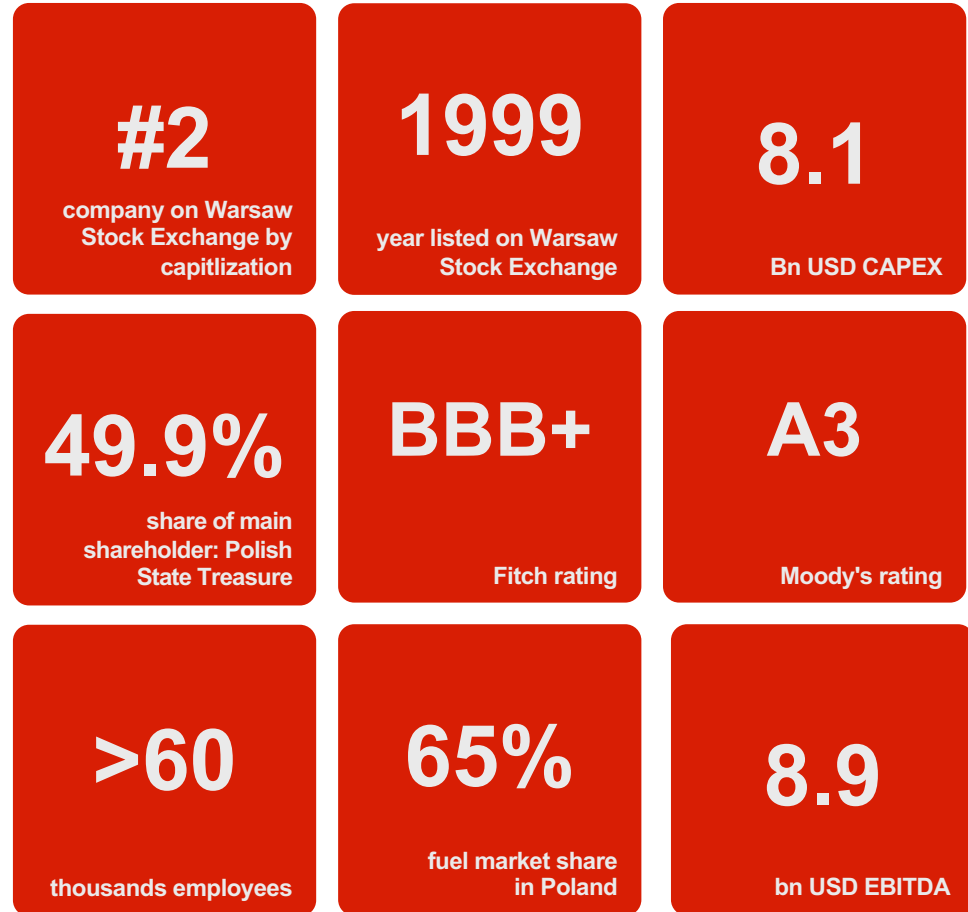
WARSAW 2021





We power **Central Europe's**
energy transition

The ORLEN Group has headquarters in Warsaw and is one of the largest company listed on the Warsaw Stock Exchange. It is one of the largest and most modern multi-utility groups in Central Europe.





ORLEN Group 2035 Strategy

THE ENERGY OF TOMORROW STARTS TODAY


Today, **we provide the region with the energy** it need

WE DELIVER NATURAL GAS FOR THE POLISH ECONOMY

 **~20** [bcm]
OF NATURAL GAS DELIVERED
TO TARGET MARKETS

 **9.1** [bcm]
OF NATURAL GAS PRODUCTION
IN POLAND, NORWAY, CANADA,
AND PAKISTAN

WE DELIVER FUELS TO THE CEE MARKET

 **38.2** [mt]
OF CRUDE OIL PROCESSED
IN 7 OF ORLEN'S REFINERIES


 **~3500**
RETAIL SITES IN POLAND, GERMANY,
CZECHIA, SLOVAKIA, LITHUANIA
& HUNGARY

WE ARE A MAJOR POWER PRODUCER IN POLAND

 **16.9** [TWh]
OF POWER GENERATION
- 3RD LARGEST IN POLAND

 **1.3** [GW]
CURRENT ONSHORE RENEWABLE
ENERGY SOURCES GENERATION
CAPACITY





WE DIRECTLY SERVE CONSUMERS IN 7 COUNTRIES

 **4** [PRODUCT GROUPS]
FUEL RETAIL, NON-FUEL RETAIL,
ELECTRICITY, GAS

 **5** [mn]
NUMBER OF VITAY ECOSYSTEM
USERS



Based on key trends and future market changes, we have defined **fundamental principles guiding our transformation**

UPSTREAM & SUPPLY	DOWNSTREAM	ENERGY	CONSUMERS & PRODUCTS
 <p>Gas as a transition fuel during coal phase-out</p> <ul style="list-style-type: none"> + Immediate need to reduce emissions from the industrial and energy sectors + Diversification as key to secure natural gas supply 	 <p>Moving towards decarbonising transport</p> <ul style="list-style-type: none"> + Increasing pace of electrification combined with continued demand for liquid fuels + EU policies and regulations aimed at introducing new alternative fuels + CO₂ costs driving decarbonisation of the production assets 	 <p>Need for zero-emission energy sources</p> <ul style="list-style-type: none"> + Growing energy consumption in the CEE Region + Scale up of wind and solar installed capacity + Improving economics of BESS 	 <p>Consumer-centricity</p> <ul style="list-style-type: none"> + Need for affordable and accessible energy in transportation, power generation and heating + Rising consciousness & demand for clean energy
<p>Securing Polish economy with up to 27 bcm of natural gas by 2035</p>	<p>Over 25%¹ of renewable energy in our fuel mix by 2035</p>	<p>13 GW of RES capacity by 2035 with BESS development Introduction and development of SMR technology</p>	<p>Providing a convenient and sustainable offering to at least 10 million loyal consumers</p>

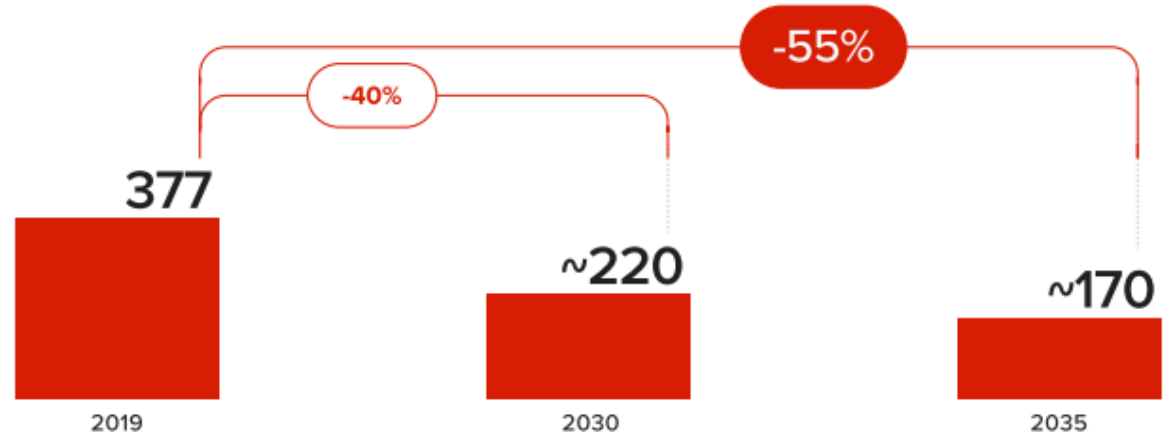
TRENDS

1. Includes the effect of multipliers defined by RED III regulations

By 2035, we will **reduce emissions intensity of our Energy operations by 55%** while phasing out coal-based power and heat generation

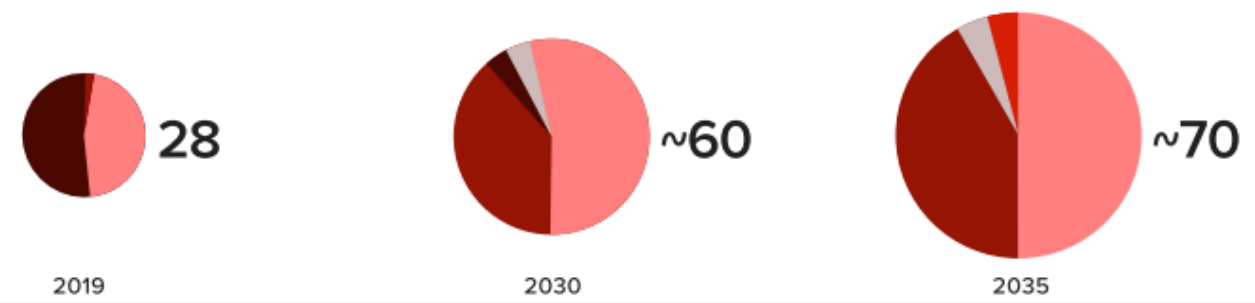


REDUCTION OF EMISSIONS INTENSITY OF ENERGY SEGMENT¹ [kg CO₂e/MWh]



POWER AND HEAT GENERATION IN THE ORLEN GROUP [TWh]

● COAL ● GAS ● RES ● SMR ● OTHER



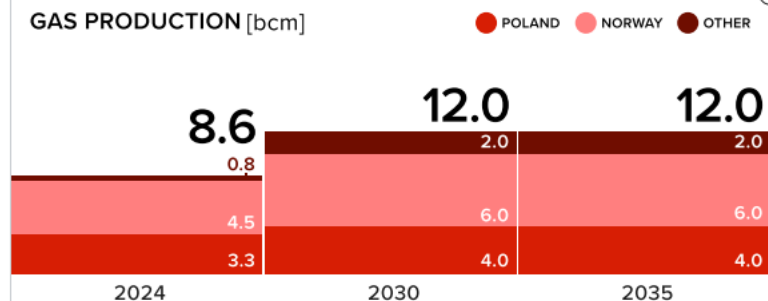
Note: Base year: 2019. The target applies to Scope 1 greenhouse gas emissions in Energy (Power and Heat), calculated on an equity share basis

Combining own gas production with LNG trading will **secure gas supplies for the Polish economy**



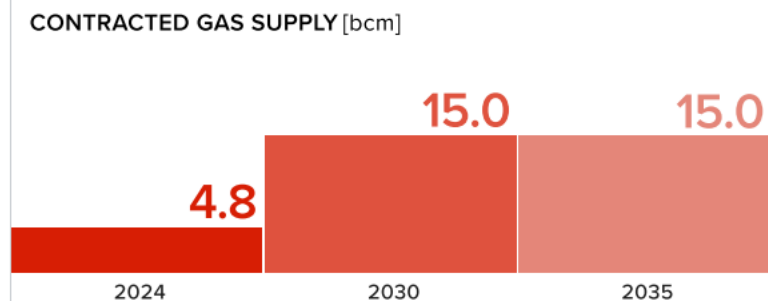
Ensuring **security of natural gas** supplies to Poland

- + Robust own gas production in Poland and abroad
- + Ensuring a flexible portfolio of LNG contracts
- + Secured infrastructure capacity for LNG & pipelines



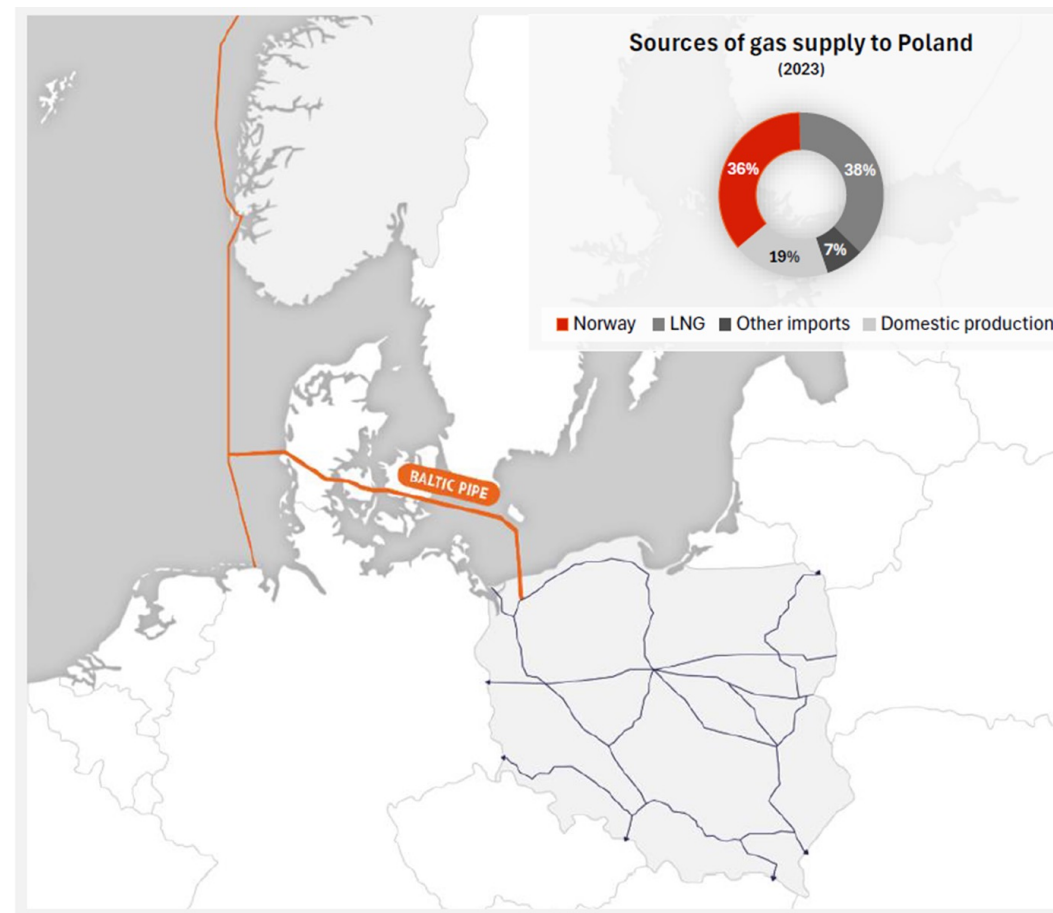
Optimised **international portfolio**

- + International natural gas midstream presence strengthened by footprint in the North American market
- + Optimisation of international upstream portfolio to ensure its best performance
- + Reducing methane emissions from upstream operations and supporting decarbonisation initiatives at ORLEN Group

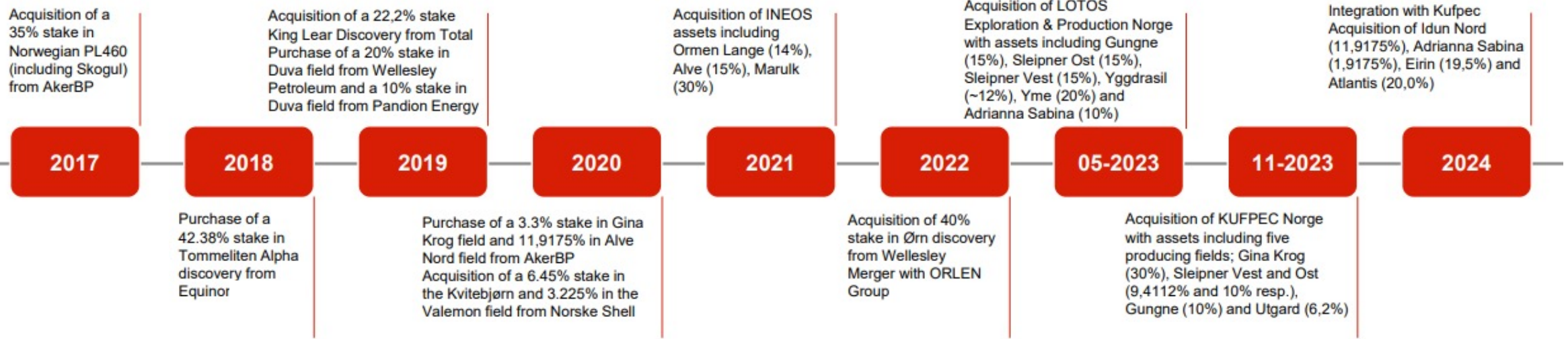


ORLEN UPSTREAM NORWAY – GAS TO POLAND

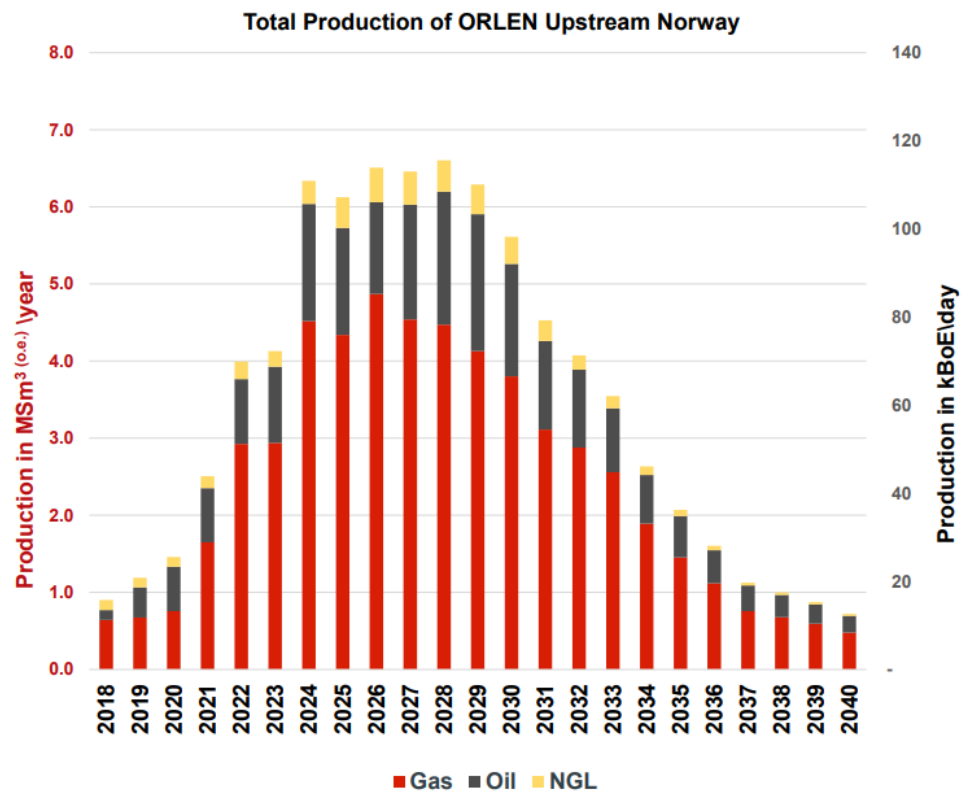
2007 year established	22,8 bNOK EBITDA 2024	17 significant M&A transactions
408 mBoE reserves EY2024	111 kBoE/day production 2024	72% share of gas in production
101 licenses on NCS	20 producing assets	8 assets in development



IT REALLY KICKED OFF



MOST INTERESTING TECHNOLOGY PROJECT ON NCS



Production in 2024:
111 kBoE/day

Reserves by the end of 2024:
407,8 mBoE

Alve Nord

License:
PL 127 C
Development:
Subsea tie-back (Skarv)
Production:
2027 – 2036

Eirin

License:
PL 048 E
Development:
Subsea tie-back (Gina Krog)
Production:
2025-2032

Fenris

License:
PL 146
Development:
Wellhead Platform unmanned
Production:
2027 – 2049

Idun Nord

License:
PL 159 D
Development:
Subsea tie-back (Skarv)
Production:
2027-2033

Ormen Lange Phase 3

License:
PL 209
Development:
Wet Gas Compression
Production :
2025 – 2047

Ørn

License:
PL 942
Development :
Subsea tie-back (Skarv)
Production:
2027 – 2035

Verdande

License:
PL 128
Development:
Subsea tie-back (Skarv)
Production:
2025 – 2029

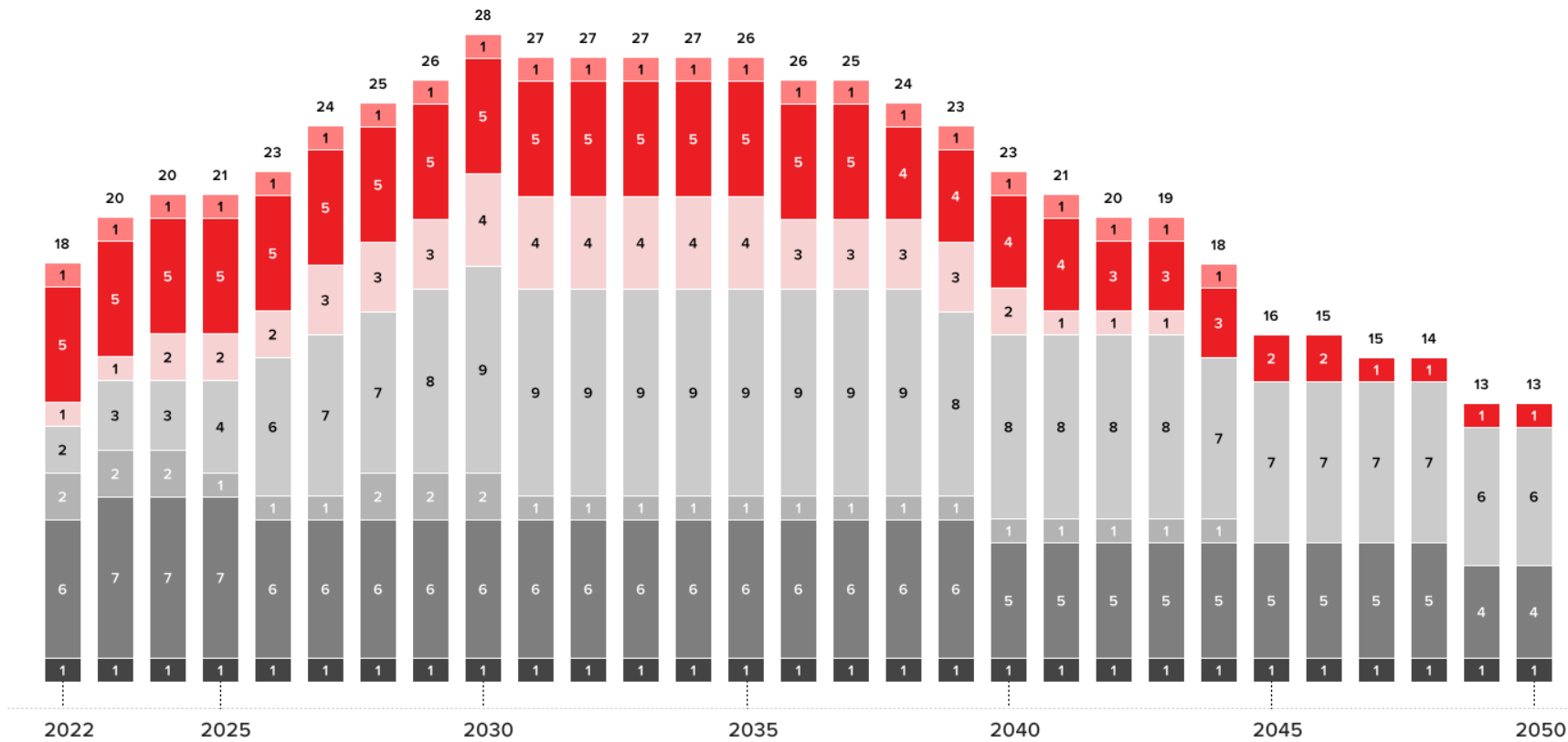
Yggdrasil

License:
Multiple
Development:
Own production platform
Production:
2027 – 2050

NORWAY WILL CONTINUE TO BE AN IMPORTANT PILLAR

GAS DEMAND IN POLAND [bcm]

2024-2050



- HOUSEHOLDS - COOKING
- HOUSEHOLDS - HEATING
- DISTRICT HEATING
- ELECTRICITY PRODUCTION
- PUBLIC SECTOR & SERVICES
- INDUSTRY
- OTHER (INCL. ROAD TRANSPORT)

THANK YOU!

