

First quarter 2024 Investor presentation

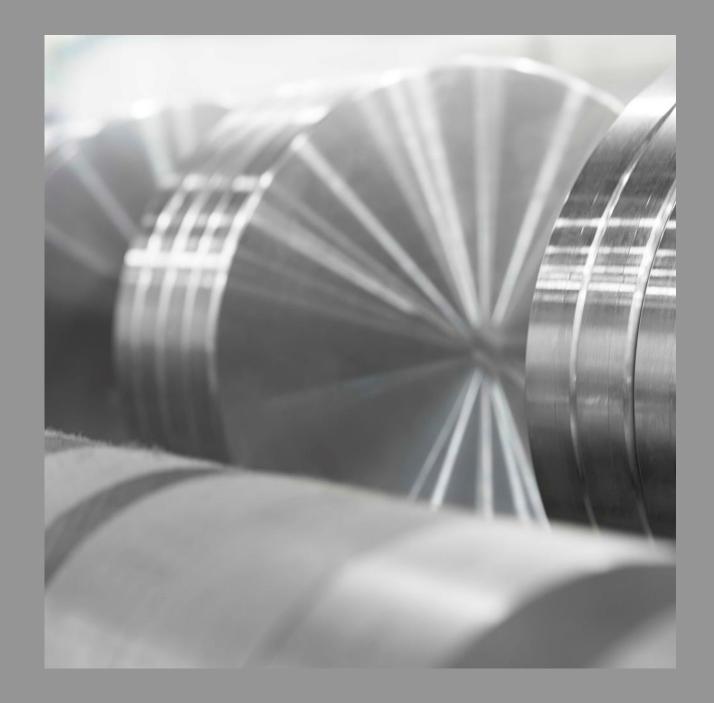


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)))) Hydro

Cautionary note

Certain statements included in this announcement contain forward-looking information, including, without limitation, information relating to (a) forecasts, projections and estimates, (b) statements of Hydro management concerning plans, objectives and strategies, such as planned expansions, investments, divestments, curtailments or other projects, (c) targeted production volumes and costs, capacities or rates, start-up costs, cost reductions and profit objectives, (d) various expectations about future developments in Hydro's markets, particularly prices, supply and demand and competition, (e) results of operations, (f) margins, (g) growth rates, (h) risk management, and (i) qualified statements such as "expected", "scheduled", "targeted", "planned", "proposed", "intended" or similar.

Although we believe that the expectations reflected in such forward-looking statements are reasonable, these forward-looking statements are based on a number of assumptions and forecasts that, by their nature, involve risk and uncertainty. Various factors could cause our actual results to differ materially from those projected in a forward-looking statement or affect the extent to which a particular projection is realized. Factors that could cause these differences include, but are not limited to: our continued ability to reposition and restructure our upstream and downstream businesses; changes in availability and cost of energy and raw materials; global supply and demand for aluminium and aluminium products; world economic growth, including rates of inflation and industrial production; changes in the relative value of currencies and the value of commodity contracts; trends in Hydro's key markets and competition; and legislative, regulatory and political factors.

No assurance can be given that such expectations will prove to have been correct. Hydro disclaims any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.



Resilient in weak markets, positioned for growth

Hilde Merete Aasheim Chief Executive Officer

April 24, 2024

Safety our key priority

TRI¹⁾ per million hours worked 12 months rolling average



HRI²⁾ per million hours worked

1) Total Recordable Injuries includes own employees and contractors

2) High Risk Incidents included own employees and contractors

3) Average over period



Q12024 highlights | Adjusted EBITDA NOK 5.4 billion



Free cash flow NOK (3.5) billion, adjusted RoaCE 5.6%

Results down on weaker demand and recycling margins, revenue drivers increasing

Increasing recycling and post-consumer scrap capacity, supporting greener product offering

Mendubim and Boa Sorte solar plants in commercial operation, securing renewable power for Hydro

Hydro Alunorte starts using natural gas, improving profitability and executing on decarbonization roadmap

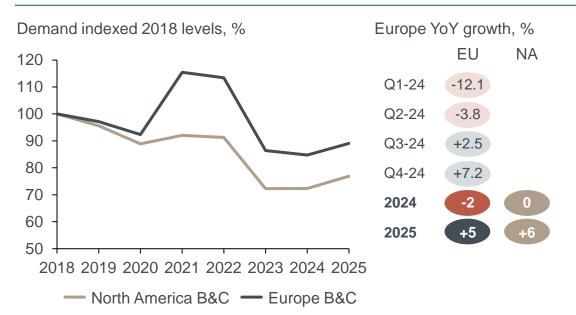
CO₂ compensation agreement supporting decarbonization and greener investments



Building & construction easing, automotive production growth moderating



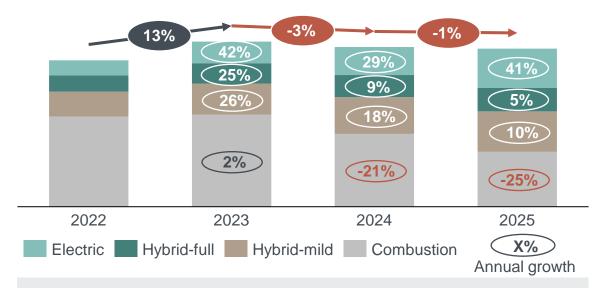
B&C at historical low, improved demand expected



- Building & construction demand in Europe and North America at historical lows
- Expecting improved demand second half of 2024 and in 2025 as policy interest rates moderate

Automotive production declining in Europe

EU light vehicle production per segment, number of units

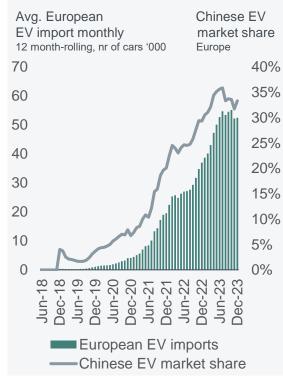


- Overall European automotive production declining in 2024
- EVs + hybrid production still growing, but less than expected and with steep competition from China
- EV growth to further accelerate in 2025

US and EU addressing Chinese EV overcapacity

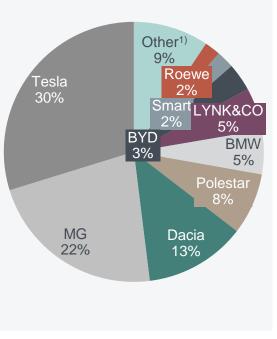
European small-medium cars seems most at risk

China EV exports to Europe accelerate



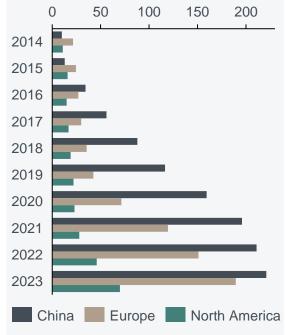
Small-medium cars most at risk in Europe

European EV imports from China Nr of cars per brand



Limited China EV exports to the US

EV models available Nr of cars per brand, per Q2 year x



Chinese EV threat to be addressed in Europe

Hvdro

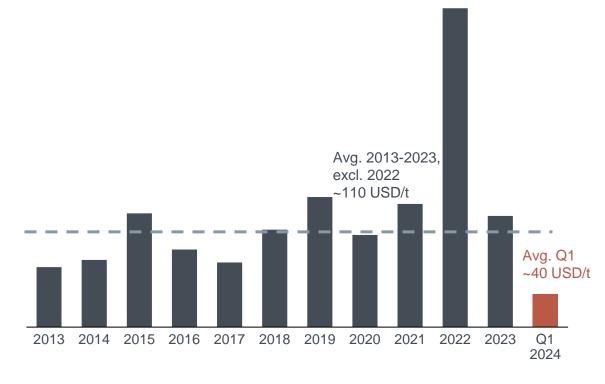
- European Commission launched investigation on subsidized EVs from China on October 4, 2023
- US with 27.5% tariff on cars made in China, whereas 9% in Europe



Recycling margins on historical low levels

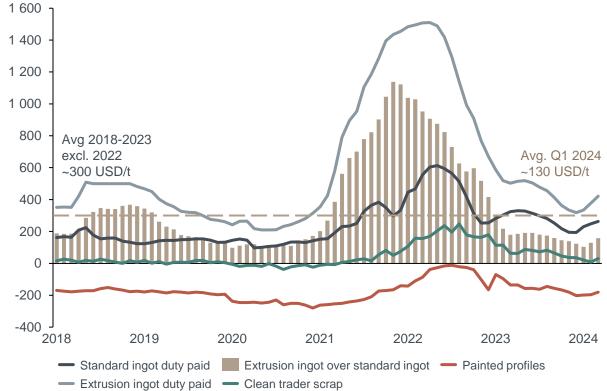
MM EI Recycling EBITDA margin¹⁾

USD/mt, nominal



On the back of weak B&C demand:

Low billet premiums, and reduced construction and demolition activity



Product and scrap premiums, USD/mt

Improvement programs on track

Enhancing robustness, adjusting to markets

Key improvement levers:



Improving operational and commercial excellence, enabled by digitalization



Expanding new products and corresponding margin contributions



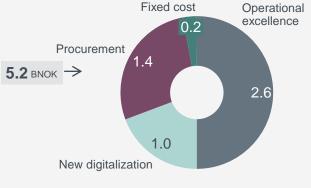
Differentiating the product portfolio and market segments to increase counter-cyclicality

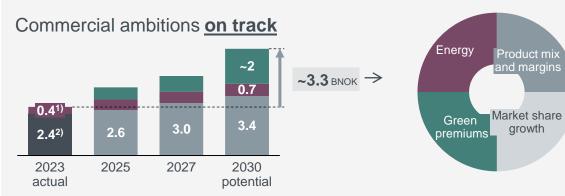


Leveraging on greener premiums





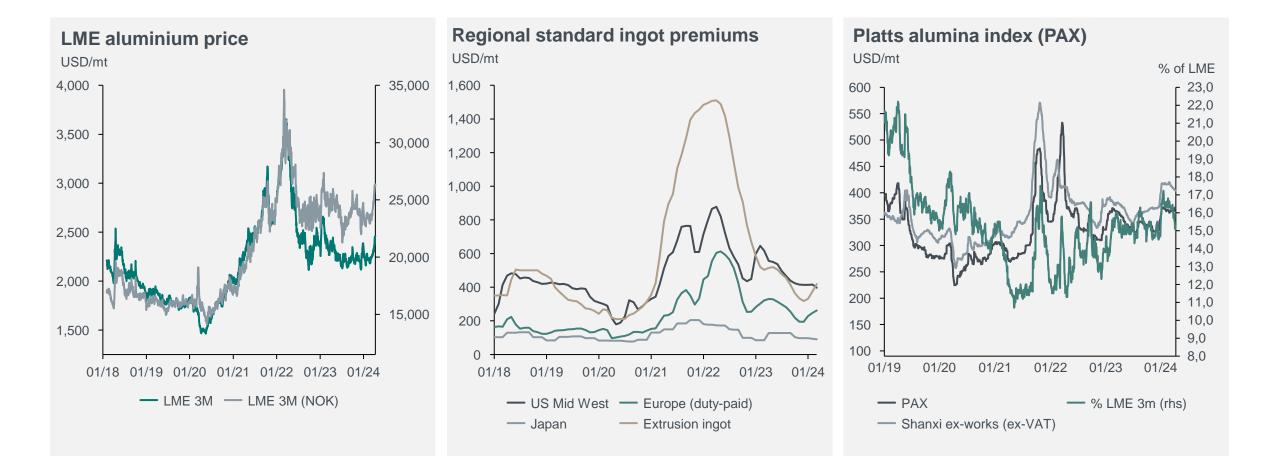




1) Added scope on top of initial target, Energy commercial improvements 2) Including greener premiums Note: Estimated NOK 1.5 billion in annual average CAPEX to meet remaining improvement and commercial ambitions.

First quarter revenue drivers trending upwards





U.S. and UK sanctions on Russian Metal

New restrictions on trading in Russian aluminium to curb funding of Russian war in Ukraine

- Hydro stopped buying Russian aluminium after invasion of Ukraine in 2022
- Many companies self-sanctioning
- U.S./UK sanctions restrict trade of Russian aluminium on global exchanges (LME/CME), ban physical import for metal produced after April 13
- U.S. and UK sanctions, a step in the right direction from western countries
- Call on the EU to sanction all Russian aluminium in the 14th package



Aluminium growth supported by the green transition and megatrends



Low-carbon to constitute 50-60% of the automotive aluminium demand in 2030



8 - 10%
Solar in EU CAGR 2022-30: $10 - 15\%$
Copper substitution potential, HVAC&R by 2030, million tonnes: 0.6

Expect ~60% of European aluminium demand to be low-carbon¹⁾ by 2030

Aluminium demand on degree of carbon emissions Figures in gross '000 tonnes Aluminium²⁾, Europe



Megatrends supporting greener growth





Hydro 2030:

Pioneering the green aluminium transition, powered by renewable energy

Key priorities towards 2030



3

Step up growth investments in Recycling and Extrusions to take lead in the market opportunities emerging from the green transition

Execute on ambitious decarbonization and

to nature positive and a just transition

technology road map, and step up to contribute



Step up ambitions within renewable power generation



Shape the market for greener aluminium in partnership with customers

Continuing to grow recycling position

Widening margins and positioning for long-term growth

- Digging deeper into the scrap pile and securing access to scrap
- Diversifying product portfolio, exposure to market segments and geographies to increase counter-cyclicality
- Promoting recycling friendly alloys to enable higher recycled content
- Differentiating with premium and specialty recycled products to secure attractive upcharges
- Pursuing strategic decarbonization partnerships with customers
- Continuing to ensure competitive cost position vs peers; leveraging scale advantages and optimizing hot metal cost

Growing recycling and postconsumer scrap capacity in Q1



Hydro Årdal opens new recycling unit



Hydro Høyanger opens new recycling facility



Securing processed scrap in North America with Sims Alumisource



Investing in scrap sorting in the UK, Wrexham

On track to deliver on 2030¹⁾ targets





1) Range based on capex. High-range include ~70% of further potential capex given market and M&A. Including Alumetal for 14 July 2023

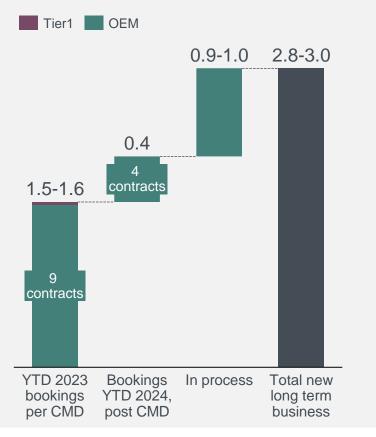
Extrusions positioning to deliver on NOK 8 billion EBITDA target



Extrusions EBITDA NOK billion EBS / Procurement / 8.0 Commercial ambitions Uplift from growth projects Underlying market recovery & growth Adjustments (costs, premiums ++) 6.5 5.7 2021 2025 2023 Uplift baseline 2024target1) 2025

Growing with the customers

OEM contracts, revenue EUR billion



Growth capacity invested



Powering the green aluminium transition

Securing renewable power for Hydro's portfolio and other industries

Hydro Energy



Signing long-term power purchase agreements (PPAs) with Statkraft and Alpiq

- Statkraft contract 1.28 TWh in period May 2024-2027, price area NO3
- Alpiq contract 0.54 TWh in period 2025-2033, price area SE3

Concession application for new hydropower plants in Røldal-Suldal progressing as planned

- In Q4 2023, Hydro and Lyse applied for concession for five new hydropower stations in Røldal-Suldal
- An upgrade and expansion of the current plants could increase capacity by 800 GWh (gross), 650 MW

Hydro Rein



Starting operations on solar projects totaling ~1 GWp in Brazil

- 531 MWp Mendubim solar plant with 736 GWh PPA to alumina refinery Alunorte
- 438 MWp Boa Sorte solar plant with 815 GWh PPA to aluminium smelter Albras

Adding more than 7 TWh potential to earlystage development pipeline in Nordics

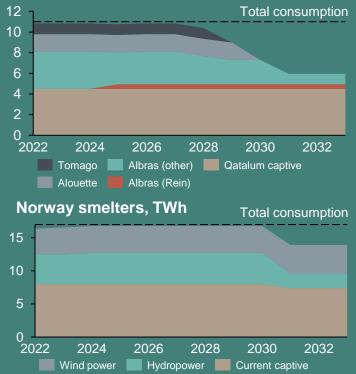
- Acquiring 80 percent stake in a 2.4 GW portfolio of wind power projects under development in Sweden and Norway, from IOWN Energy
- Partnering with Fritzøe Energi to develop renewable energy for industry in Southeastern Norway

Transaction with Macquarie Asset Management progressing as planned, finalized by end of Q2

Power sourcing for Hydro operations



Joint venture smelters, TWh



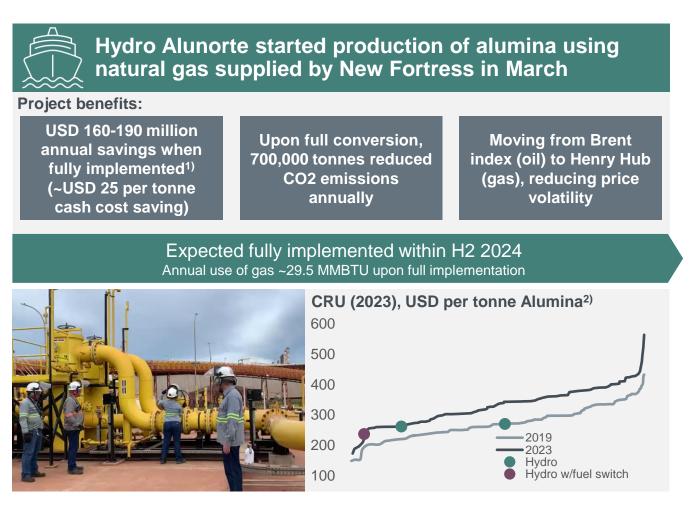
1) Total Alunorte and Paragominas, all consumption sourced through Hydro. 16 2) Qatalum captive (50%), Alouette (20%), Tomago (12.4%), Albras (51%).

Executing on ambitious decarbonization roadmap



2018	2025 10% carbon emission reduction	2030 30% carbon emission reduction	2050 (or earlier) Zero carbon emissions
Alunorte fuel switch	Partnering for decarbonization of calcination	HalZero and CCS	Emission-free plasma and bio- methane in casting
 On March 12, Alunorte started the production of alumina using gas, an important milestone on reaching 30% by 2030 	 Partnering with the research center HILT CRC* to further leverage projects and technology for decarbonization of the calcination process of producing low-carbon alumina 	 On track with both HalZero and CCS towards industrial pilot Stage 2 HalZero test facility in Herøya under construction and on plan 	 Emission-free plasma pilot with global potential at Sunndal Introduced bio-methane replacing 70% on natural gas at Sunndal.
Founded on renewable energy			4 Lø_

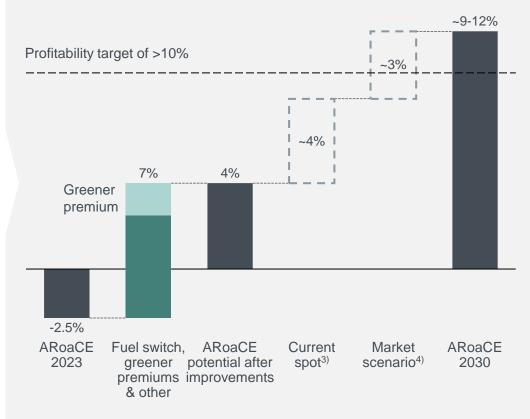
B&A lifting profitability, driving sustainability



1) USD 160 million on forward prices 2025 (first year of full effect), USD 190 million on spot as of Q1 2023

2) CRU 2023 cost curve. 3) Current market PAX of 377 USD/t versus 2023 PAX of 361 USD/t. 3) External scenario is based on CRU and S&P Global FX assumptions, real 2023 (prices indicated in appendix)

Roadmap to profitability Adjusted RoaCE potential 2030



Agreement on the indirect CO₂ compensation scheme

The agreement between industry and authorities will provide predictability, while supporting decarbonization and green investments

- Maximum annual compensation for eligible industries of NOK 7 billion¹⁾
- 40% of compensation committed to implement emission reduction and energy efficiency measures
- Subject to approval by EFTA Surveillance Authority (ESA) and the Norwegian parliament annual approval as part of the ordinary state budget process



1) Based on current production, it is estimated that Hydro will be eligible for a CO2 compensation of approximately NOK 3.2 billion for 2024, payable in 2025.

Shaping the market for greener aluminium

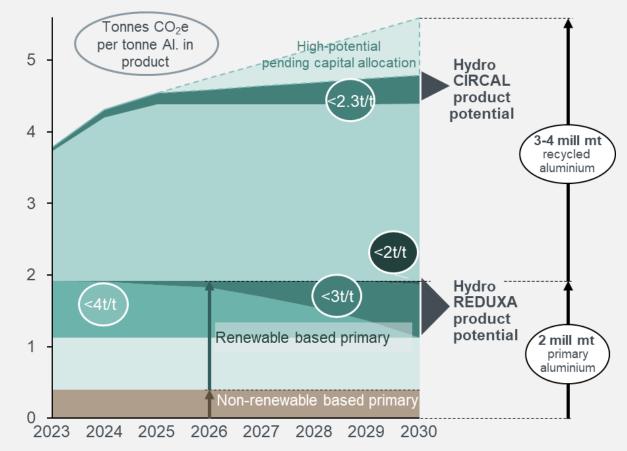
Partnering with NKT to decarbonize electricity infrastructure

- To develop a best in class, low-carbon aluminium power cable value chain for the development of Europe's renewable energy grid.
- Hydro's Karmøy plant will deliver low-carbon wire rod to NKT. Going forward, the companies will collaborate on R&D and product development.



Greener earnings uplift potential 2030: NOK 2 billion¹⁾

Million tonnes capacity potential



1) Based on 2030 EU ETS cost and relative CO_2 reduction vs Hydro REDUXA 4.0 at current industry traded upcharge. Hydro REDUXA and CIRCAL potential based on estimated certification capacity. Primary capacity based on equity share renewable power. Hydro CIRCAL products have post-consumer scrap content > 75%



Financial update

Trond Olaf Christophersen

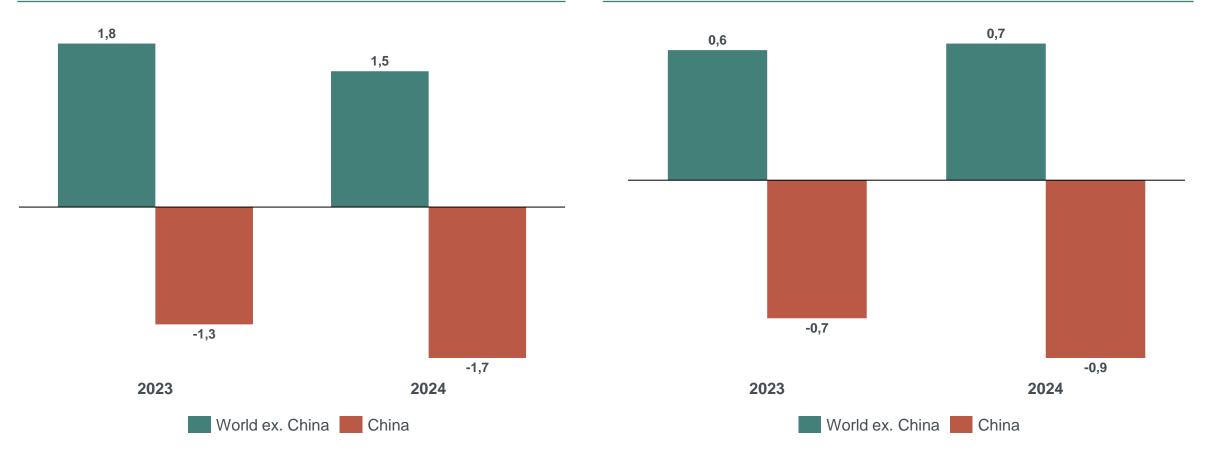
Executive Vice President, Corporate Development & acting CFO

Global market balances tightening



Estimated primary market balance (Mt)

Estimated smelter grade alumina market balance (Mt)



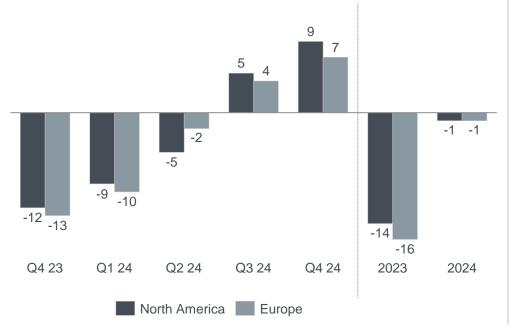
Softer extrusion demand in industrial and transport segments \mathcal{J}_{Hydro}



External market forecasts*

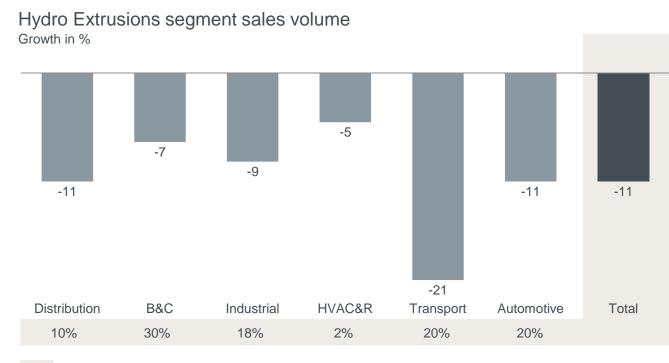
Year over Year

Extrusion market growth per quarter and annually Growth in %



Extrusion sales volumes

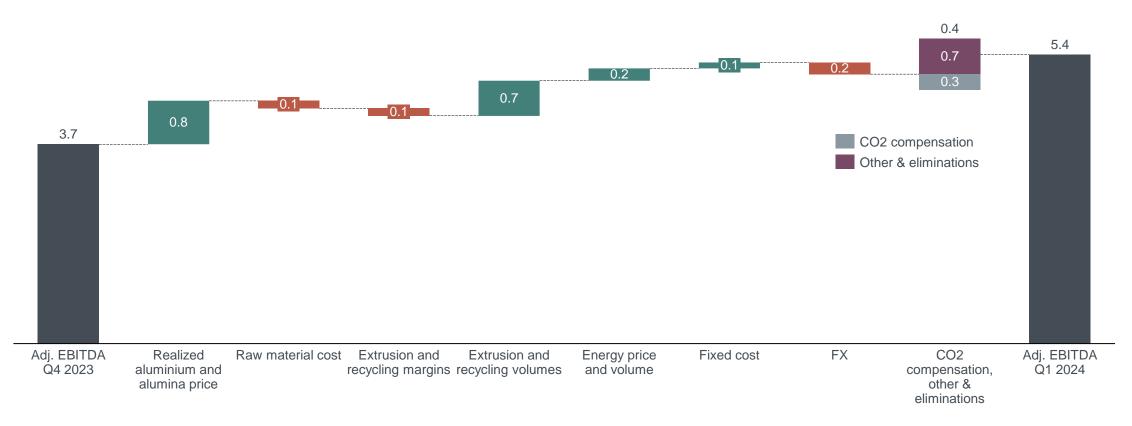
Q1 2024 vs Q1 2023



Share of Q1 2024 Hydro Extrusions sales

Adj. EBITDA up on higher upstream prices and extrusions volumes

Q1 2024 vs Q4 2023



Key financials

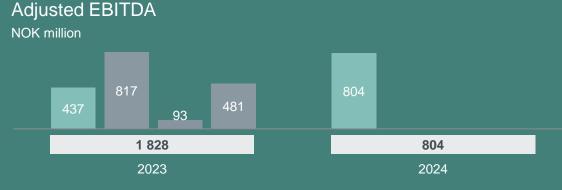


NOK million	Q1 2024	Q1 2023	Q4 2023	Year 2023
Revenue	47 545	48 534	46 754	193 619
Reported EBITDA	5 511	6 393	4 673	23 291
Adjusting items to EBITDA	(100)	1 132	(936)	(1 033)
Adjusted EBITDA	5 411	7 525	3 737	22 258
Reported EBIT	3 066	4 233	(2 256)	9 592
Adjusted EBIT	2 966	5 364	1 231	12 983
Financial income (expense)	(1 919)	(2 212)	(259)	(3 046)
Reported Income (loss) before tax	1 148	2 021	(2 516)	6 546
Income taxes	(720)	(877)	(256)	(3 742)
Reported Net income (loss)	428	1 144	(2 771)	2 804
Adjusted net income (loss)	1 498	3 326	754	7 835
Earnings per share	0.47	0.62	(1.26)	1.77
Adjusted earnings per share	0.93	1.70	0.50	4.26

Hydro Bauxite & Alumina

Results up on lower raw material prices, partly offset by lower sales volumes from lower production

Key figures	Q1 2024	Q1 2023	Q4 2023
Alumina production, kmt	1,503	1,550	1,571
Total alumina sales, kmt	2,574	2,171	2,487
Realized alumina price, USD/mt	366	367	349
Implied alumina cost, USD/mt ¹⁾	337	347	331
Bauxite production, kmt	2,600	2,648	2,771
Adjusted EBITDA, NOK million	804	437	481
Adjusted EBIT, NOK million	43	-221	-269
Adjusted RoaCE, % LTM ²⁾	-1.9 %	-0.8 %	-2.5 %



¹⁾ Realized alumina price minus Adjusted EBITDA for B&A, per mt alumina sales

2) Adjusted RoaCE calculated as Adjusted EBIT last 4 quarters less 25% tax / Average capital employed last 4 quarters

3) Realized alumina price

Implied alumina cost and margin USD/mt¹⁾



Implied EBITDA cost per mt¹⁾

All-in EBITDA margin per mt

Results Q1 24 vs Q1 23

- Lower raw material prices
- Lower production
- Stronger BRL against USD

Outlook Q2 24 vs Q1 24

- Alunorte production around nameplate capacity
- Higher alumina price
- Lower raw material prices

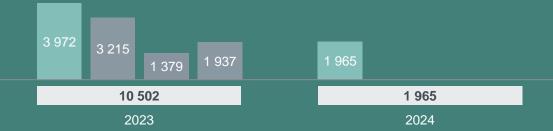
Hydro Aluminium Metal

Results down on lower all-in metal prices, reduced contribution from power sales and increased fixed cost, partly offset by lower carbon cost and positive currency effects

Key figures	Q1 2024	Q1 2023	Q4 2023
Primary aluminium production, kmt	505	499	514
Total sales, kmt	540	559	541
Realized LME price, USD/mt ¹⁾	2,248	2,291	2,129
Realized LME price, NOK/mt ¹⁾	23,609	23,566	23,143
Realized premium, USD/mt	358	503	348
Implied all-in primary cost, USD/mt ²⁾	2,225	2,275	2,125
Adjusted EBITDA, NOK million	1,965	3,972	1,937
Adjusted EBITDA including Qatalum 50% pro rata (NOK million)	2,470	4,445	2,487
Adjusted EBIT, NOK million	1,306	3,328	1,264
Adjusted RoaCE, % LTM ³⁾	10.3 %	32.1 %	13.8 %

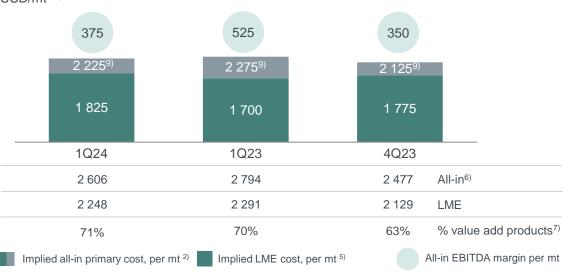
Adjusted EBITDA

NOK million



- Includes pricing effects from LME strategic hedge program
- Realized all-in aluminium price minus Adjusted EBITDA margin, including Qatalum, per mt aluminium sold
- Adjusted RoaCE calculated as Adjusted EBIT last 4 quarters less 25% tax / Average capital employed last 4 quarters
- Implied primary costs and margin rounded to nearest USD 25
- Realized LME aluminium price less Adjusted EBITDA margin, incl Qatalum, per mt primary aluminium produced

All-in implied primary cost and margin USD/mt^{1,4)}



Results Q1 24 vs Q1 23

- Lower all-in metal prices
- Reduced contribution from power sales
- Higher fixed cost •
- Reduced carbon cost
- Positive currency effects

Outlook Q2 24 vs Q1 24

- ~73% of primary production for Q2 2024 priced at USD 2 272 per mt⁻⁸⁾
- ~47% of premiums affecting Q2 2024 booked at USD ~ 393 per mt. Q2 realized premium expected in the range of USD 350 and 400 per mt.
- Higher raw material and fixed cost •
- Higher sales volumes

9)

- Realized LME plus realized premiums, including Qatalum 6)
- 7) % of volumes extrusion ingot, foundry alloy, sheet ingot, wire rod of total sales volumes 8)
 - Bookings, also including pricing effects from LME strategic hedging program as per 31.12.2023
 - Excluding power sales Slovalco and Norwegian smelters and CO2 catch-up Q3 2022 and Q4 2023

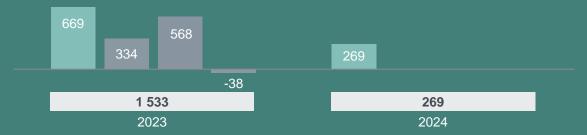
Metal Markets

Results down on lower results from recyclers, and sourcing and trading activities

Key figures	Q1 2024	Q1 2023	Q4 2023
Recycling production, kmt	179	132	166
Metal products sales, kmt ¹⁾	622	674	645
Adjusted EBITDA Recycling (NOK million)	58	284	58
Adjusted EBITDA Commercial (NOK million)	211	385	-97
Adjusted EBITDA Metal Markets (NOK million)	269	669	-38
Adjusted EBITDA excl. currency and inventory valuation effects	224	592	-36
Adjusted EBIT (NOK million)	68	628	-229
Adjusted RoaCE, % LTM ²⁾	5.0 %	26.9 %	10.7 %



NOK million



Includes external and internal sales from primary casthouse operations, remelters and third-party metal sources
 Adjusted RoaCE calculated as Adjusted EBIT last 4 quarters less 25% tax / Average capital employed last 4 quarters



Results Q1 24 vs Q1 23

- · Main driver is lower results from recycling
- · Reduced results from sourcing and trading activities
- Negative ramp-up effects

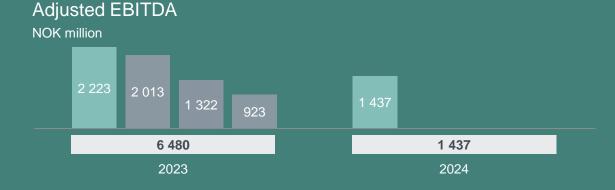
Outlook Q2 24 vs Q1 24

- Tight scrap markets
- Higher volumes
- Lower impact due to Cassopolis ramp up

Hydro Extrusions

Results down on lower sales volumes, lower recycling margins and higher costs, partly offset by higher sales margins and currency effects

Key figures	Q1 2024	Q1 2023	Q4 2023
External sales volumes, kmt	266	301	236
Adjusted EBITDA, NOK million	1,437	2,223	923
Adjusted EBIT, NOK million	690	1,485	90
Adjusted RoaCE, % LTM ¹⁾	6.6 %	10.6 %	8.8 %



1) Adjusted RoaCE calculated as Adjusted EBIT last 4 quarters less 25% tax / Average capital employed last 4 quarters. Previous periods have been restated following a change to the capital employed definition.



Results Q1 24 vs Q1 23

- Higher sales margins
- Positive currency effects
- Lower sales volumes and recycling margins
- Negative metal effect

Outlook Q2 24 vs Q2 23

- Continued strong margins
- Lower sales volumes
- Higher variable costs
- Continued soft extrusions markets

Hydro Energy

Results up on higher production and no AM buy back contract partially offset by lower prices, lower gain on price area differences and lower trading and hedging results

Key figures	Q1 2024	Q1 2023	Q4 2023
Power production, GWh	2,843	2,610	2,440
Net spot sales, GWh ³⁾	844	817	101
Southwest Norway spot price (NO2), NOK/MWh	736	1,182	818
Adjusted EBITDA, NOK million	1,152	726	805
Adjusted EBIT, NOK million	1,103	677	755
Adjusted RoaCE, % LTM ^{1),2)}	12.4 %	19.7 %	12.0 %

Adjusted EBITDA

NOK million



- Adjusted RoaCE calculated as Adjusted EBIT last 4 quarters less tax/ Average capital employed last 4 quarters
 50% tax rate applied for 2023 and 2024
-) Volume affected by disrupted delivery from a long-term power purchase agreement in the northern part of the Nord Pool area. The non-delivered volume were 0.5 TWh in the quarter



Results Q1 24 vs Q1 23

- Higher production and net spot sales
- · Lower prices and lower gain on area price differences
- Positive impact from the expiry of an internal fixed price purchase contract from AM at a significant loss in the same period last year.
- Lower trading and hedging results

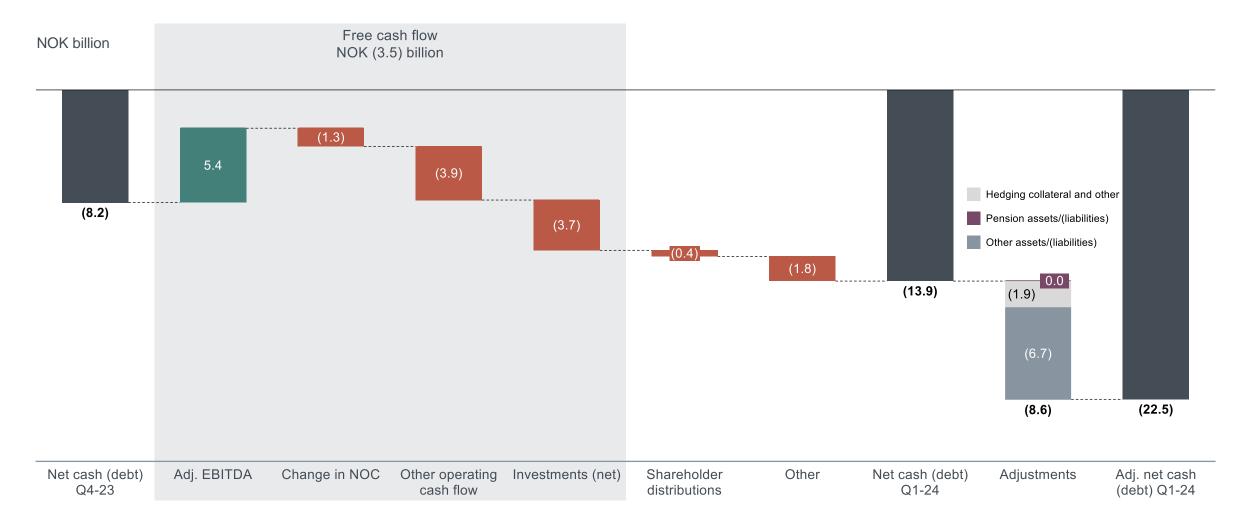
Outlook Q2 24 vs Q1 24

- · Lower production and net spot sales
- · Lower prices and lower gain on area price differences
- Continued volume and price uncertainty

Net debt increase of NOK 5.7 billion since Q4



Increase in net debt mainly driven by negative Other operating cash flow, investments and a NOC build



Free cash flow: Excludes hedging collateral (LT/ST restricted cash) and net purchases of money market funds Collateral: Includes collateral for short-term and long-term liabilities, mainly related to strategic hedges and the operational hedging activity

Our priorities

1

Health and safety first

2

Maintain robustness and mitigate weaker markets

Deliver on Recycling, Extrusions, and Renewable growth ambitions

3

5

Execute on decarbonization and technology road map

4

Seize opportunities in greener aluminium at premium pricing

Pioneering the green aluminium transition, powered by renewable energy





Additional slides

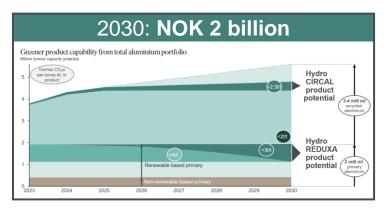


Position, Strategy and Ambitions

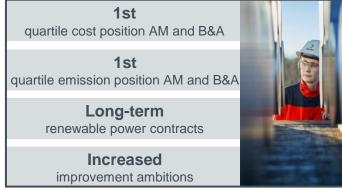
Why invest in Hydro?



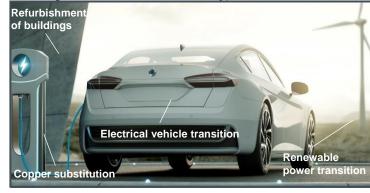
Greener earnings uplift potential 2030



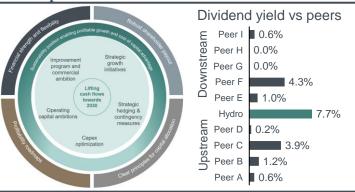
Robust positioning with ambition to strengthen competitiveness



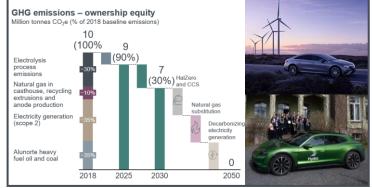
Portfolio of profitable growth projects as key enablers for the green transition



Resilient financial framework and competitive shareholder distribution

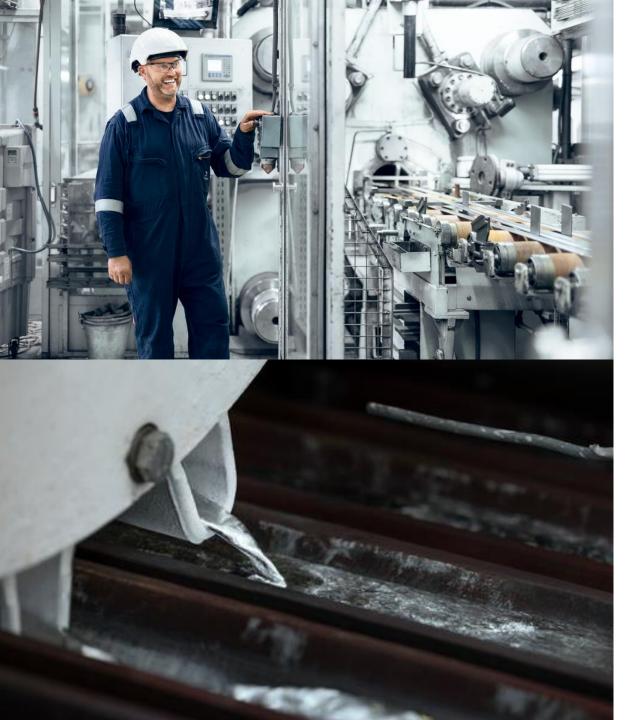


Pathway to net-zero aluminium products supported by partnerships



Good track record on relative shareholder value creation





Hydro has a unique position to succeed in the new reality

118 years of industrial experience, solving global challenges through innovation, technological advances and strong commercial mindset

- Market leading position in low-carbon aluminium with a concrete roadmap towards zero
- Unique position with captive renewable energy resources and competence
- Low and robust cost position and strong track record on shareholder value creation
- Preferred supplier and sustainability partner on the way to zero, integrated value chain enables traceability "under one roof"
- Strong positions within the main markets in the EU and North America

Strong global presence throughout the aluminium value chain

Built on market understanding, customer closeness and competence



Hydro

The complete aluminium company

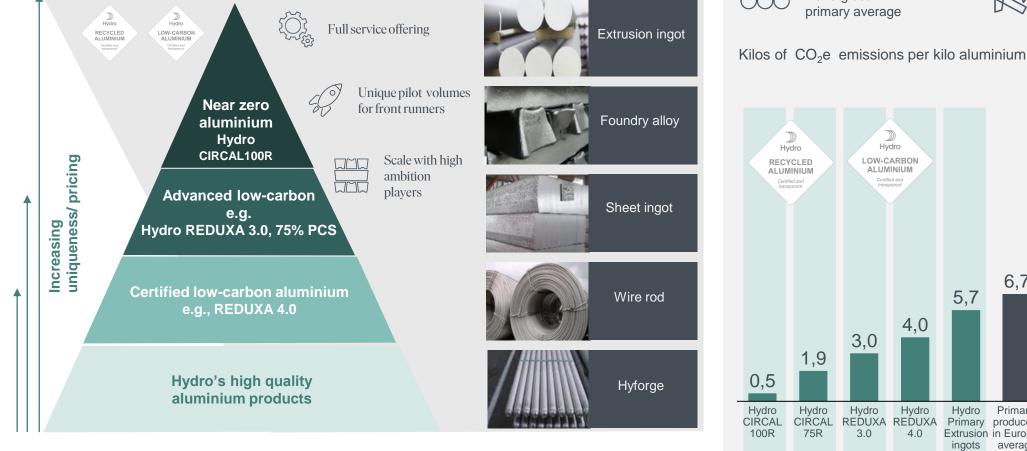
- Market leader in low-carbon aluminium with clear roadmap to net-zero
- High-quality bauxite and alumina production in Brazil
- The fourth largest aluminium producer outside China
- Primary production capacity in Norway, Qatar, Slovakia, Brazil, Canada, Australia
- 9.4 TWh captive hydropower production
- World leader in aluminium extruded profiles
- Broad recycling and remelt network in Europe and the U.S., including extrusion ingot and scrap-based foundry alloys
- Unparalleled technology and R&D organization

Outside China
 Extrusion ingot, sheet ingot, primary foundry alloys and wire rod

3) Primary Foundry Allovs

Unique value proposition in aluminium

Combined offering of primary and recycled aluminium with a full product spectrum and with tailor-made alloys



Providing products with low emissions

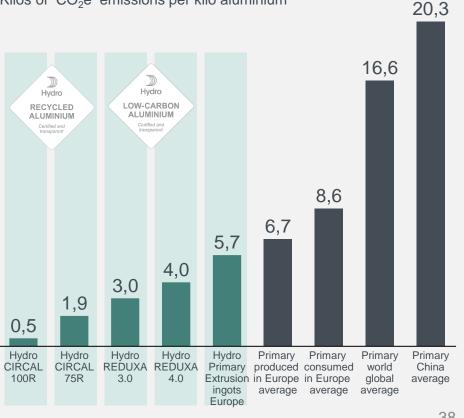
Primary aluminium produced on renewable energy



lower than the primary average **Recycled aluminium from Hydro**



More than 8 times for 75R. and 33 times for 100R lower than the world global primary average



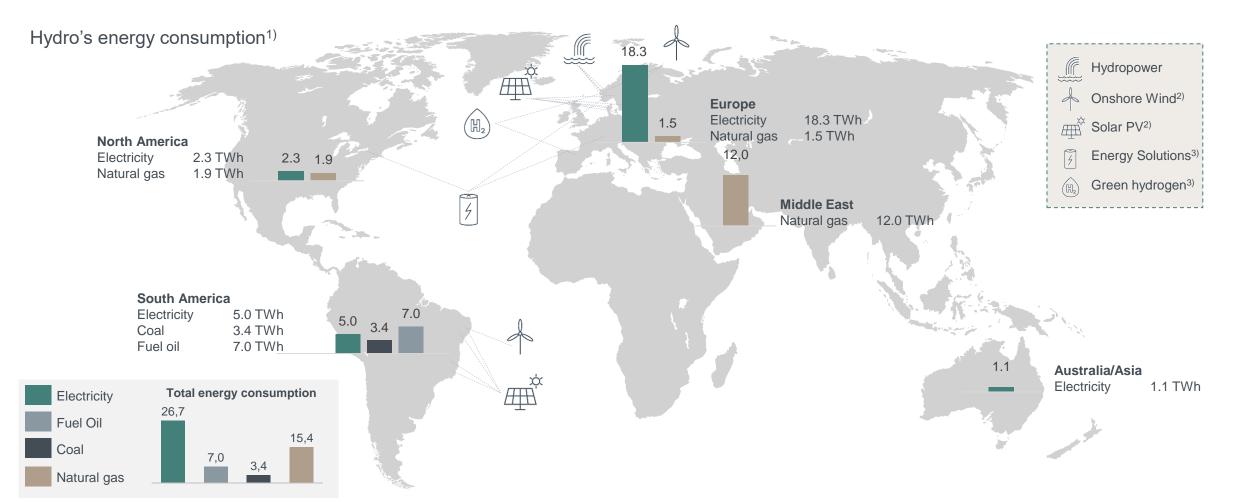
Uniquely positioned with an integrated value chain



Hydro's control of integrated value chain drives key decarbonization capabilities								
Business	Bauxite & Alumina	Aluminium Metal	Recycling	Energy	Extrusions			
Strong starting point	1 st quartile CO ₂ e emissions	Primary production with CO2e content 65% lower than global average	Leading in PCS recycling for extrusion ingots Advanced sorting technology	Captive renewable power Leader in industrial PPAs	World's largest extrusion company with integrated recycling capacity EcoDesign driving circularity			
Ambitious roadmap	1 st decile by 2025	Advanced HalZero and CCS technology to further reduce smelting emissions	Increasing PCS recycling up to 850-1,200 kt by 2030	Renewables developer, including batteries and hydrogen	Greener local energy sourcing Increased recycling			

Certified, traceable, low-carbon aluminium

Pioneering the green aluminium transition, powered by renewable energy



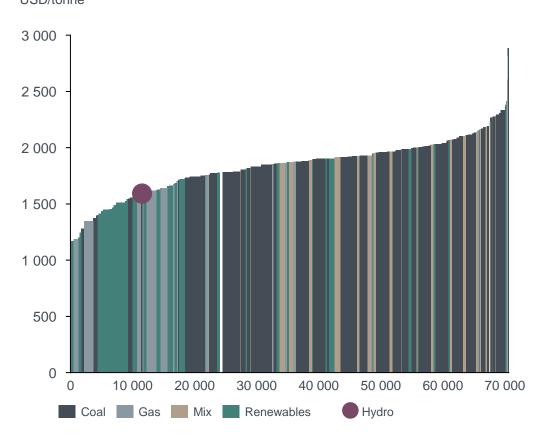
1) Based on equity-adjusted 2022 values for Norsk Hydro's bauxite mines, alumina refineries, smelters, remelters and extrusion plants.

2) Only projects in operation and under construction or announced. 3) Only pilot projects

Hydro

Long term renewable power contracts ensure robustness

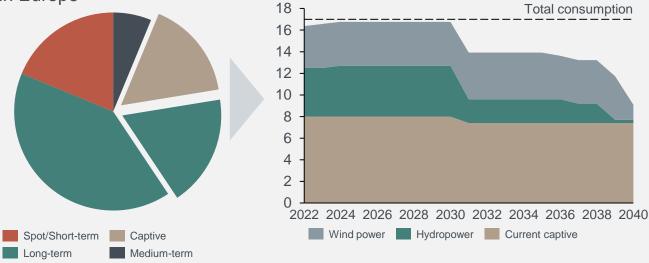
Smelter business operating cost curve 2023 USD/tonne



Source: CRU. Hvdro analysis

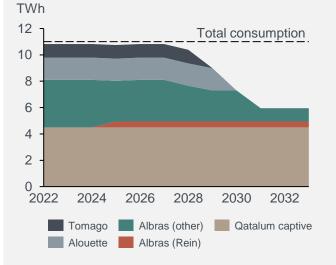
1) Net ~8 TWh captive assumed available for smelters. 2) Hydro Share: Qatalum captive (50%), Alouette (20%), Tomago (12.4%), Albras (51%). 3) Total Alunorte and Paragominas - all consumption sourced through Hydro

Power sourcing for smelters in Europe



TWh

Power sourcing for Hydro JV smelters²) Power sourcing for Hydro B&A³)



TWh Total consumption 5 4 3 2 1 0 2026 2022 2024 2028 2030 2032 Paragominas - Rein Alunorte - Rein Alunorte (short-term) Paragominas (short-term)

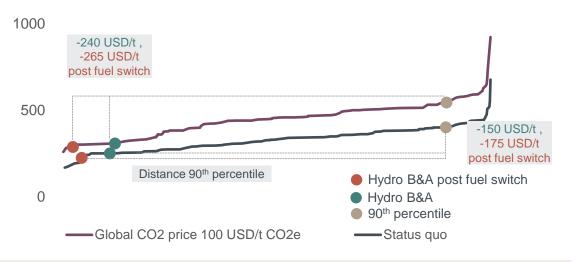
Power sourcing for Hydro smelters in Norway¹⁾

Total consumption

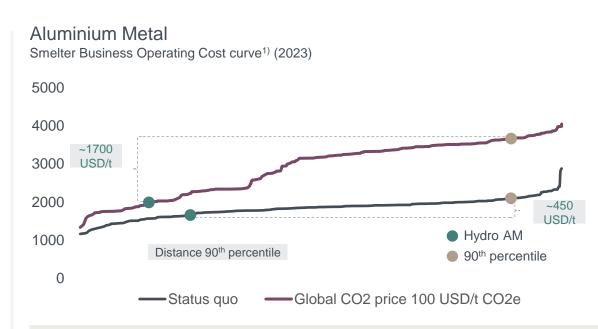
Steeper cost curve, low-carbon demand and robust position drive margin potential



Bauxite & Alumina Alumina Business Operating Cost curve (2023)



- Competitively positioned on the global cost curve at the 30th percentile
- Fuel switch & electrical boilers lower costs, and reduce carbon emissions by 30% by 2025
- Global carbon price would improve relative competitive position in Hydro B&A

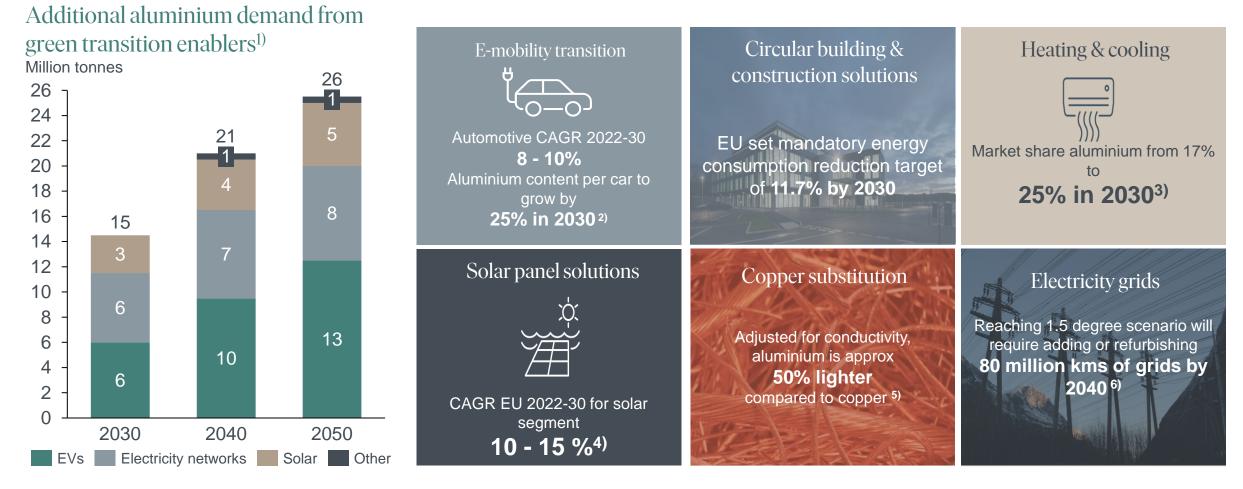


- Competitive relative position on the global cost curve at the 20th percentile
- Strong portfolio of low-carbon smelters
- Global carbon price would improve relative competitive position in Aluminium Metal

Aluminium is a key enabler for the entire green transition



2030 energy transition will require 15-22 million tonnes aluminium, increasing to 25-42 million tonnes by 2050



1) Additional demand related to green transition technologies in STEPS scenario. Sources: 2) Ducker 3) Hydro analysis 4) BNEF 5) CRU 6) IEA

Shifting gear to capture opportunities in a new reality



Key steps for Hydro to lead the green aluminium transition towards 2030



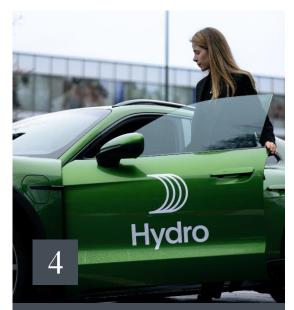
Step up growth investments in Recycling and Extrusions to take lead in the market opportunities emerging from the green transition



Step up ambitions within renewable power generation



Execute on ambitious decarbonization and technology road map and step up to contribute to nature positive and a just transition



Shape the market for greener aluminium in partnership with customers

Step up growth investments in Extrusions

1 2 3 4



 Increase market share in high-growth, noncommoditized segments leveraging innovation and solution offerings



• Develop and grow capacity and capabilities through investments in new presses, fabrication, value added services, and recycling



 Commercial opportunities from sustainability, through segmentation and greener offerings



 Increase digitalization and standardization to drive procurement excellence and reduce energy consumption



Extrusions EBITDA

NOK billion (real 2023)

10.0-12.0 25% 2.0-4.0 40% 8.0 20% 1.5 6.5 15% Underlying market recovery & growth EBS & Procurement Commercial Growth uplift 2023 2025 2030 target target1) (nominal)

1) Target 2025 in nominal terms as communicated in 2021. Range target for 2030 in real terms

Step up growth investments in Recycling





Strengthen scrap sorting capabilities, secure feedstock



Expand global asset base across the value chain

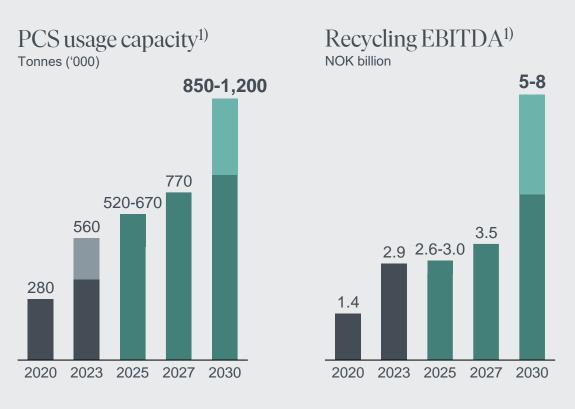


Diversify product portfolio, develop innovative solutions



Shape market for recycled products in partnership with customers





Realized Targ

Target Installed capacity ramping up

1) Range based on capex. High-range include ~70% of further potential capex given market and M&A. Including Alumetal for July 2023

Step up our ambitions and efforts in renewable power generation

1 2 3 4

Secure access to renewable power through hydropower system upgrades and expansions



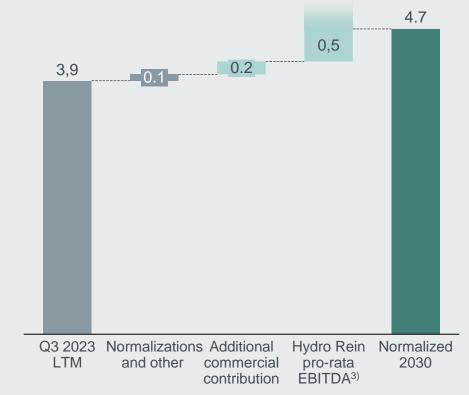
- Grow and upgrade existing hydropower plants to capture peak prices, increasing value of flexibility
- Expand market operations and commercial ambitions based on hydropower reservoir capacity, balancing power from wind and solar, and commercial positions

Hydro Rein to deliver onshore wind and solar projects, main focus in the Nordics and Europe



- Pursue profitable projects through JV owned by Hydro and Macquarie Asset Management
- Current portfolio¹⁾ add 2.4 TWh to Rein's captive power and 5.3 TWh long term PPAs to Hydro
- Sustainable and attractive riskadjusted returns of eIRR 10-20%

EBITDA 2030 Hydro Energy Classic and Hydro Rein NOK billion²⁾



1) Projects in construction and secured 2) Commercial contribution in AEBITDA Q3-23 LTM of NOK 0.5 billion included 3) Hydro's share of joint venture EBITDA from assets. Level pending margins, farm downs, growth, debt level/other funding

Execute on ambitious decarbonization and technology road map, step up to contribute to nature positive and a just transition



Forcefully deliver on net-zero roadmap, decarbonizing value chain from mine-tocomponents

- Net-zero scope 1 and 2 GHG emissions by 2050 or earlier
- On track to meet 30 percent reduction in scope 1 and 2 CO2e by 2030
- 30% reduction of upstream scope 3 GHG emissions per tonne aluminium by 2030
- 850-1200 kTonnes post-consumer scrap recycling capacity by 2030



Contribute to a nature positive future through initiatives on biodiversity, emissions reduction and supply chain management

- No Net-Loss of biodiversity for Hydro's bauxite mine, from a 2020 baseline
- No Net-Loss of biodiversity for new projects
- 1:1 reforestation on track
- 50% reduction in material non-GHG emissions by 2030
- Eliminate landfill of all recoverable waste by 2040

Social



Improve lives and livelihoods wherever Hydro operates by supporting a just transition

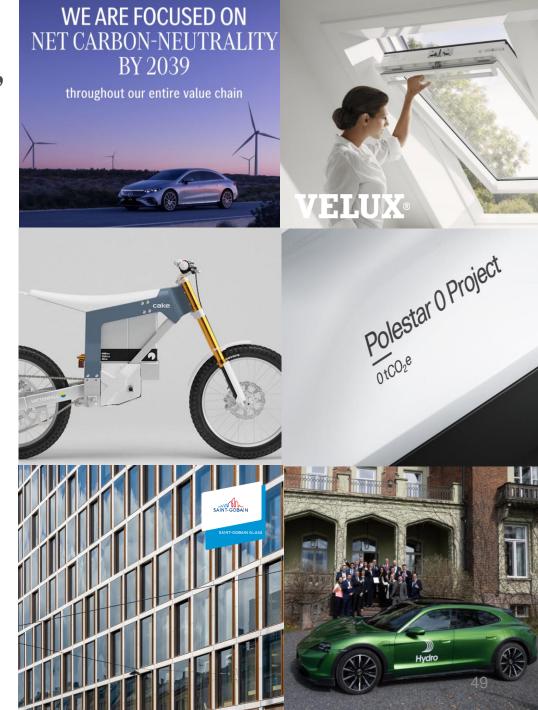
- On track to deliver on target of empowering 500,000 people with skills and education by 2030
- Significant social projects completed in Brazil
- Transparency and traceability of key product sustainability data by 2025 or earlier

Shape market for greener aluminium, in partnership with customers

Utilize Hydro's combined strengths as a fully integrated company from mine to metal

Partner with strategic customers to grow market for greener aluminium

Partner with Original Equipment Manufacturers to champion joint decarbonization targets



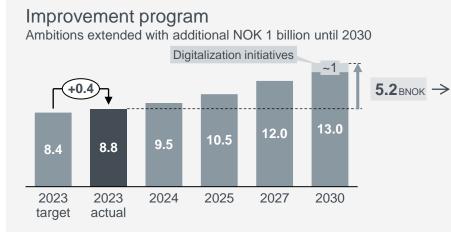
Partnering with designers, shaping a greener market

- Partnering up across the value chain is key for more sustainable production and consumption
- Through working with leading designers, Hydro wants to challenge the way things are made and pull the industry in a greener direction through getting more manufacturers to understand how to select materials based on sustainability aspects
- At the Milan Design Week 2024, Hydro has collaborated with seven world renowned designers to create objects using extruded profiles made of Hydro CIRCAL 100R, the world's first aluminium made from entire post-consumer scrap
- The designs will be showcased at Hydro's exhibition 100R
- Hydro is the only aluminium company present in such a way and has already made it to the list of "Twenty unmissable installations and exhibitions at this year's Milan design week" by a renowned design magazine



Extended improvement ambitions

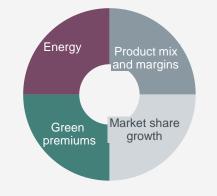
Strengthening future competitiveness and positioning with additional potential from digitalization, greener premiums and commercial improvements in Energy





Ambition increased in 2025 and 2027, and extended with additional NOK 0.4 billion until 2030





Operational

excellence

2.6

New digitalization

Fixed cost 0.2

Procurement

~1.0

1.4

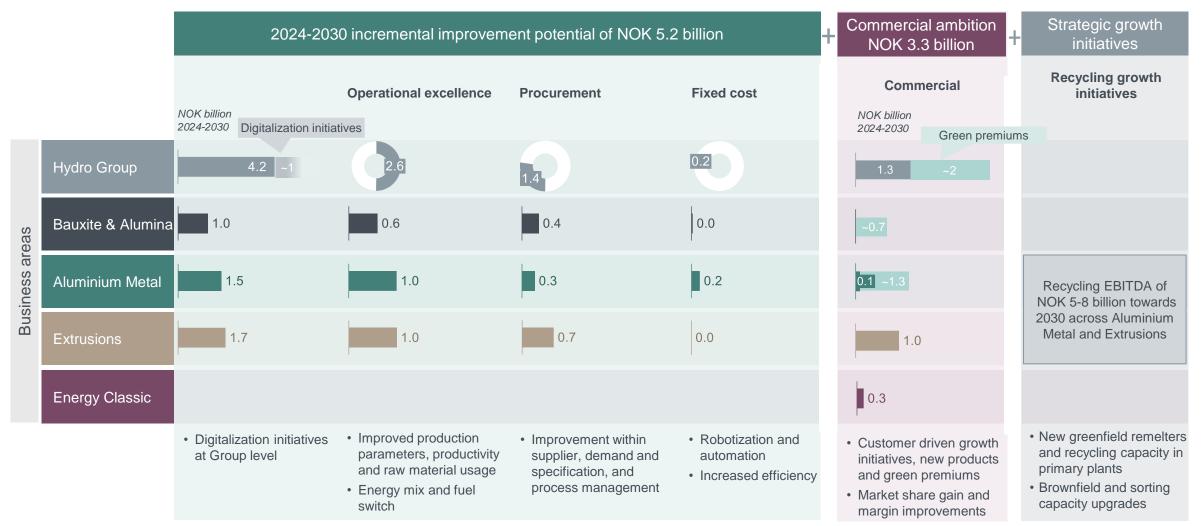
Added scope on top of initial target, Energy commercial improvements
 Including greener premiums
 Note: Estimated NOK 1.5 billion in annual average CAPEX to meet remaining improvement and commercial ambitions.



Extending the improvement ambitions to 2030



Targeting NOK 14.0 billion in accumulated improvements and NOK 6.1 billion in commercial ambitions by 2030

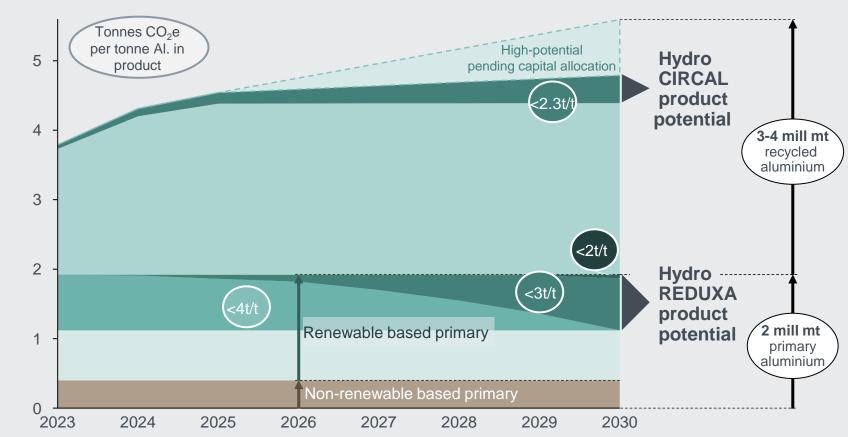


Hydro is pioneering the green aluminium transition

Greener earnings uplift potential 2030 NOK 2 billion¹)

)))) Hydro

Greener product capability from total aluminium portfolio¹⁾ Million tonnes capacity potential



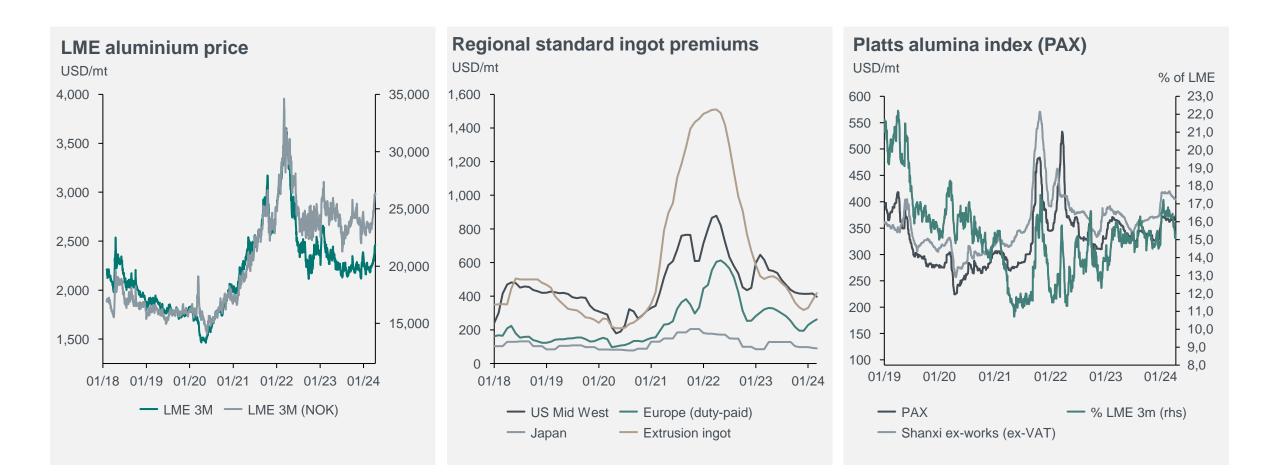
1) Based on 2030 EU ETS cost and relative CO₂ reduction vs Hydro REDUXA 4.0 at current industry traded upcharge. Hydro REDUXA and CIRCAL potential based on estimated certification capacity. Primary capacity based on equity share renewable power. Hydro CIRCAL products have post-consumer scrap content > 75% 53



Market and trends

Revenue drivers through Q12024





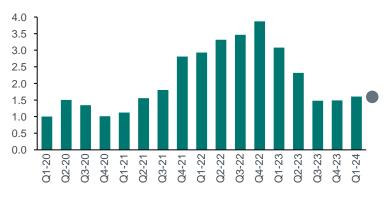
Market raw material costs in Q12024



Petroleum coke FOB USG (indexed)



Caustic soda (indexed)

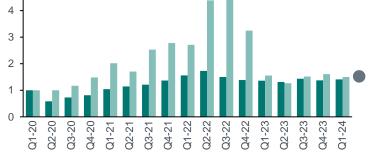


Indication of current market prices

Source: Thomson Reuters, PACE, IHS Markit, Platts, ANP, CRU





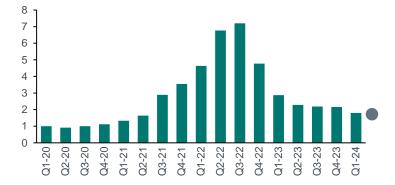


Fuel Oil A1 (indexed) Henry Hub Natural Gas Spot Price (indexed)

Alumina PAX index (indexed)



Steam coal (indexed)

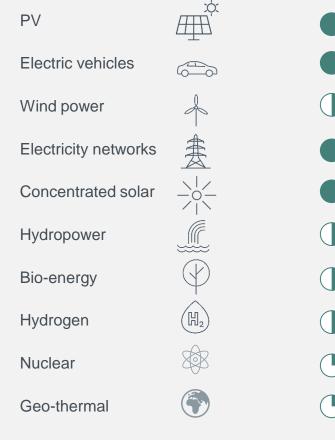


Macro trends and favorable properties drive aluminium demand

Hydro's strategic direction aims to realize full potential of aluminium's strong qualities and versatility



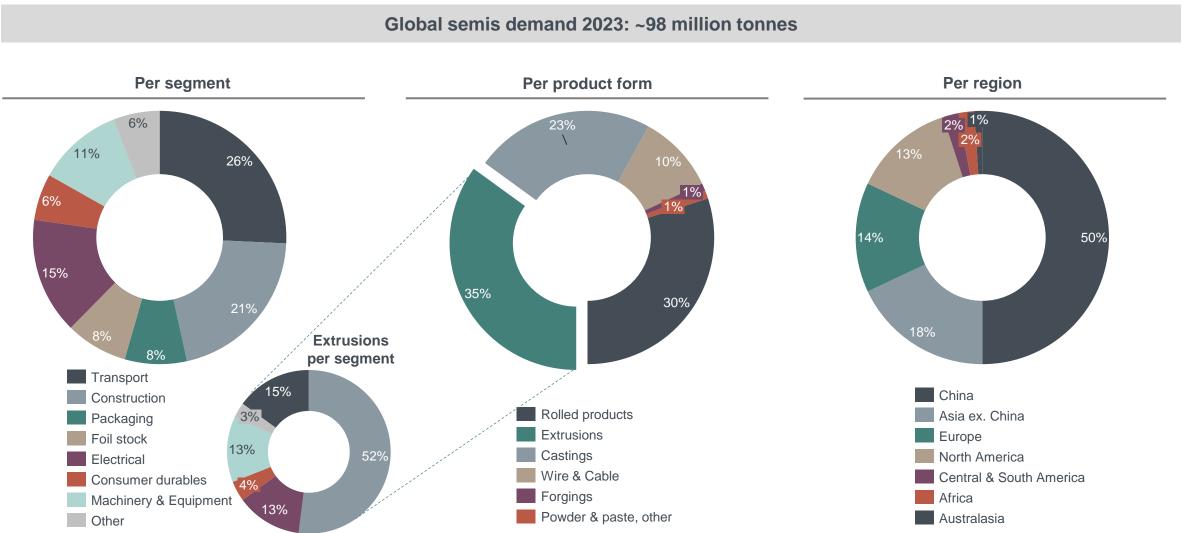
Importance of aluminium within key green transition technologies¹



Transport & construction key semis demand segments



Source: CRU, Hydro Analysis



Highest growth for low-carbon and recycled material



Low-carbon and recycled aluminium to make up majority of EU and North America market by 2030

Greener demand growth is outpacing the rest of the market '22 -'30 CAGR Total EU / North (\mathbf{Z}) ~3% America market Low-carbon (\uparrow) ~20% primary ($<4 t/t^{1}$) ~5% Recycled²⁾ No carbon ~0% requirement

Estimated demand based on currently stated ambitions

Europe and North America low-carbon¹⁾ and recycled aluminium demand by sector (million tonnes) - estimate

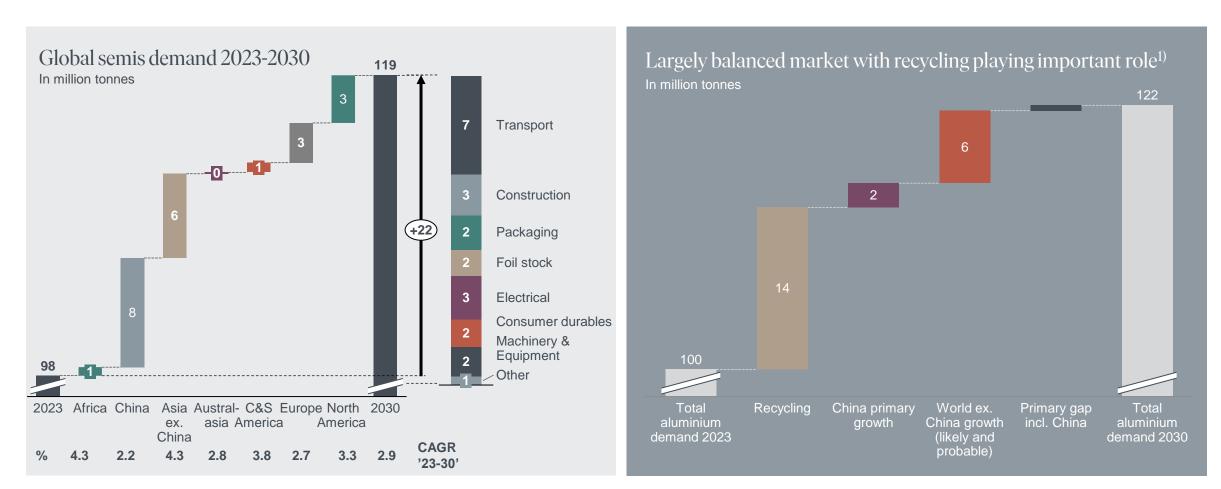
		<u>GAGR</u> ('22-'30)	Share of low-carbon ¹⁾ and recycled
	18	~6%	50-60%
	Other	~3%	35-45%
	Consumer dur.	~5%	70-80%
	Electrical	~9%	30-40%
11	Packaging and foil stock	~3%	60-70%
	Construction	~6%	60-70%
	Transport	~10%	40-50%
2022	2030	_	

Examples of front runners with ambitious 2030 targets Specific aluminium Scope 3 reduction targets commitments 10% of primary at CO₂e neutral value chain <3 t/t Vestas. 45% per MWh generated lightsource bp 52% per MW constructed 10% of primary at PEPSICO <3 t/t 10% of primary at <3 t/t Max. 2.0 kg carbon 50% for absolute **VELUX** emitted / kg emissions BOUYGUES 30% for absolute emissions 20% for absolute emissions VINCI CO₂e neutral balance sheet Mercedes-Benz CO₂e neutral (2039) 10% of primary at 25% per vehicle (2025) <3 t/t 22% per vehicle RENAULT 30% per vehicle

Largely balanced markets towards 2030

)))) Hydro

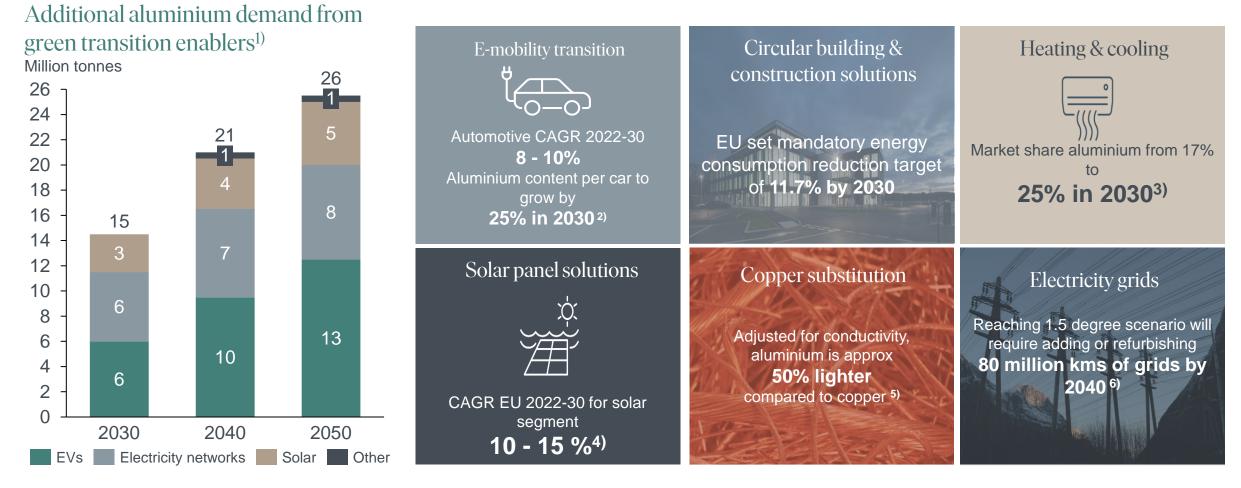
Healthy demand outlook driven by transport and electrical



Aluminium is a key enabler for the entire green transition



2030 energy transition will require 15-22 million tonnes aluminium, increasing to 25-42 million tonnes by 2050



1) Additional demand related to green transition technologies in STEPS scenario. Sources: 2) Ducker 3) Hydro analysis 4) BNEF 5) CRU 6) IEA

Source: IEA, Ducker, analysis based on EU27+UK

EV transition driving strong growth in aluminium demand

Key choices on component design and material selection are being matured now

Aluminium content per car growing Aluminium in car, kg

350

300

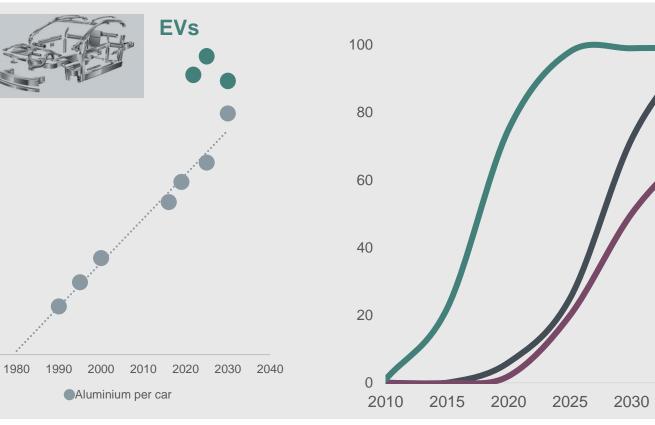
250

200

150

100

50



While EV share of sales is growing exponentially EV sales penetration, %

2035

Average aluminium content per car will grow from 205 kg/car in 2022 to 256 kg/car in 2030

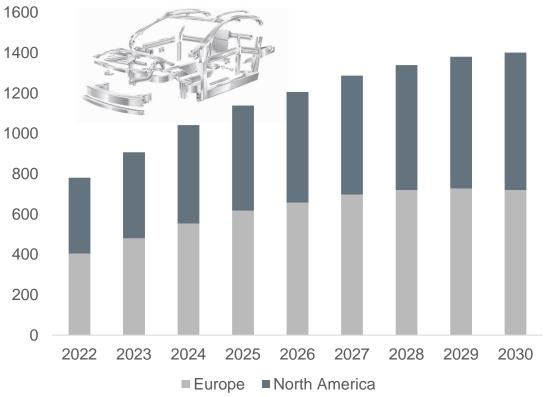
Demand for aluminium from European and American automotive industry to increase by 2.9 million tonnes from 2022-2030

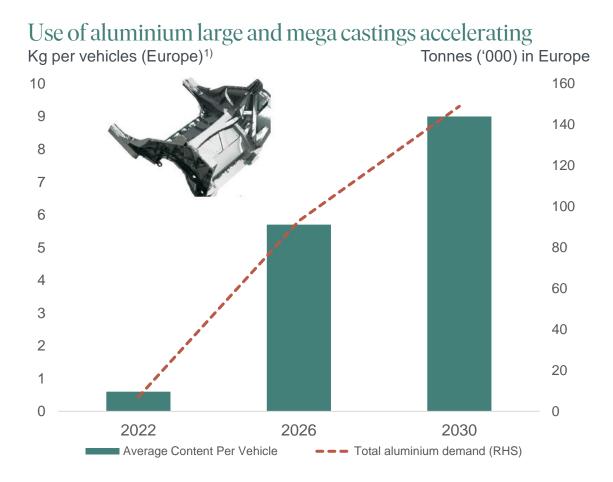
Hvdro

EVs are not built the same way as internal combustion engines cars

Radical change in design leading to changing dynamics for aluminium usage

Aluminium demand from extrusions driven by switch to EVs Tonnes ('000)

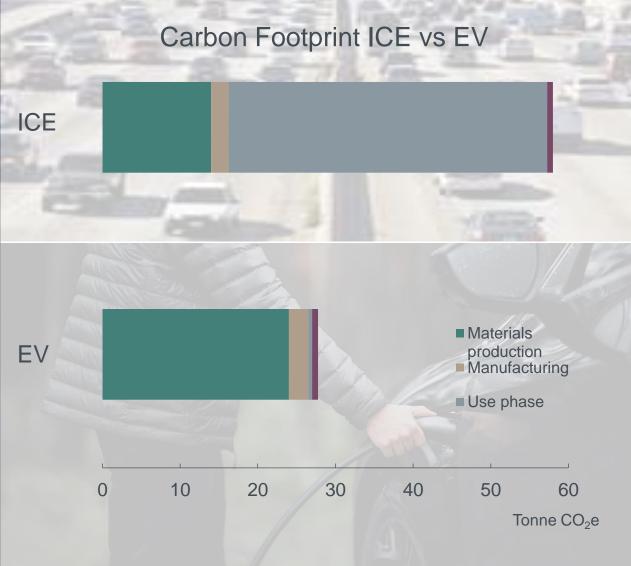




Hydro



From cutting tailpipe emissions to cutting embedded emissions



83%

Of the embedded emissions from aluminium, steel and polymer

+40%

Emissions from materials, including batteries, increase 40% from ICE to EV¹⁾

Transition to EVs enables substitution opportunities



EVs contain considerably more copper than combustion engines



Price, Weight, Emissions

60-80kg



Copper content in electric vehicles

Copper content compared to typical combustion engine vehicle

Application A

Replacing complex copper cabling with approx. 3kg of aluminium solution

Potential additional global demand in 2030 100kt

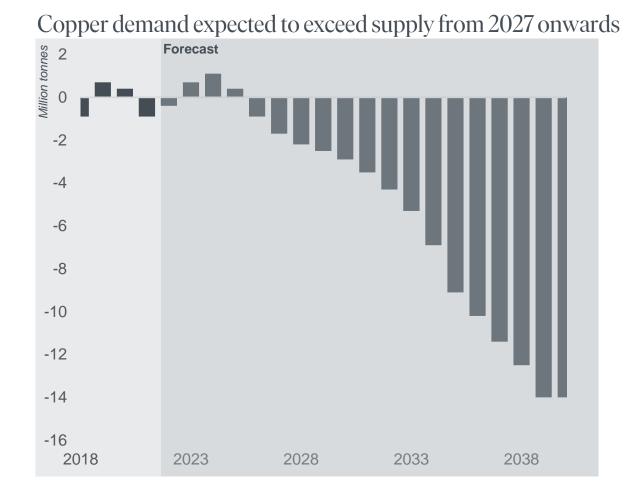
Application B

Replacing flexible copper cabling with approx. 5 kg of aluminium solution

Potential additional global demand in 2030 **180kt**

Aluminium is an attractive substitute for copper

Especially in segments with high growth from green transition



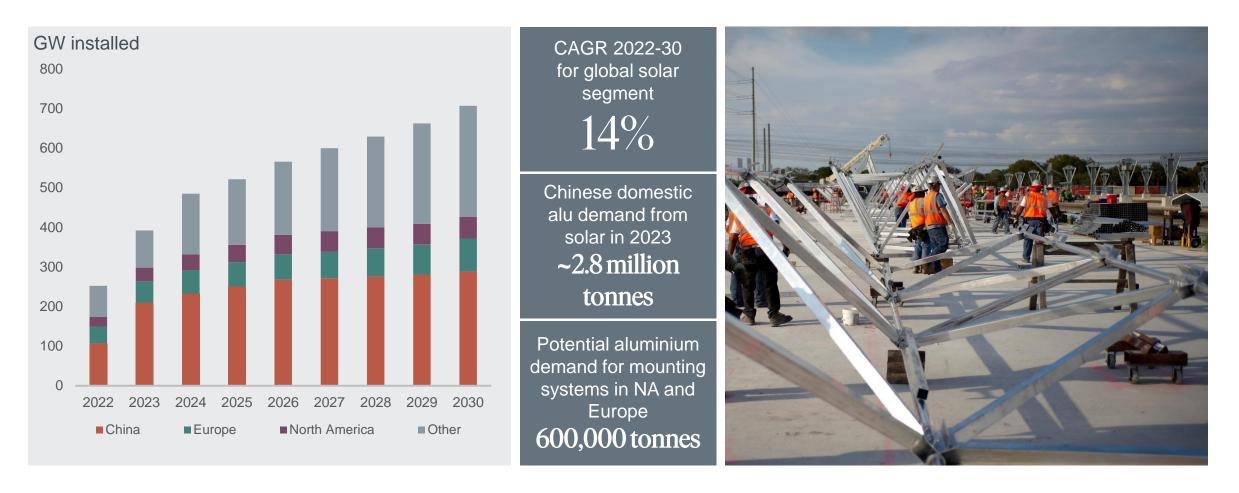
Key substitution facts



Hydro

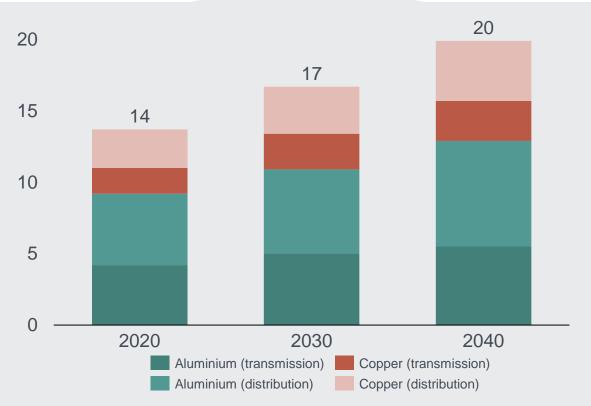
Solar market provides strong growth potential for aluminium \mathbb{J}_{Hydro}

Regional growth potential within aluminium mounting systems



Green transition drives substantial expansion of electricity grids

Average annual demand for aluminium by 2040 in stated policies scenario Million tonnes



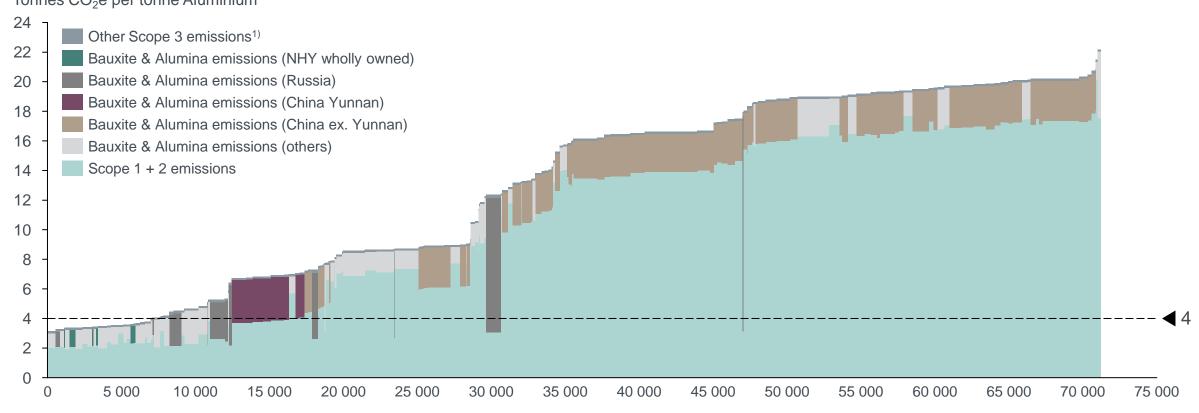
Reaching 1.5 degree scenario requires adding or refurbishing 80 million kms of grids by 2040 International Energy Agency 2023, Electricity Grids and Secure

Energy Transitions

68

Full value chain perspective: 7 million mt of primary production with embedded emissions below $4.0 \text{ kgCO}_2/\text{kg}$ aluminium

Cradle-to-gate emissions curve 2023 Tonnes CO₂e per tonne Aluminium



Scrap loophole undermines CBAM and climate goals

- The Carbon Border Adjustment Mechanism (CBAM) extends ETS carbon pricing to import products from 2026, protecting EU industry from carbon leakage.
- As part of the scheme, <u>CBAM</u> will recognize and price emissions from imported aluminium based on re-melted industrial scrap.
- Correct allocation of carbon emissions in products is necessary for CBAM to mirror the EU-ETS and function properly.
- <u>We believe re-melted industrial scrap should be assigned the same</u> <u>emissions as primary aluminium.</u> EU producers pay for these emissions, so should importers.
- Currently, <u>CBAM does not recognize that re-melted industrial scrap has</u> <u>carbon emissions.</u>
- The loophole is substantial, as there are more than enough re-melted industrial scrap available globally to satisfy EU aluminium demand.
- Furthermore, the loophole undermines low-carbon aluminium production in Europe, and deprives Member States of CBAM revenue.
- European recyclers are facing the biggest risk from the loophole.

CBAM- extending carbon pricing to imported products to level out ETS effects

October 1, 2023 CBAM transitional period starting

> Indirect CO₂ compensation remains

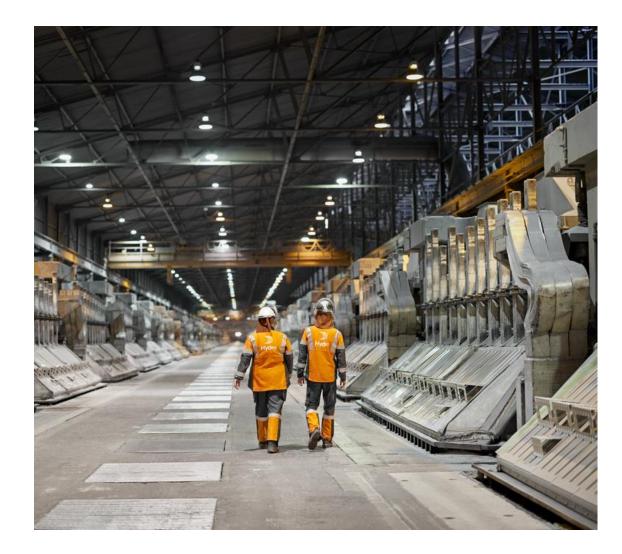
> > **2025** Re-evaluation of indirect CO cost compensation

April 2023

CBAM adopted

2026-2034 CBAM to replace free quotas

EU agenda supporting Hydro's strategy



Regulatory framework supporting strategic direction

Critical Raw Material Act

- Aluminium expected to be defined as a Strategic Raw
 Material upon final adoption
 - Important recognition of aluminium's role for EU strategic autonomy and the green transition

Sustainability legislation

- Stricter regulations on Green Claims and Corporate Sustainability
 Due Diligence favor sustainability frontrunners
- End-of-life vehicles regulation supports Hydro's recycling ambitions



Renewable energy

- · High ambitions for renewable energy production in EU
- Supports Hydro's internal decarbonization and strengthens
- demand for aluminum from renewables market segment

Regulatory changes needed to support green transition

P

CBAM – Carbon Border Adjustment Mechanism • Labelling remelted industrial scrap as zero-carbon material on

- Labelling remelted industrial scrap as zero-carbon material on import creates a large loophole in CBAM
- Unless changed it will undermine intention of CBAM on climate and competetiveness

Securing level playing field Three key challenges and solutions for CBAM to 2040

1. Scrap loophole

- Imports based on remelted industrial scrap is assigned zero emission, creating a giant loophole
- CBAM must recognize the emissions from imported, re-melted industrial and process scrap

2. Product scope

- Products outside the CBAM scope are at clear risk of carbon leakage
- The product scope must be expanded to more aluminium products and other materials

3. Negative impact on EU smelters

- If implemented, CBAM on scope 2 will have a negative impact on EU smelters running on low-carbon electricity
- CO₂ compensation is superior both as climate and carbon leakage instrument



CBAM: Extending carbon pricing to imported products to level out ETS effects

-	2023 /I transition d starting			- 2034 AM to replace free quotas
APR 2023 CBAM adopted		Assessment of CBAM on scop emissions	be 2 rem	rect CO ₂ compensation ains until CBAM ulation is amended
2023	2024	2025	2026	2034



Sustainable Operations

Safe and responsible operations is a top priority

Leadership in health and safety, social responsibility, and compliance as a license to operate

TRI Rate¹⁾

10.3

7.0 6.0 4.0 4.1 3.9 3.7 3.8 3.4 3.4 3.2 3.0 3,5 3.3 3.1 3.1 2.6 2.4 2.4 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023

1) Total recordable incidents (TRI) rate defined as cases per 1 million hours worked, for own employees and contractors

Continuing efforts within ESG performance



- Transparent and consistent reporting approach for more than three decades
- Sustainability is fully integrated in Hydro's strategy
- Work in progress to prepare for implementation of the EU Corporate Sustainability Reporting Directive (CSRD)



17.8 (Low risk) #3 in sector (3/224)

Member of Dow Jones Sustainability Indices

Powered by the S&P Global CSA 68% Europe Index inclusion **DJSI** inclusion since 1999

Moody's **ESG Solutions** 73/100



AA rating "Leading initiatives to achieve carbon-free aluminium"

ecovadis

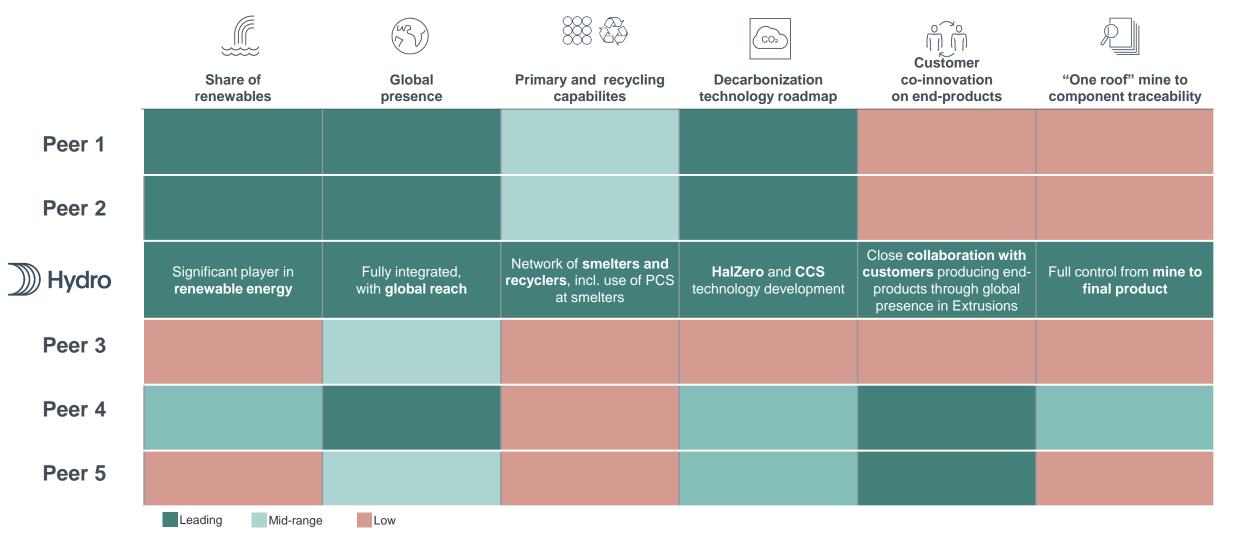




B rating **Corporate Rating: Prime Status**

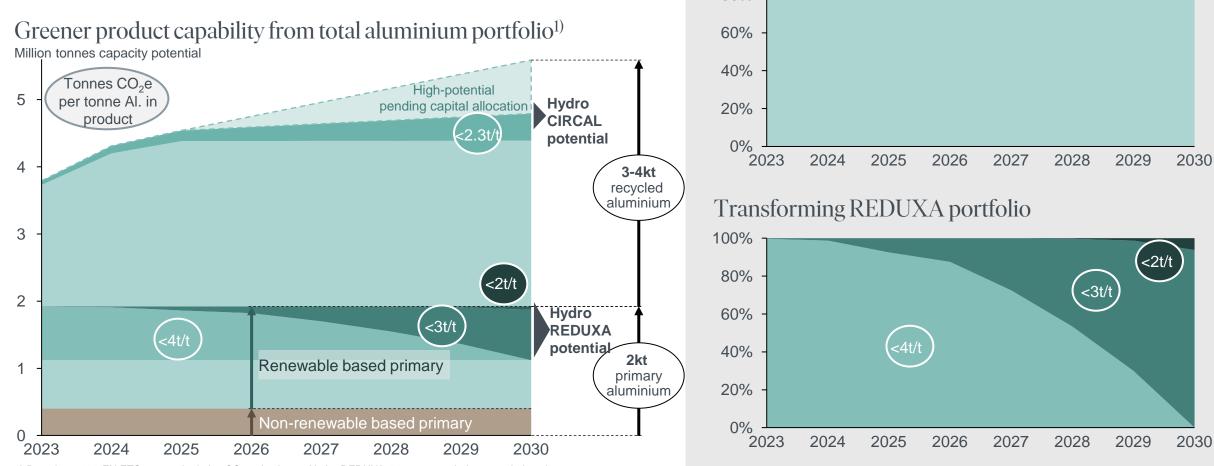
Many vying to take sustainable aluminium leading positions \mathcal{J}_{Hydro}

Only Hydro with integrated advantage



Positioning Hydro to pioneer the green aluminium transition

Earnings uplift potential 2030 of NOK 2 billion¹⁾



Growing recycling capabilities

<2.3t/

100%

80%

1) Based on 2030 EU ETS cost and relative CO_2 reduction vs Hydro REDUXA 4.0 at current industry traded upcharge. Hydro REDUXA and CIRCAL potential based on estimated certification capacity. Primary capacity based on equity share renewable power. Hydro CIRCAL products have post-consumer scrap content > 75%

Execute on ambitious decarbonization and technology road map, step up to contribute to nature positive and a just transition



Forcefully deliver on net-zero roadmap, decarbonizing our value chain from mine-tocomponents

- Net-zero scope 1 and 2 GHG emissions by 2050 or earlier
- On track to meet 30 percent reduction in scope 1 and 2 CO2e by 2030
- 30% reduction of upstream scope 3 GHG emissions per tonne aluminium by 2030
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- 1:1 reforestation on track
- 50% reduction in material non-GHG emissions by 2030
- Eliminate landfill of all recoverable waste by 2040

Social

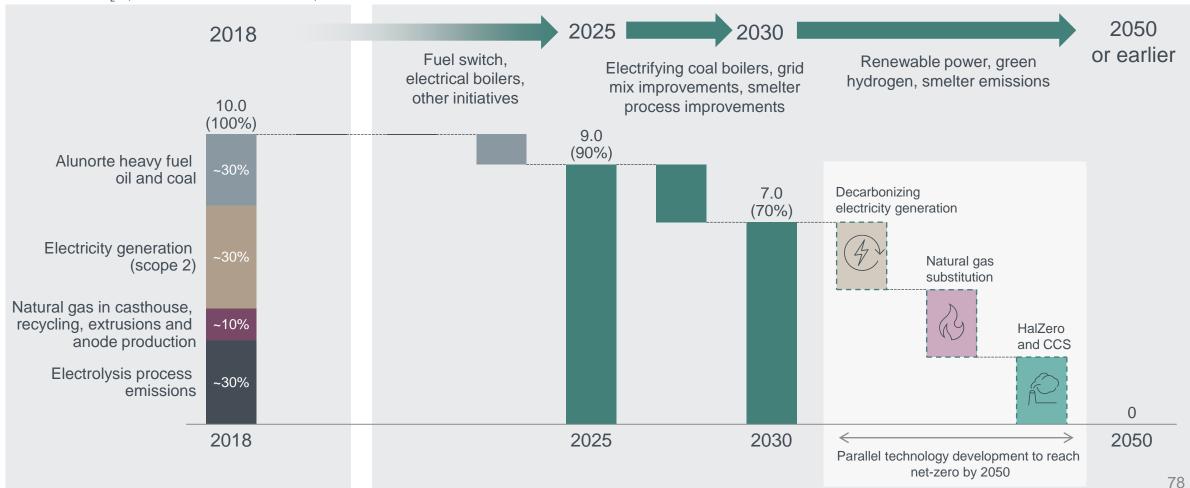


Improve lives and livelihoods wherever we operate by supporting a just transition

- On track to deliver on target of empowering 500,000 people with skills and education by 2030
- Significant social projects completed in Brazil
- Transparency and traceability of key product sustainability data by 2025 or earlier

Net-zero Hydro: The roadmap

On track to achieve 30% carbon emissions reduction by 2030 and net-zero by 2050 or earlier



GHG emissions – ownership equity¹⁾ Million tonnes CO₂e (% of 2018 baseline emissions²)

1) Scope 1 and scope 2. 2) 2018 rebased baseline post-Alunorte transaction as of December 1, 2023



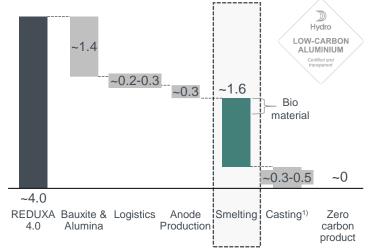
Decarbonization ambition: Three paths to net-zero

Clear technology roadmap to deliver industrial volumes of zero-carbon aluminium by 2030

HalZero process New process technology for decarbonizing new capacity

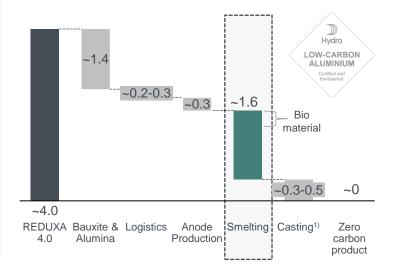


CO₂e emissions per year



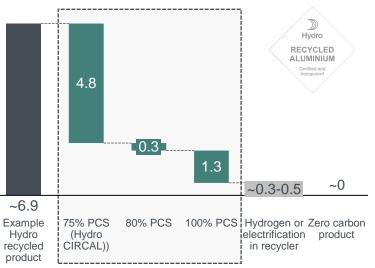
Carbon capture and storage Technologies for decarbonizing existing smelters





Recycling Technologies for more PCS-use



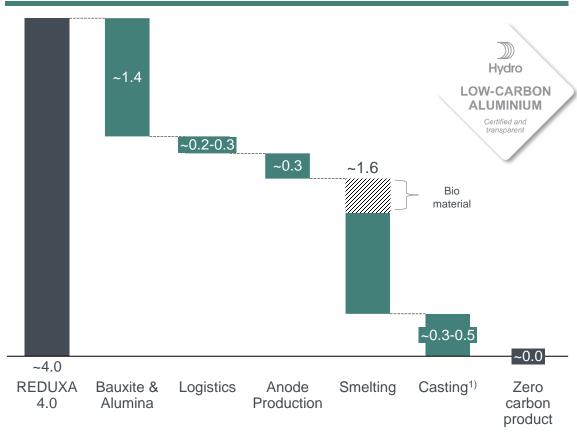




Widening our scope to reach zero CO₂ emissions

Structured approach to reduce emissions throughout primary value chain

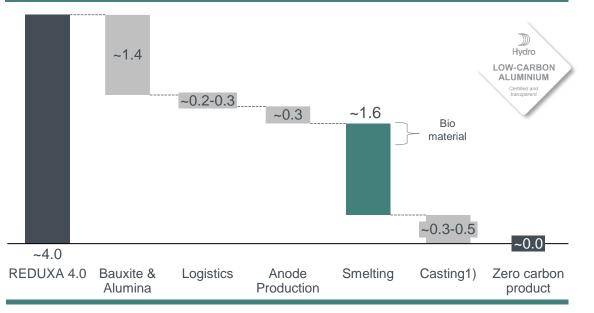
CO₂e emissions kgCO₂/kgAl





Electrolysis decarbonization on track - HalZero

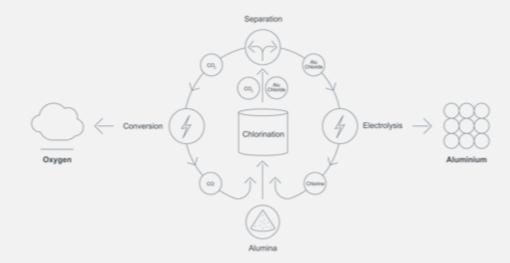
CO₂e emissions kgCO₂/kgAl



Timeline

	2022	2025	2030	2035
HalZero	Studies	Testing	Industrial scale pilot	Industrial capacity

Ground-breaking technology to change the game



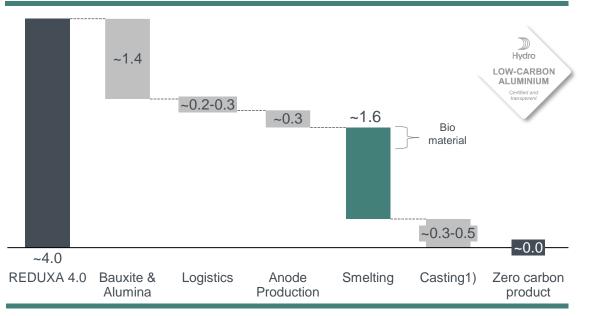
- Approval to start construction of new test facility in Porsgrunn - expected to be operational by 2025
- On track for first metal by end 2025 and industrial pilot volumes by 2030





Electrolysis decarbonization on track – carbon capture

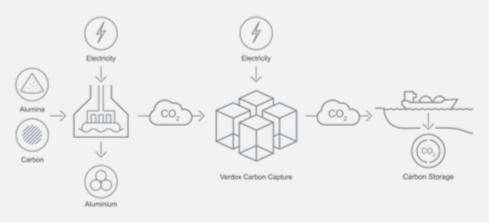
CO₂e emissions kgCO₂/kgAl



Timeline

	2022	2025	2030	2035
CCS – ready cells	Testing	Industrial Industrial scale pilot		
Carbon capture	Studies	Testing	Industrial scale pilot	Industrial capacity

Technology shift for existing aluminium smelters



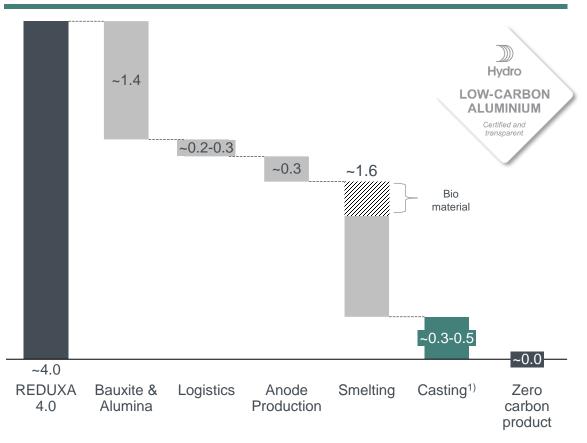
- Testing of Verdox technology ongoing at Sunndal
- Installing capture ready cells as part of ongoing relining process
- On track to deliver first CO₂ capture in 2024 and industrial scale pilot volumes by 2030



Pursuing optionality to decarbonize casthouses

Important milestones for all initiatives: Bio-methane, hydrogen and direct electrification

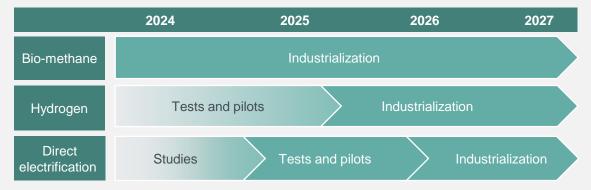
CO₂e emissions kgCO₂/kgAl



Starting industrialization of bio-methane from 2024, stepping up activities in electrification



Timeline



)) Hydro

LOW-CARBON

ALUMINIUM

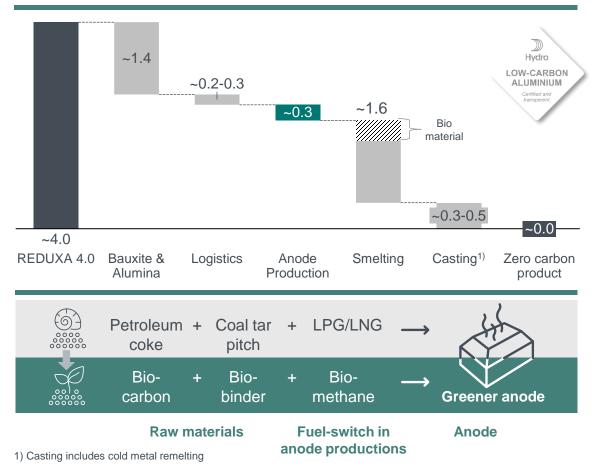
Hydro

ALUMINIUN

Anode decarbonization

Utilizing bio-materials in anode production triggers potentials for below zero emissions

CO₂e emissions kgCO₂/kgAl



Bio-methane and bio-materials in the process

- Fuel switch to bio-methane in anode baking furnace Havila contract
- Substitution to bio-based packing materials

Bio-materials in anodes

- · Substitute fossil materials to bio-carbon and bio-binder in anode
- Potential to reduce the CO₂, PAH and S emissions
- · Collaboration with external suppliers and research institutions
- Potential below zero CO₂ emissions from electrolysis off-gas capture

Timeline



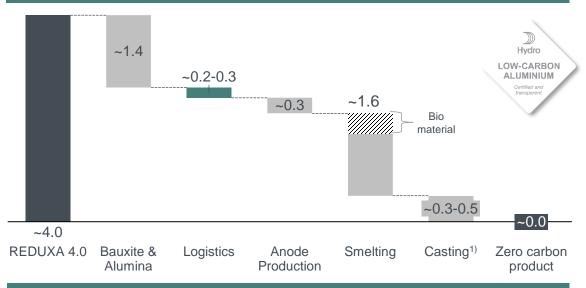
Hydro

ALUMINIUM

Logistics decarbonization

Choosing the right solutions leads to reduced emissions. Ambition: 30% reduction by 2030

CO₂e emissions kgCO₂/kgAl





What we have done

- >95% of AM volumes now have the major transport leg by sea
- 85% emission reduction on container transport from China to Europe
- Moving volumes from truck to barge, rail and sea
- Introducing biofuel on selected trucking routes
- Supply chain improvements



What we will do

- Developing greener routes
- Exploring opportunities for "green shipping corridors"
- Digitalization and measurement to improve incentive structures and transparency

Timeline



Hydro LOW-CARBON ALUMINIUM *Recycling 2030 ambitions:*



850-1,200 kmt PCS capacity



NOK **5-8** billion **EBITDA** potential



Recycling decarbonization

Full value chain with multiple product outlets

Large recycling asset base in Europe and North America





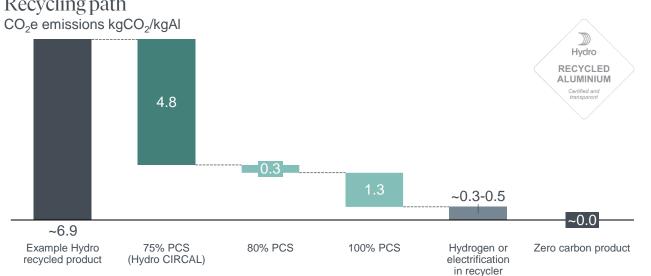
· Broad range of products - extrusion ingot, sheet ingot, foundry alloys, HyForge, Master alloys Ability to utilize and upcycle mixed scrap

Sorting & production technology

- Technical and metallurgical competence
- · Production optimization know-how from scrap to product
- Patented HySort technology, in-house R&D

Close customer & supplier relations

- Local presence and market insight in core locations
- · Established relationships with scrap suppliers
- · Partnerships and close cooperation with customers
- Commercial intelligence and strong value chain positioning



Recycling path

Contribute to a nature positive future through initiatives on biodiversity, waste handling and land-use



No Net-Loss Ambition for Paragominas

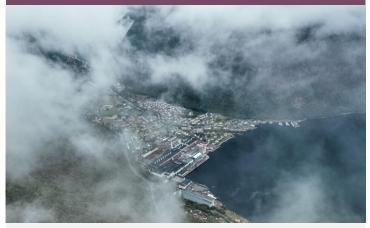


- No Net-Loss of biodiversity for our bauxite mine, from a 2020 baseline
- Strengthening onsite mitigation and rehabilitation
- Investing in conservation and restoration offsets

Partnerships for Nature Positive Outcomes

- Develop opportunities for positive nature impacts beyond delivering NNL outcome for mine
- Partnership with Imazon and IPAM
- Creating value for nature and society where we operate

Supply chain emissions



- Establish inventories and baselines for material pollutants linked to Hydro's supply chain by end of 2024
- World Economic Forum's Alliance for Clean Air

Improving lives and livelihoods wherever we operate by supporting a just transition



Just transition framework



Respect and promote human rights



Support positive local development

Invest in education



Responsible supply chain

Investing in the community is our license to operate





Social Infrastructure

- Construction of 9 Terpaz community centers (3 already built) targets security, income generation and access to basic services to 1,500 people per day
- Construction of a Technical School with the capacity to educate 1,200 students per year



Community Projects

- Investment in community-based projects benefitted 80 thousand people since 2018
- 60 thousand people with access to education
- 1,400 family farmers with access to technical support



Stakeholder Engagement

- Transparency, dialogue and volunteer work are performed by a dedicated team
- 178 community leaders are involved in a dialogue forum called Sustainable Barcarena Initiative
- **500 volunteers** worked to benefit 14,000 people and 70 local organizations

Sustainable financing initiatives increase access to capital and provide cost of capital advantage

Green and Sustainability Linked Financing Framework

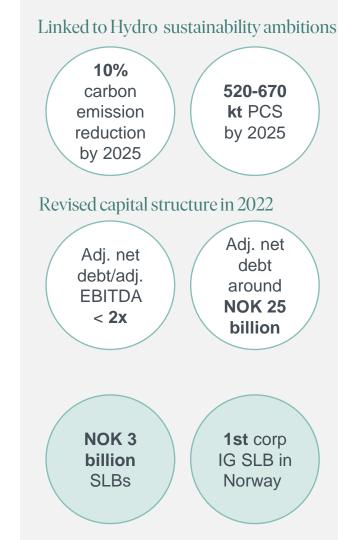
- Framework published to facilitate issuance of green and sustainability linked bonds
- Linked to Hydro's sustainability ambitions
- CICERO Shades of Green provided Second Party Opinion allocating medium green shading and governance assessment at excellent

Updated capital structure policy and EMTN Program

- Revised capital structure targets over the cycle
- EMTN program established to streamline bond issuance in line with capital structure policy

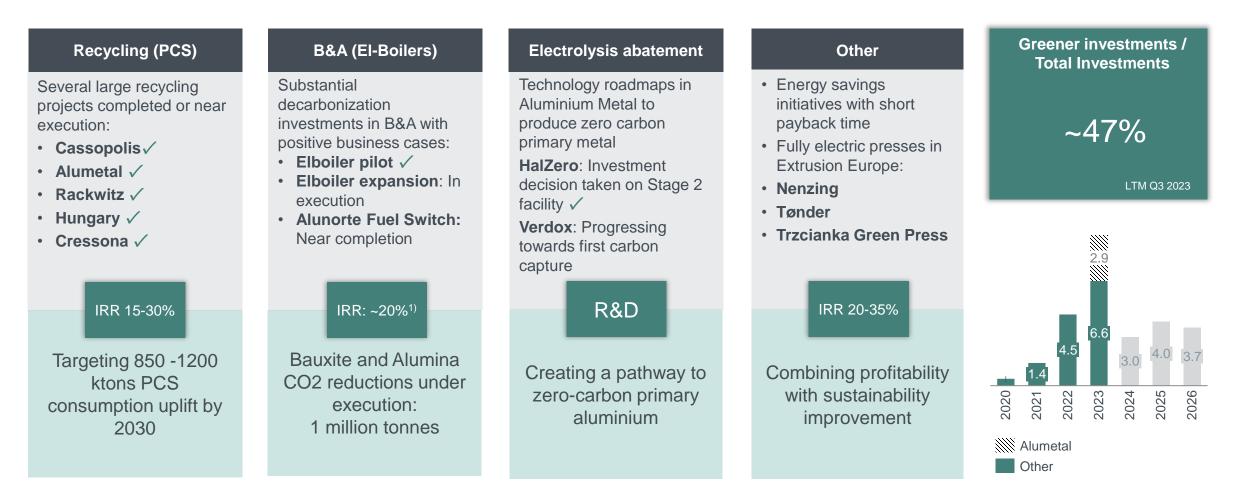
Sustainability linked bonds (SLBs)

- NOK 3 billion SLBs (2022-2028) issued under framework and EMTN programme
- First SLB issue in the Norwegian corporate investment grade market
- SLB feature increased access to capital in challenging market conditions



Greener investments drive value creation

Hydro's largest prioritized investment areas combine sustainability and profitability



Hvdro



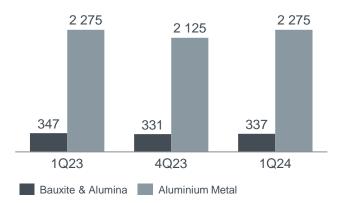
Financial Framework

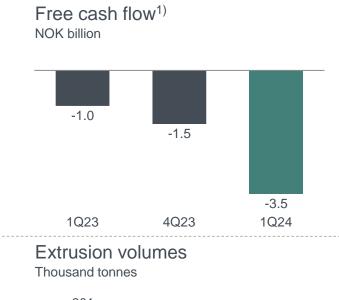
Key performance metrics | Q12024

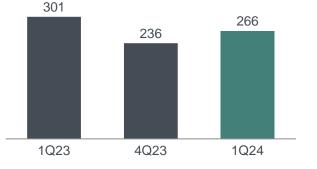


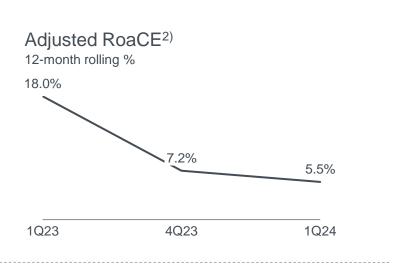
Adjusted EBITDA NOK million 7 525 5 411 3 737 5 411 1Q23 4Q23 1Q24

Upstream costs^{3,4)} USD per tonne

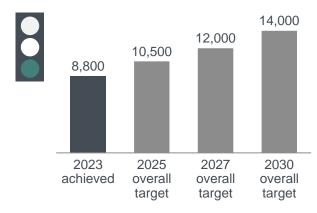








Improvement program status NOK millions



- Free cash flow is defined as net cash provided by (used in) operating activities of continuing operations, adjusted for changes in collateral and net purchases of money market funds, plus net cash provided by (used in) investing activities of continuing operations, adjusted for purchases of / proceeds from sales of short-term investments
- 2. Adj. RoaCE calculated as adjusted EBIT last 4 quarters less underlying tax expense adjusted for 30% tax on financial items / average capital employed last 4 quarters

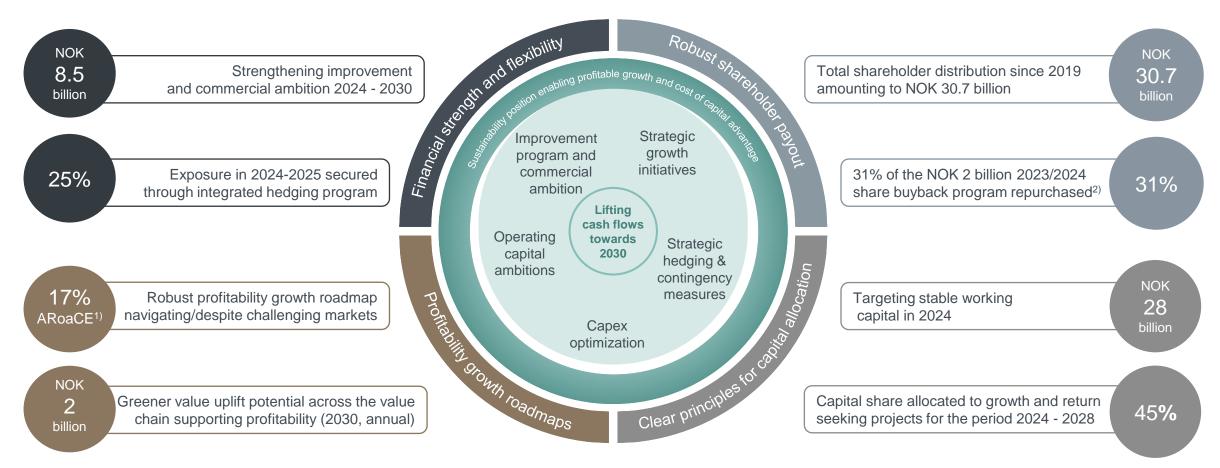
3. Realized alumina price minus adjusted EBITDA for B&A, excluding insurance proceeds relating to decommissioned crane (NOK ~500 million), per mt alumina sales

 Realized all-in aluminium price (incl. strategic hedge program) less adjusted EBITDA margin excluding indirect CO₂ compensation catch-up effect (NOK ~1.4 billion) and power sales Slovalco, Albras and Norwegian smelters, incl Qatalum, per mt aluminium sold. Implied primary cost and margin rounded to nearest USD 25

Our financial framework guides the short and long-term



Solid framework for lifting returns and cash flow and managing uncertainty



 Hydro group external scenario 2030 ARoaCE based on CRU price and premium assumptions and S&P Global FX assumptions, with adjustments as specified in the footnotes
 31% repurchased as of 24th of November

Capital allocated according to strategic modes

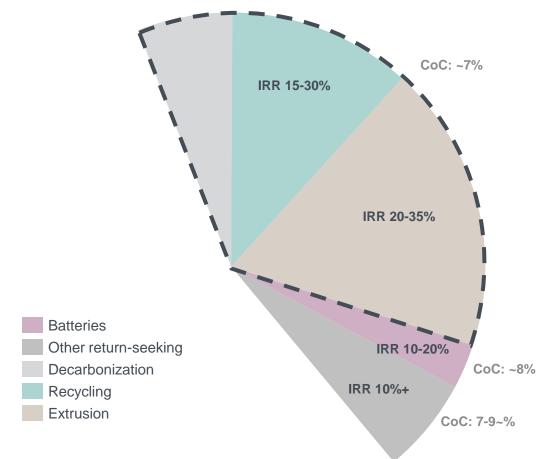
Strategic modes reflect global megatrends and high-return opportunities

Safe, compliant and efficient operations The Hydro Way					
Businesses	Bauxite & Alumina	Aluminium Metal	Recycling	Energy	Extrusions
Strategic mode	Sustain and improve	Sustain and improve	Growth	Selective growth	Growth
Towards 2030	Reduce risk, improve sustainability footprint, improve cost position	Robustness and greener, increase product flexibility, improve cost position	Substantial shift in conversion of post- consumer scrap	Growth in renewables and batteries	Growth with new capacity and capabilities

Hydro

Strong profitability in strategic growth areas

Indicative profitability in current return-seeking and growth portfolio



Recycling

- Increase proportion of post consumer scrap (PCS), lowering metal cost
- Improved economies of scale in brownfield expansions
- Sorting technology and equipment standardization

Extrusions

- New presses with improved capabilities and commercial value, capturing market share
- Press replacements with significant cost reductions and increased productivity
- Focus on high growth segments including automotive, systems business and commercial transportation

Decarbonization

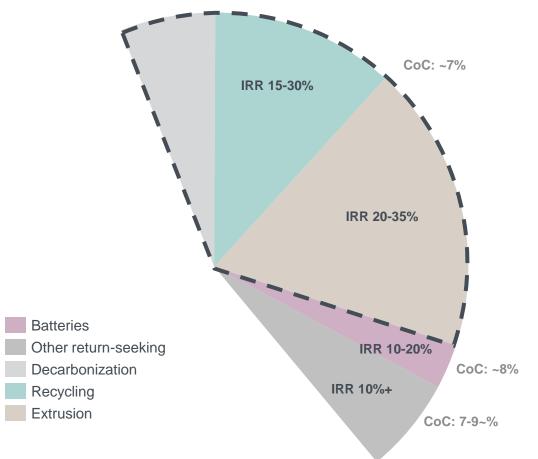
- Alunorte Fuel switch project (IRR 20+%) and electrical boilers
- Carbon capture technology pilots in mid-term, industrial scale pilot volumes by 2030
- HalZero as technology pilots in mid-term, industrial scale pilot volumes by 2030

Batteries

- Focused strategy within sustainable battery materials, leveraging Hydro capabilities
- Establish positions in attractive growth segments in core markets
- Core investments: Hydrovolt (recycling) and Vianode (anode material)

Press replacements giving new capabilities and cost savings

Indicative profitability in current return-seeking and growth portfolio



Press consolidation Two old presses One new press 4-5 FTEs per shift Manning 2 x 8 FTEs per shift EUR 1,500K Maintenance cost p.a. EUR 350-450K Downtime 15-20% 5-10% Scrap rate 33-35% 25-28% Annual production 2x9K tonnes 16K tonnes Based on cost savings alone IRR: 30%+ **Benefits** · Higher levels of automation and better ergonomics, state-of-the-art

- New and improved technical capabilities to serve new segments at higher prices
- High energy efficiency, lower cost per kilo & higher EBITDA per tonne

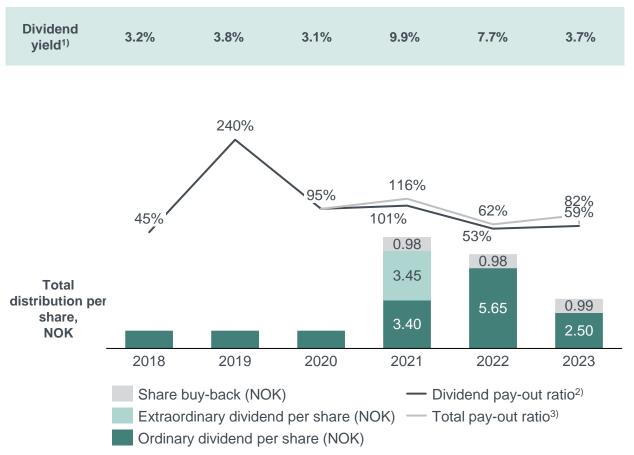
technology.

Shareholder and financial policy

)))) Hydro

- Aiming for competitive shareholder returns and dividend yield compared to alternative investments in peers
- Dividend policy
 - Average ordinary payout ratio: 50% of adjusted net income over the cycle
 - 1.25 NOK/share to be considered as a floor
 - Share buybacks and extraordinary dividends as supplement in periods with strong financials and outlook
 - Five-year average ordinary pay-out ratio 2018-2022 of ~74%
- Maintain investment-grade credit rating
 - Currently: BBB stable (S&P) & Baa3 with positive outlook (Moody's)
 - Competitive access to capital is important for Hydro's business model (counterparty risk and partnerships)
- Financial ratio target over the business cycle
 - Adjusted net debt to adjusted EBITDA < 2x

Historical shareholder distribution



Hedging policy

Overall risk policy

- · Remain exposed to the inherent cash flow volatility related to Hydro's business
- Fluctuating with the market volatility mitigated by strong balance sheet

Diversified business

- · Vertical integrated value chain reducing risk and volatility
- · Strengthening relative position to ensure competitiveness

Upstream margin risk

- Currency exposure, mainly USD and BRL
- Exposed to LME and Platts alumina index prices
- Strategic and operational hedging with perspective of mitigating downside risk and securing margins (not opportunistic)
- Operational LME hedging one-month forward sale

Downstream margin risk

- Spread between customer prices and the underlying production cost
- As such exposed to commodity prices, exchange rates, other costs, market conditions and negotiating power
- Risk is managed through operational hedging programs



Integrated margin hedging realized a NOK 0.3 billion positive value in Q1-24



Aluminium hedges of 320-460 kt/yr 2024-25 in place

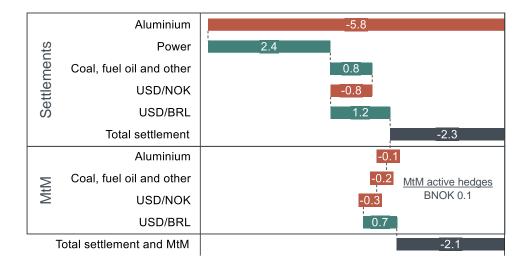
- 2024: 330 kt remaining at a price of ~2400 USD/t
- 2025: 320 kt hedged at a price of ~2500 USD/t
- Pricing mainly in NOK, with USD hedges converted to NOK via USD/NOK derivatives
- Corresponding raw material exposure partially secured using financial derivatives or physical contracts

B&A and AM BRL/USD Hedge

- USD 698 million sold forward for 2024-2026
 - 2024: USD 251 million remaining at avg. rate 6.19
 - 2025: USD 272 million hedged at avg. rate 5.33
 - 2026: USD 175 million hedged at avg. rate 5.48
- Aim to reduce volatility and uncertainty in Alunorte and Albras cash flows, as well as support robust cost curve positions

Strategic hedging status

NOK Billions



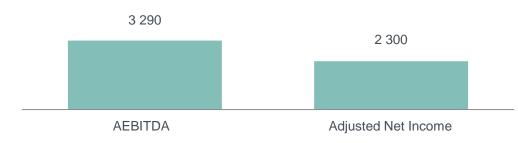
Utilizing Hydro's hedging policy to deliver on strategic ambitions

- · Flexibility to hedge in certain cases
 - Support strong cost position
 - Strong margins in historical perspective, e.g., supporting ARoaCE target
 - Larger investments

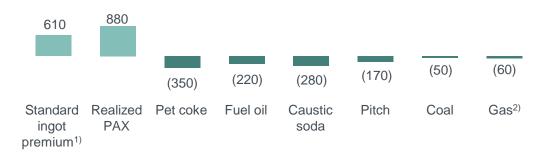
Significant exposure to commodity and currency fluctuations



Aluminium price sensitivity +10%



Other commodity prices, sensitivity +10%



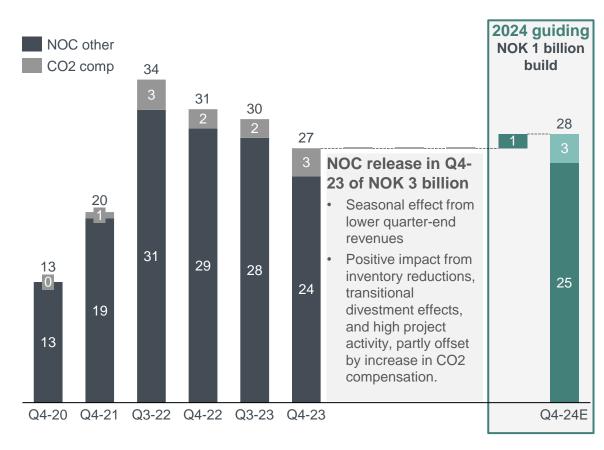
Currency sensitivities +10%

Sustainable effect:

NOK million	USD	BRL	EUR
AEBITDA	4,090	(990)	(100)
One-off reevaluation effect:			
Financial items	(1,270)	1,490	(3,770)

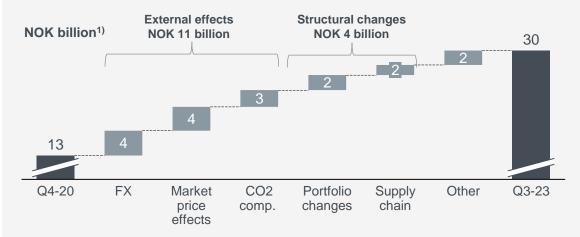
- Annual adjusted sensitivities based on normal annual business volumes. LME 2,250 USD/mt, standard ingot premium (Europe duty paid) 285 USD/mt, PAX 365 USD/mt, fuel oil 840 USD/mt, petroleum coke 395 USD/mt, pitch 925 EUR/mt, caustic soda 385 USD/mt, coal 85 USD/mt, gas (Henry Hub) 2.56 USD/MMBtu, USDNOK 10.50, BRLNOK 2.12, EURNOK 11.41
- Aluminium price sensitivity is net of aluminium price indexed costs and excluding unrealized effects
 related to operational hedging
- BRL sensitivity calculated on a long-term basis with fuel oil assumed in USD. In the short-term, fuel oil
 is BRL-denominated
- Excludes effects of priced contracts in currencies different from underlying currency exposure (transaction exposure)
- Currency sensitivity on financial items includes effects from intercompany positions
- 2024 Platts alumina index (PAX) exposure used
- Adjusted Net Income sensitivity calculated as AEBITDA sensitivity after 30% tax
- Sensitivities include strategic hedges for 2024 (remaining volumes for 2024, annualized)

Targeting stable Net Operating Capital in 2024

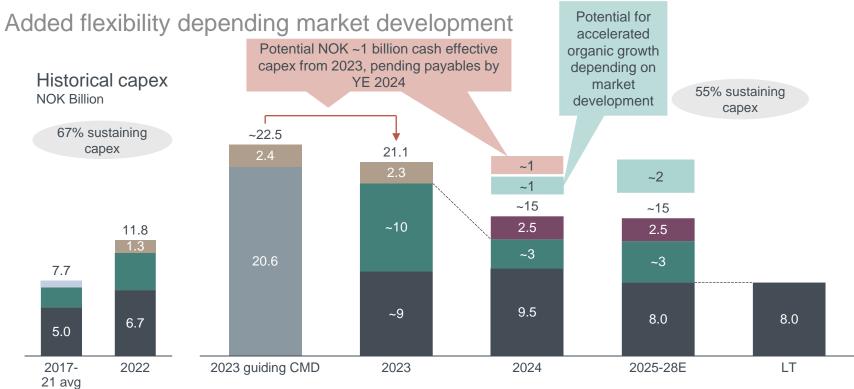


Structural changes and market effects driving Net Operating Capital increase historically NOK 17 billion NOC increase since Q4-20 (until Q3-23)

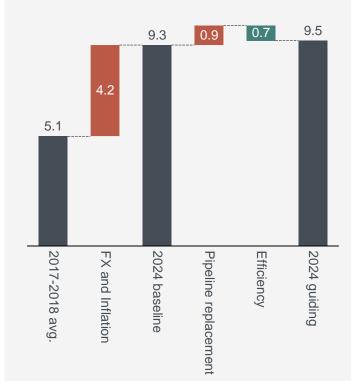
- Weakening reporting currency (NOK) (all BAs)
- Higher sales and raw material prices (all BAs)
- Introduction of CO2 compensation scheme (AM)
- Portfolio changes (AM, HE)
- Strategic supply chain changes (AM)
- M&A and growth
- Transitional inefficiencies due to restructuring and market volatility (AM, HE)



Underlying 2024 capex in line with last year's guidance



Sustaining capex development NOK Billion



Rolling Growth and return-seeking capex

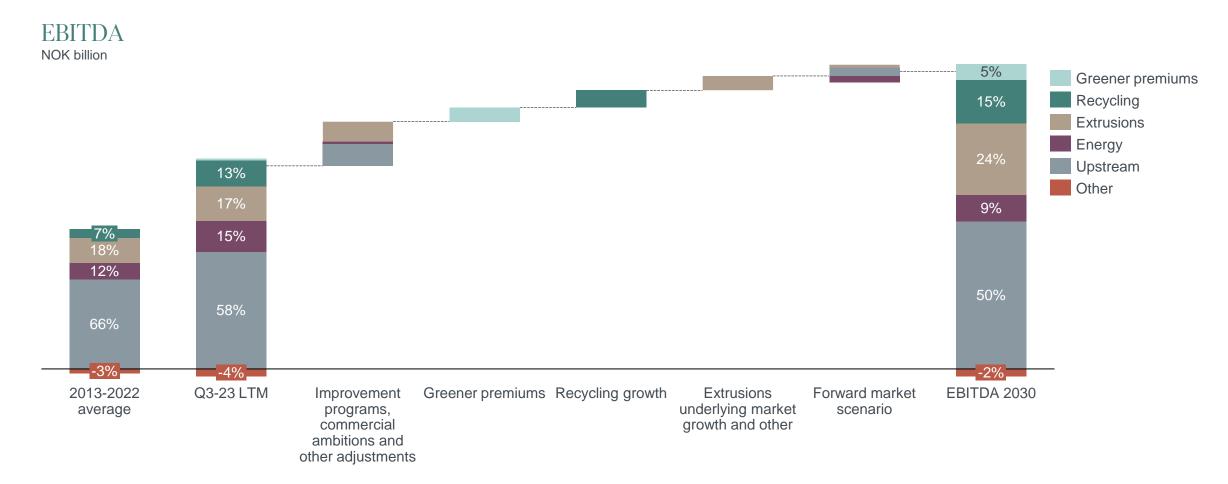
REIN (Macquarie share)

M&A Recycling

Capital allocation increases earnings resilience

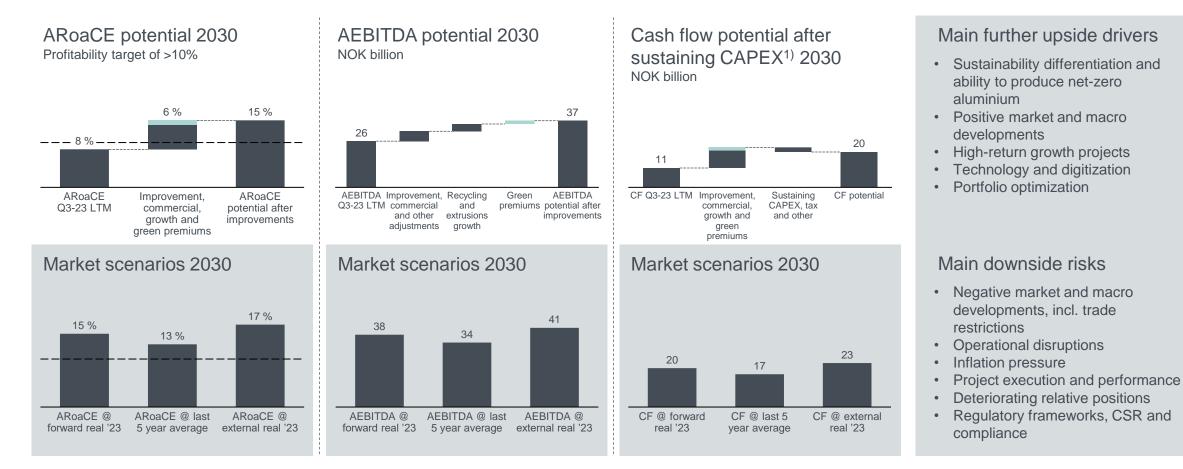


Extrusion and recycling margins, greener premiums growing as share of total earnings



Hydro profitability growth roadmap

Main drivers – improvement efforts, growth and market development



Cash flow calculated as EBITDA + tax + long-term sustaining CAPEX + other (lease payments, interest expenses)
 Assumptions and sources behind the scenarios can be found in Additional information
 Sources: External scenario is based on CRU price and premium assumptions and S&P Global FX assumptions, with adjustments as specified in the footnotes

Hvdro

Capital return dashboard 2023



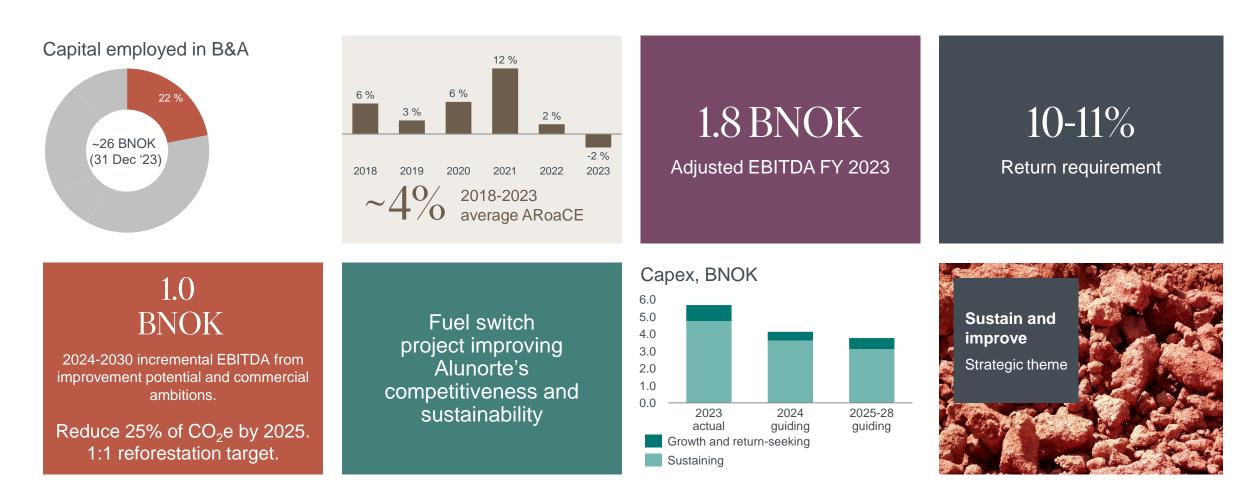


- Graph excludes (2.7) BNOK in capital employed in Other & Eliminations
- Adj. RoaCE calculated as adjusted EBIT last 4 quarters less underlying tax expense adjusted for 30% tax on financial items / average capital employed last 4 quarters 2)
- Average adjusted net debt last 4 quarters / total adjusted EBITDA last 4 quarters 3)
- Free cash flow operating cash flow excl. collateral and net purchases of money market funds, less investing cash flow excl. sales/purchases of short-term investments 4) 5)
- Including Energy commercial in scope, NOK 0.4 billion 2023 6)

Excluding Hydro Rein. Potential for additional NOK ~1 billion accelerated organic growth depending on market development. Potential NOK ~1 billion cash effective capex payables from 2023 on top, pending payables by YE 2024 7)

Capital return dashboard for Bauxite & Alumina

Returns below the cost of capital reflecting challenging markets, embargo and operational issues during the early years

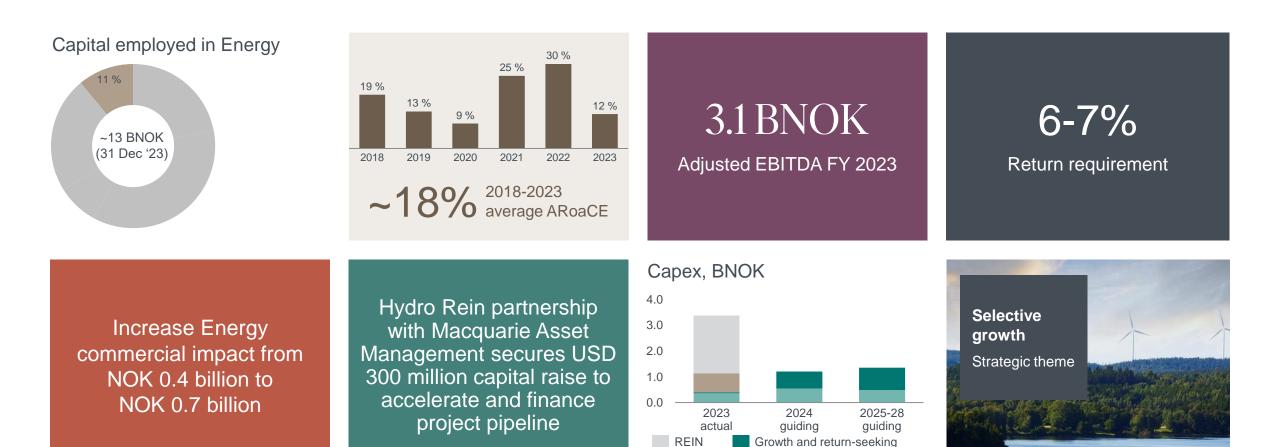


Hydro

Capital return dashboard for Energy

)))) Hydro

Returns above the cost of capital reflecting the depreciated asset base



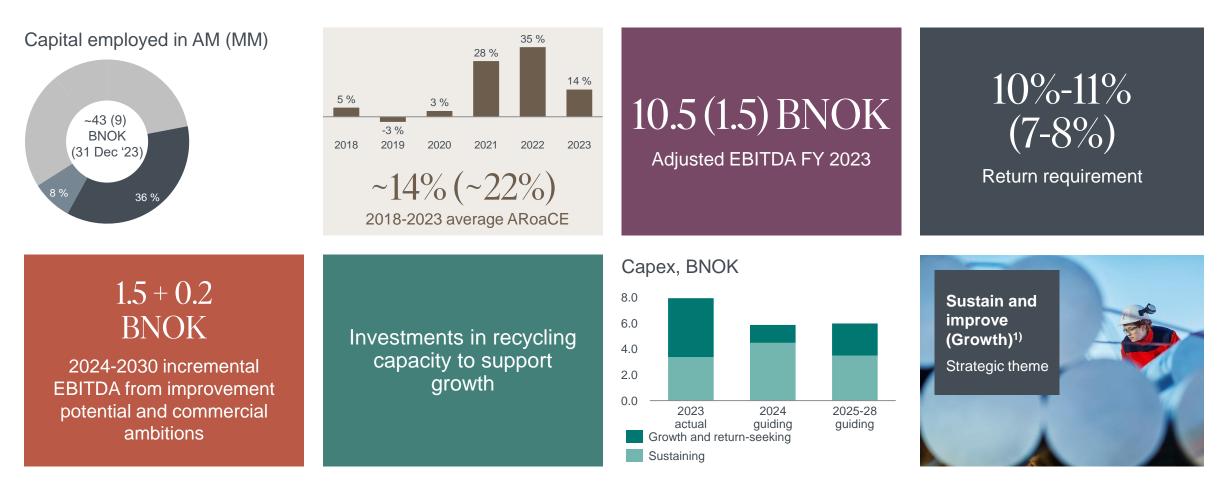
Sustaining

Batteries

Capital return dashboard for Aluminium Metal & Metal Markets



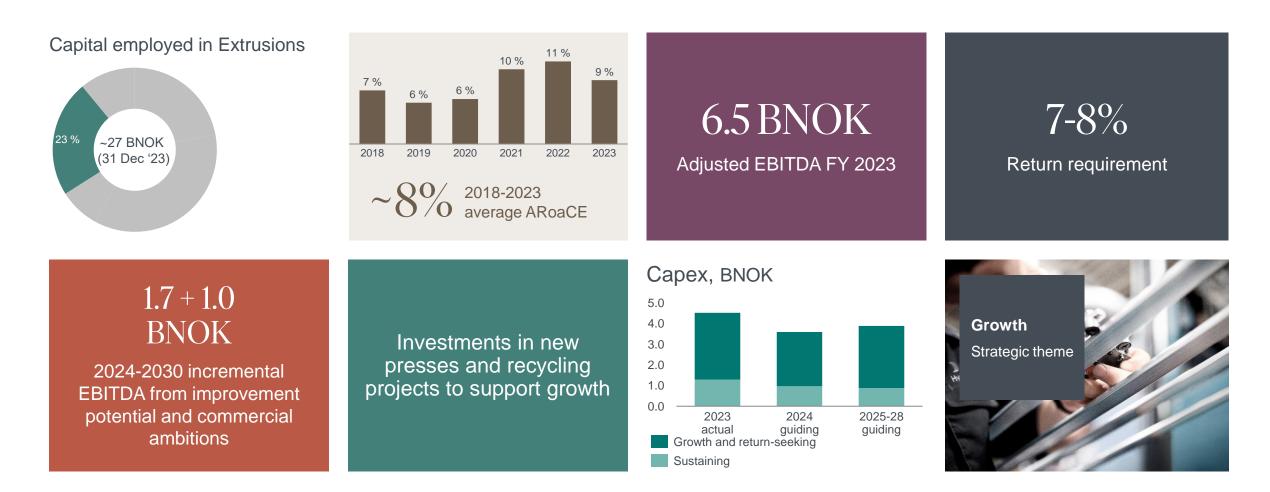
Investments in recycling capacity to support growth



Capital return dashboard for Extrusions



Returns in line with the cost of capital reflecting leading market positions in high value segments and portfolio optimization

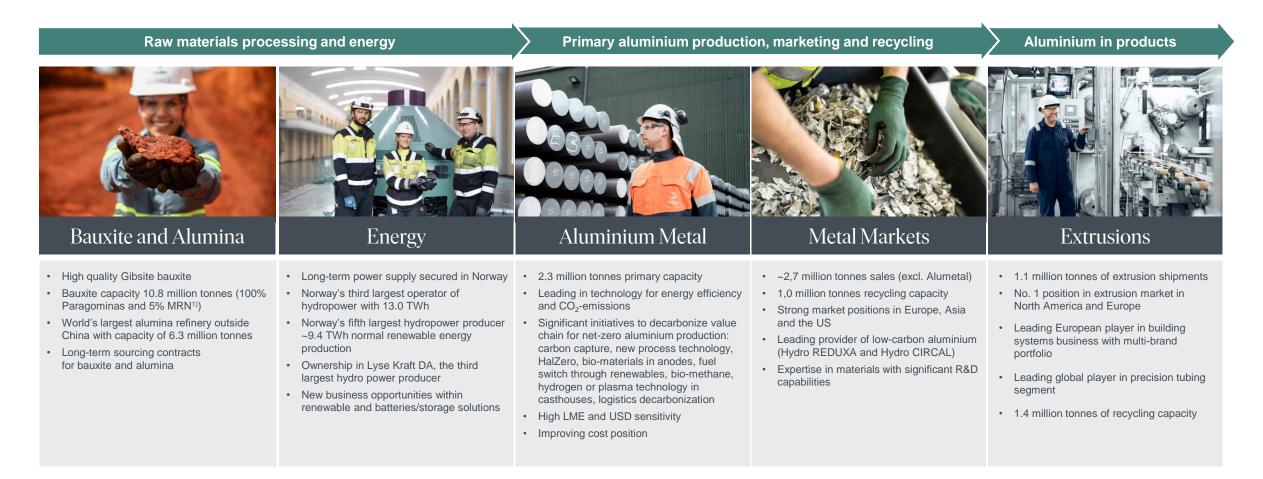




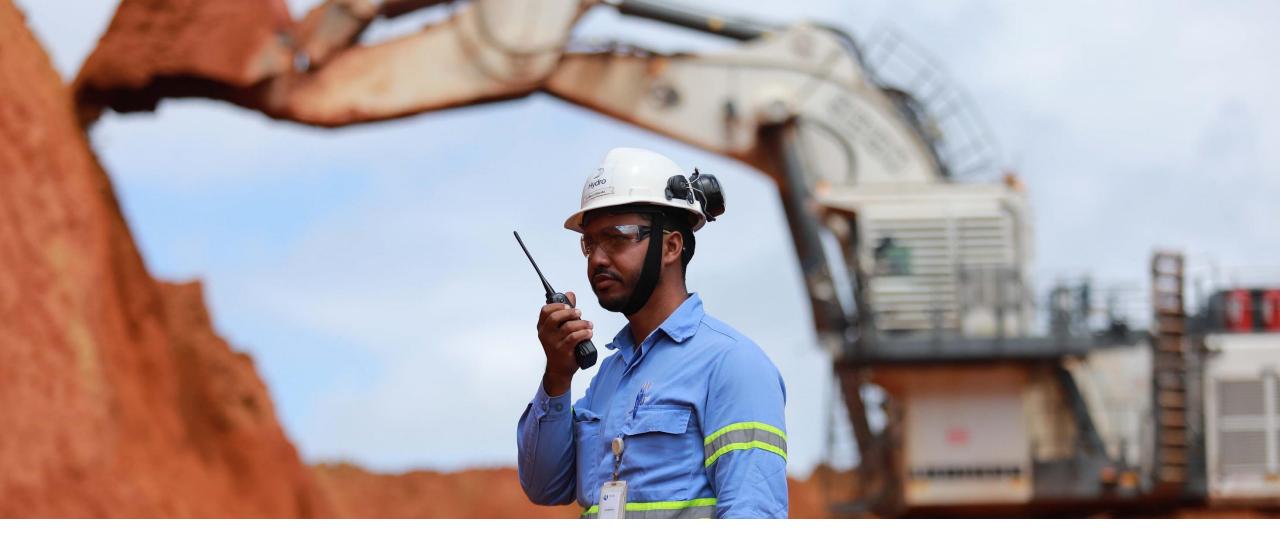
<u>Appendix:</u> Business Areas

The aluminium value chain

World class assets, high-end products and leading market positions



Hydro

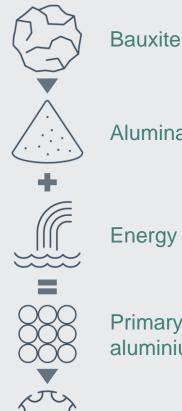


Bauxite & Alumina

B&A is an important enabler for low-carbon aluminium



Controlling the top of the value chain



Alumina



aluminium

Extrusion

We can produce among the lowest carbon aluminium in the world



Guaranteeing an integrated supply chain that follows world class ESG practices

Enabling greener premiums for our primary aluminium and extrusion products

WE ARE FOCUSED ON CARBON-NEUTRALITY BY 2039 throughout our entire value chain



Hydro has the highest quality, lowest carbon and most sustainable Alumina in the world allowing us to demand a greener premium from our top customers

By 2025 B&A will deliver:

- 1st Decile Energy usage
- 1st Decile Emissions
- **Best Practice Tailings Management**
- Best Practice Residue Management
- **Best Practice Reforestation**
- **Best Practice Social Investment**
- **Best Practice Community** Engagement
- Global EPD + greener premium

Industry frontrunner with robust operations

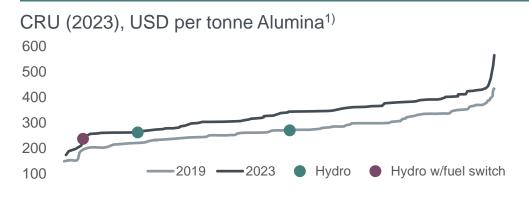


B&A have developed a more robust operation, but current market environment is challenging

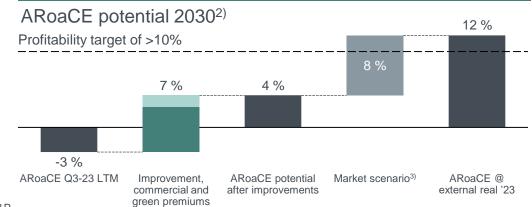
Improved operations

- Nameplate production at Alunorte/ Paragominas for the last 3 years
- Greatly improved asset integrity leading to the first award of ISO55001 to a refinery and to a bauxite mine
- Complete rebuild of the water management systems to reflect the changing climate/rainfall levels
- Successful deployment of the press filters
- · Development and deployment of tailings dry backfill
- Strengthened key relationships both in the government and local communities
- Rebalancing alumina portfolio (Glencore deal) to reflect internal Alumina needs, returning cash to Hydro
- All while delivering some of the highest quality alumina in the world

Competitive cost position



Roadmap to profitability in market scenario

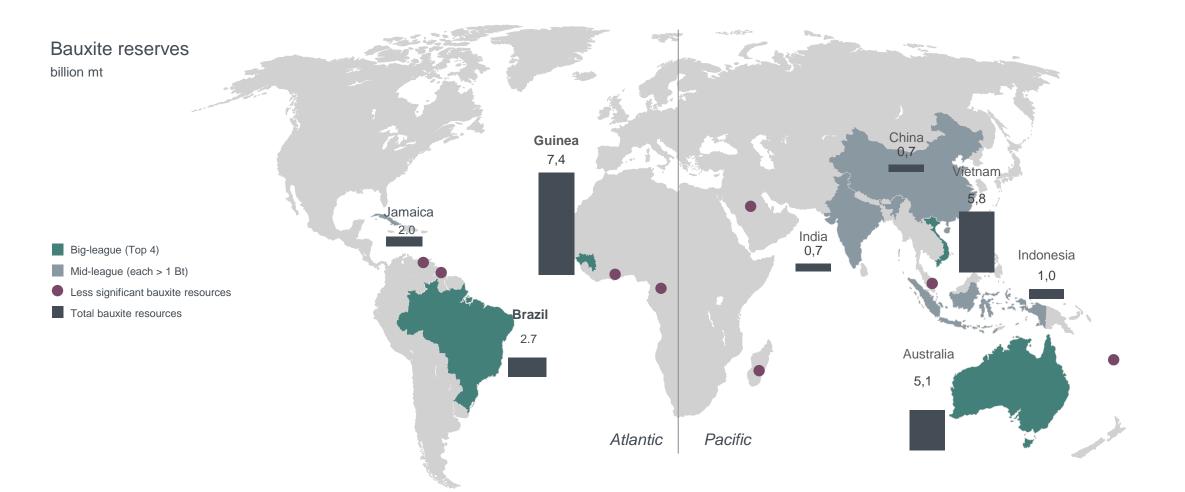


¹⁾ CRU 2023 cost curve. 2) Cash flow calculated as EBITDA + tax + long-term sustaining CAPEX. Assumptions and sources behind the scenarios can be found in Additional information. 3) Sources: External scenario is based on CRU price and premium assumptions and S&P Global FX assumptions, with adjustments as specified in the footnotes

Large and concentrated bauxite reserves



Guinea stands out as a long-term source



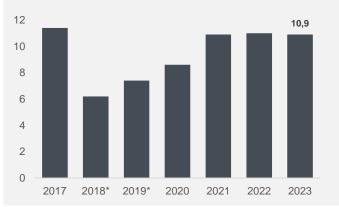
Bauxite and alumina cluster in Para, Brazil



Paragominas bauxite mine



Bauxite production, mt (100% ownership, nameplate capacity 9.9mt)

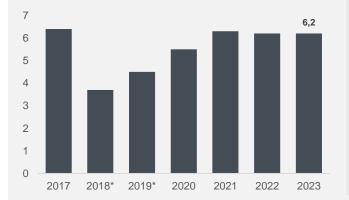


- Long-life resource
- Bauxite transported by pipeline
- Pioneering "tailing dry backfill" method for waste management

Alunorte alumina refinery



Alumina production, mt (62% ownership, nameplate capacity 6.3mt)



- World's largest alumina refinery outside China
- Bauxite supplied from Paragominas and MRN
- World-class conversion cost position
- State-of-the-art press filter tech to process bauxite residue
- Enhancing plant robustness to prepare for extreme weather events

Bauxite licenses

Refining and mining competencies

External supply contracts

Sales contract portfolio

Hydro and Glencore partnering up to further develop Alunorte

The sale is

an important

step to

deliver on

Hydro's

2025

strategy

Hydro balances its alumina portfolio after agreement with Glencore¹⁾

- Hydro has sold 30% of Alunorte and 5% ownership in MRN to Glencore
- Glencore acquired an additional 40% of MRN, currently owned by Vale. This stake will be acquired by Hydro from Vale and immediately sold to Glencore on a back-to-back basis.
- The transaction has an *enterprise value of USD 1.15 billion* (including ARO).
- Net debt at Alunorte as of 31 March 2023 was USD 375 million

• Proceeds used for strategic growth investments in line with Hydro's 2025 strategy and shareholder distribution

- Alunorte is a core strategic asset, however <u>equity alumina production</u> <u>will be more balanced</u>
- Continue to reduce emissions from Alunorte through fuel switch project and electrification of coal boilers, <u>targeting first decile position on global</u> <u>carbon curve by 2025</u>
- <u>Strong commitment to continue</u> <u>development of social projects</u> to improve the lives and livelihoods in nearby communities



- Location: Barcarena, state of Pará, Brazil
- Annual capacity: 6.3 mt/year
- Employees: 7 900¹⁾
- Pre transaction ownership: **92%**
- Post transaction ownership: 62%



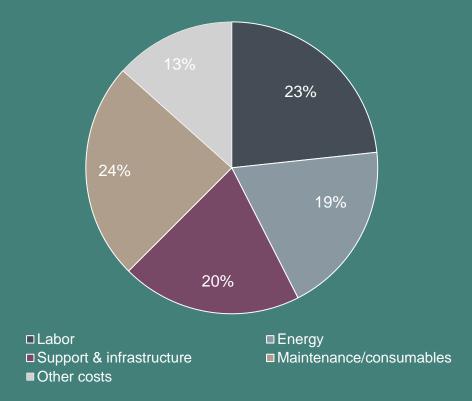
- Location: Oriximiná-PA, Brazil
- Annual capacity: **12.5mt /year**
- Employees: 5 200²⁾
- Pre transaction ownership: 5%
- Post transaction ownership: 0%

2) Includes contractors

Bauxite operational mining costs in Paragominas

- Labor cost
 - Influenced by Brazilian wage level
- Energy cost
 - Refers to power and fuel cost
- Maintenance and consumables
 - Mainly influenced by Brazilian inflation
- Large fixed cost base (labor and maintenance) participation

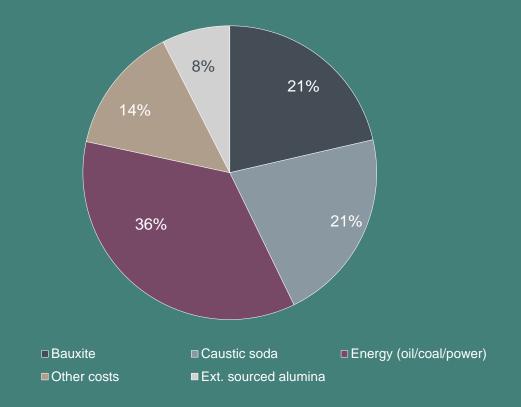
Indicative Paragominas bauxite mining costs



Favorable integrated alumina cost position

- Implied alumina cost 2023 USD 340 per mt¹⁾
 - Alunorte, Paragominas and external alumina sourcing for resale
- Bauxite
 - Internal bauxite from Paragominas at cost, sourced bauxite from MRN
- Energy
 - · Energy mix of heavy fuel oil, coal and electric power
- Caustic soda
 - Competitive caustic soda consumption due to bauxite quality
 - Competitive caustic soda sourcing contracts
- Other costs
 - Maintenance, labor and services

Indicative implied alumina cost composition



1) Realized alumina price minus Adjusted EBITDA for B&A, per mt alumina sales

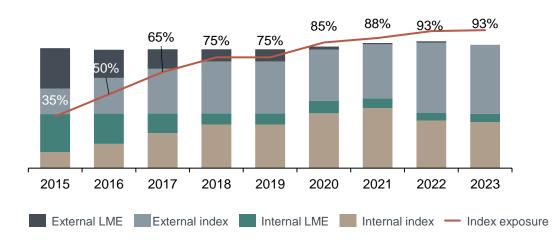
Strong commercial organization maximizing the value of B&A assets



- 4.0-4.5²⁾ million mt of external alumina sourced annually
- Long term off-take agreement with Rio Tinto
 - ~900 000 mt annually from Yarwun refinery
- Short and medium-term contracts
 - To balance and optimize position geographically
 - Various pricing mechanisms
 - Older contracts linked to LME
 - New medium to long term contracts mostly index
 - Fixed USD per mt for spot contracts on index

Long positions in alumina

- Pricing should reflect alumina market fundamentals
- Selling 3-4 million mt per year of alumina externally
 - Index pricing¹⁾ (the new norm) and short to medium-term contracts
 - New contracts: 100% sold on index, except hydrate and short-term contracts, normal terms 1-3 years
 - Legacy LME-linked contracts: priced at ~14% of LME 3M



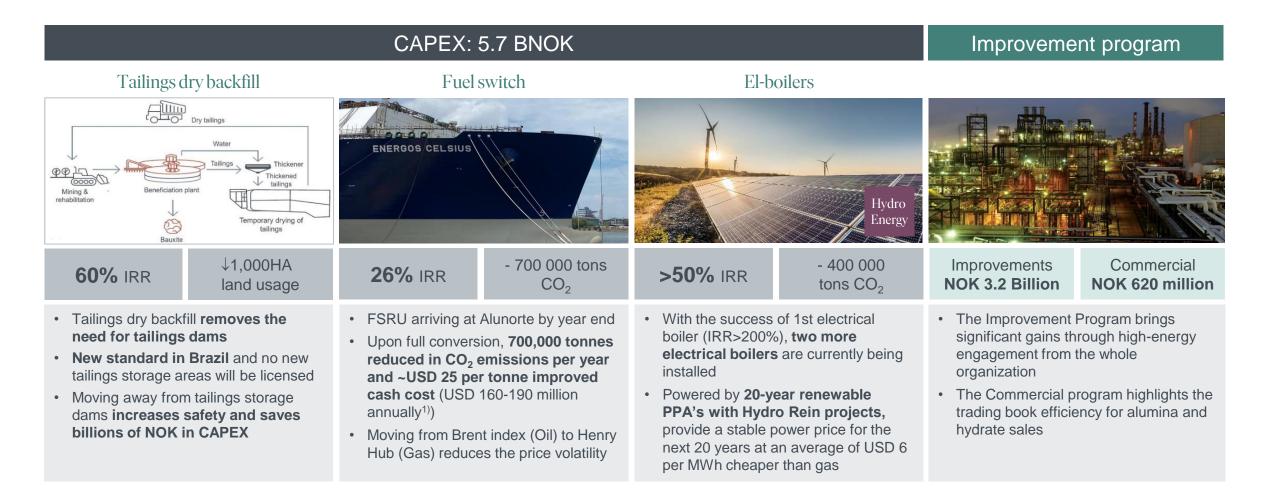
¹⁾ Rounded figures. Indicating volumes available for index pricing. Includes minority sales priced at % of LME with floor. Based on annual sourced volumes of around 2.5 mill t, assuming normal production at Alunorte.

2) Including volumes repurchased from Glencore under the term of the sale of 30% equity in Alunorte

Hvdro

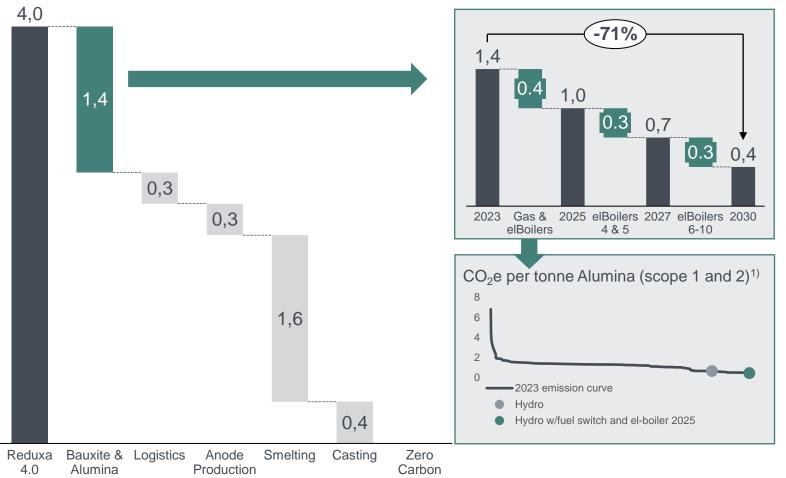
Focus on driving profitability in a sustainable way





Alunorte to reduce carbon 70% by 2030

$CO_2 e$ emissions kg CO_2 /kgAl





- Already 1st Quartile emissions in 2023
- Fuel Switch and three el-boilers will move Alunorte to one of the lowest smelter grade Alumina available (project being executed)
- Further two el-boilers will remove the need to use coal by 2027
- An additional five el-boilers will give us the ability to produce steam without emissions





Contributing to nature positive





Reforestation

- **Best practice reforestation program** in Paragominas, exceeding 1-to-1 replanting on a strict a three-year cycle:
 - Year 1 = Deforestation
 - Year 2 = Mining
 - Year 3 = Reforestation
- Working together with multiple universities and researches
- Expanding the program and start rehabilitation outside of our mine, contributing towards Nature Positive



Residue management

- Hydro is current best practice in Residue management averaging 0.7T of Residue per T of alumina
- Entered into an agreement with Wave Aluminium – creating the potential to extract up to 1 million tonnes of carbon free pig iron from residue each year
- The first phase of the treatment plant will go live in 2024 and will be capable of processing 50,000T of Residue

Investing in the community is our license to operate





Social Infrastructure

- Construction of 9 Terpaz community centers (3 already built) targets security, income generation and access to basic services to 1,500 people per day
- Construction of a Technical School with the capacity to educate 1,200 students per year



Community Projects

- Investment in community-based projects benefitted 80 thousand people since 2018
- 60 thousand people with access to education
- 1,400 family farmers with access to technical support



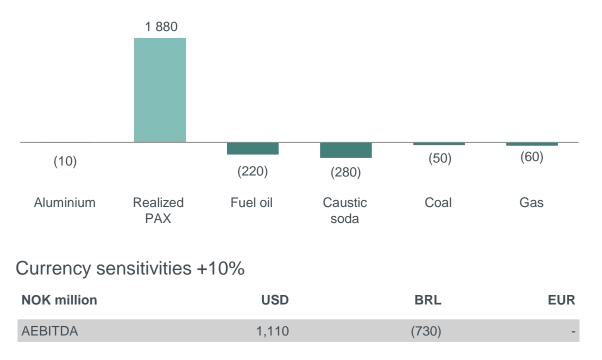
Stakeholder Engagement

- Transparency, dialogue and volunteer work are performed by a dedicated team
- 178 community leaders are involved in a dialogue forum called Sustainable Barcarena Initiative
- 500 volunteers worked to benefit 14 thousand people and 70 local organizations

Bauxite & Alumina sensitivities



Annual sensitivities on adjusted EBITDA if +10% in price NOK million



Revenue impact

• Realized alumina price lags PAX by one month

Cost impact

Bauxite

- ~2.45 tonnes bauxite per tonne alumina
- Pricing partly LME-linked

Caustic soda

- ~0.1 tonnes per tonne alumina
- Prices based on IHS Chemical, pricing mainly monthly per shipment

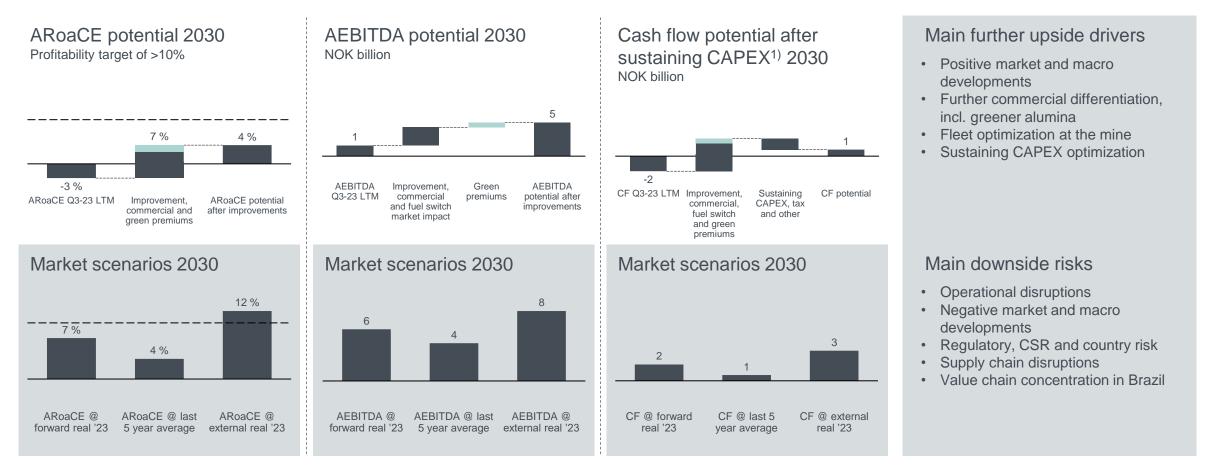
Energy

- ~0.12 tonnes coal per tonne alumina, Platts prices, one year volume contracts, weekly per shipment pricing
- ~0.11 tonnes heavy fuel oil per tonne alumina, prices set by ANP/Petrobras in Brazil, weekly pricing (ANP) or anytime (Petrobras)

Annual adjusted sensitivities based on normal annual business volumes. LME 2,250 USD/mt, standard ingot premium (Europe duty paid) 285 USD/mt, PAX 365 USD/mt, fuel oil 840 USD/mt, petroleum coke 395 USD/mt, pitch 925 EUR/mt, caustic soda 385 USD/mt, coal 85 USD/mt, gas (Henry Hub) 2.56 USD/MBtu, USDNOK 10.50, BRLNOK 2.12, EURNOK 11.41 BRL sensitivity calculated on a long-term basis with fuel oil assumed in USD. In the short-term, fuel oil is BRL-denominated. 2024 Platts alumina index (PAX) exposure used

Bauxite & Alumina profitability growth roadmap

Main drivers – fuel switch, commercial differentiation and market development



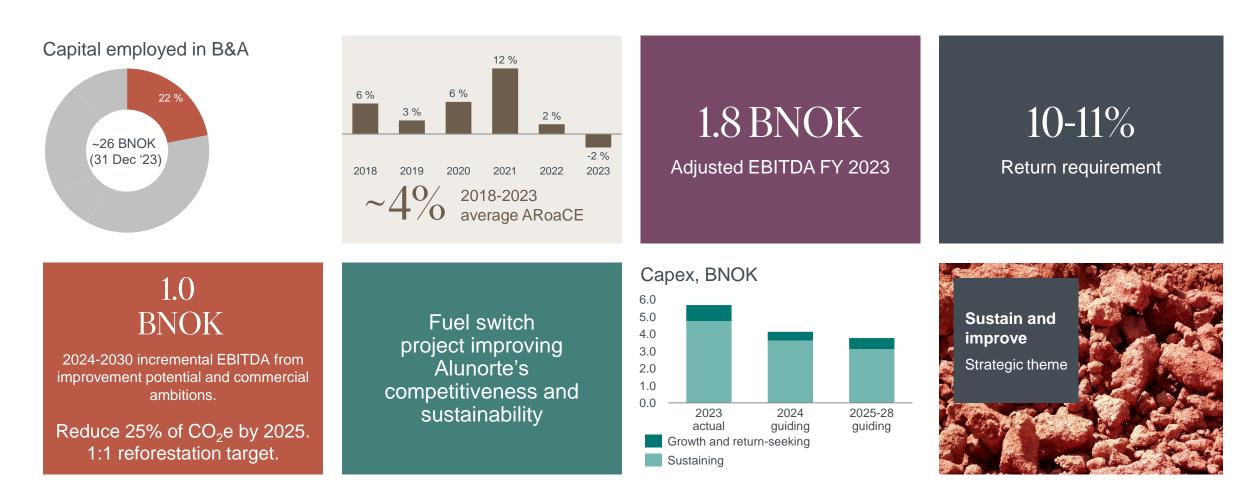
Assumptions and sources behind the scenarios can be found in Additional information

Sources: External scenario is based on CRU price and premium assumptions and S&P Global FX assumptions, with adjustments as specified in the footnotes

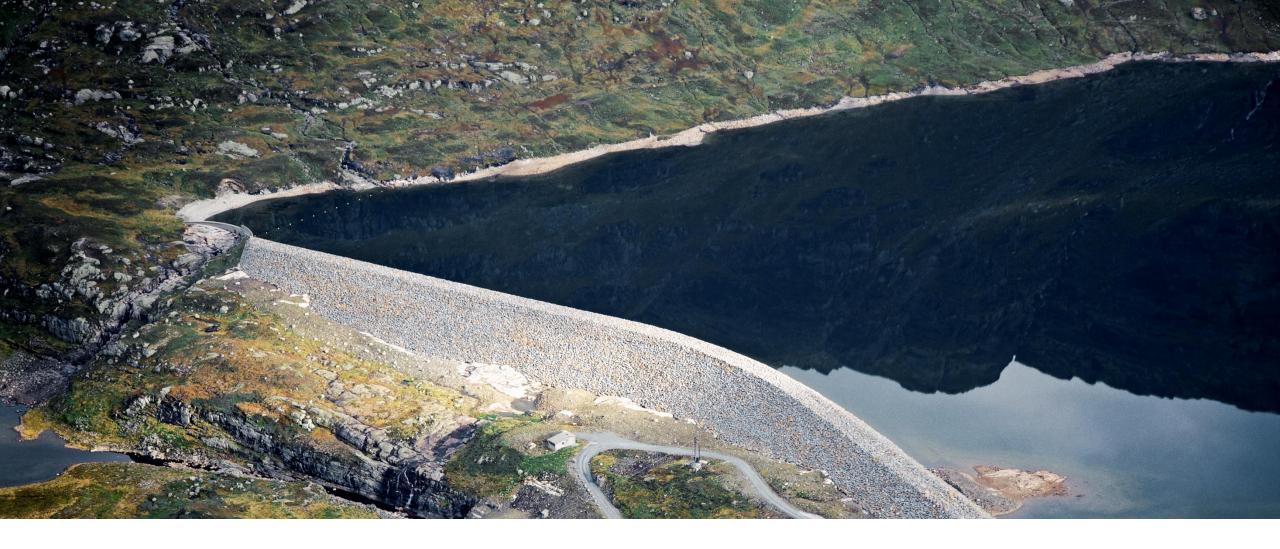
Hvdro

Capital return dashboard for Bauxite & Alumina

Returns below the cost of capital reflecting challenging markets, embargo and operational issues during the early years

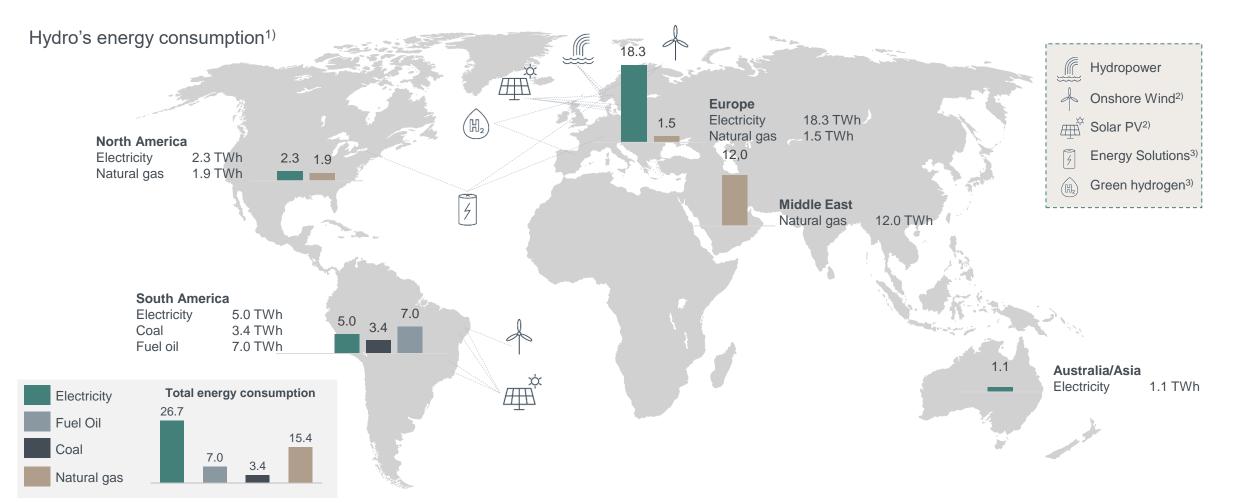






Energy

Pioneering the green aluminium transition, powered by renewable energy



1) Based on equity-adjusted 2022 values for Norsk Hydro's bauxite mines, alumina refineries, smelters, remelters and extrusion plants.

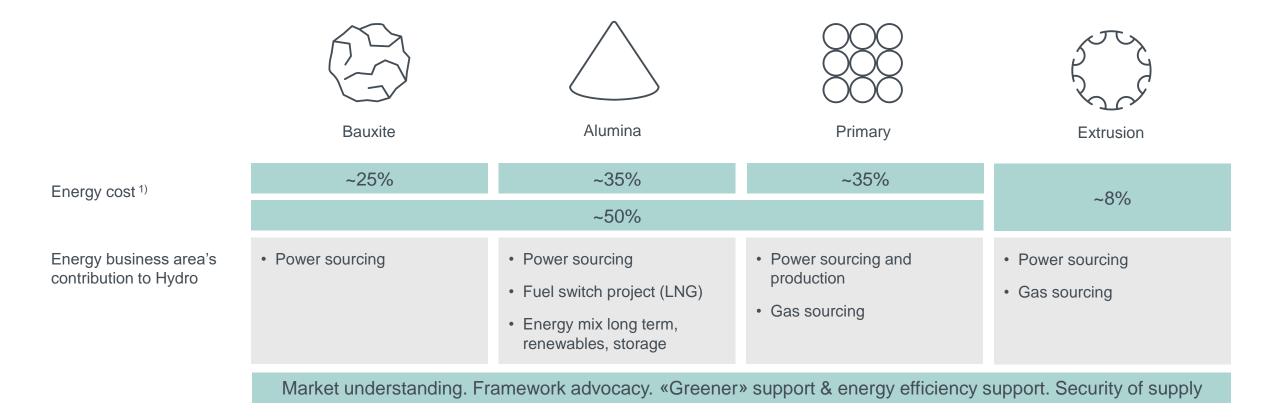
2) Only projects in operation and under construction or announced. 3) Only pilot projects

Hydro

Energy is a key differentiator in the aluminium industry



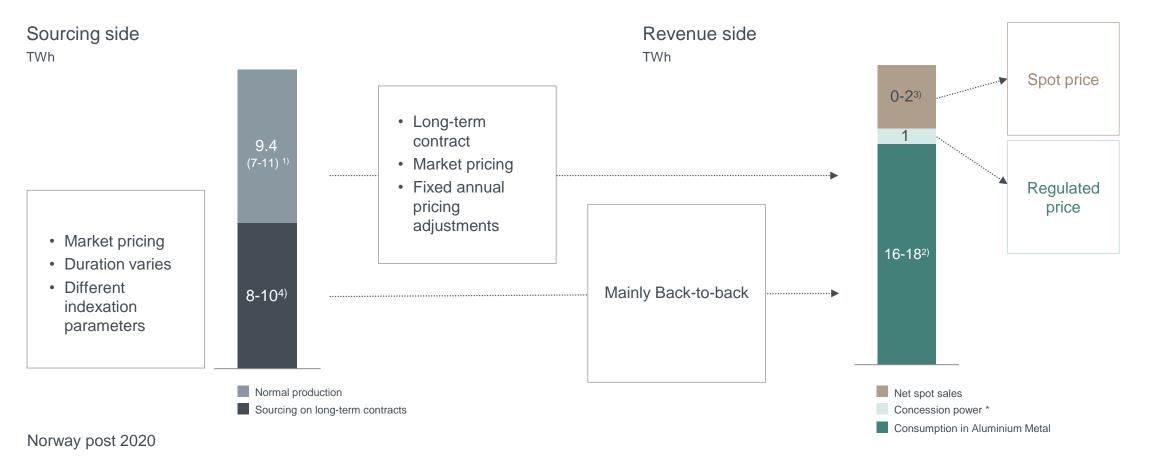
Center of energy excellence in Hydro



Market pricing principle applied to internal contracts



Based on external price references



1) Depending on the precipitation level, hydropower production may vary from 7 TWh in a dry year to 11 TWh in a wet year

2) Consumption in AM at current production levels and at full installed capacity

3) Net spot sales vary depending on the power production level and internal consumption in AM

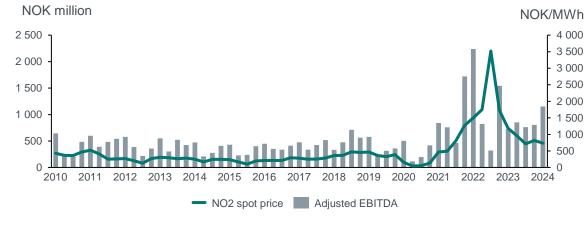
4) Depending on status of sourcing

Energy EBITDA development









- Production and market prices strongly linked to hydrological conditions
- Seasonal market variations in demand and supply. Gains or losses may occur from delink between area prices arising due to transmission capacity limitations in the Nordic area
- Power portfolio optimized versus market
- Lift in annual EBITDA contribution from 2021
 - Positive impact from expiry of legacy supply contract from 2021
 - 8 TWh internal contract for power sales to Aluminium Metal in Norway effective from 2021-30
- Stable and competitive production cost base:
 - Mainly fixed costs
 - Volume-related transmission costs
- Maturing portfolio growth options; emphasis on flexible production & selected geographies

Norwegian power market surplus in question

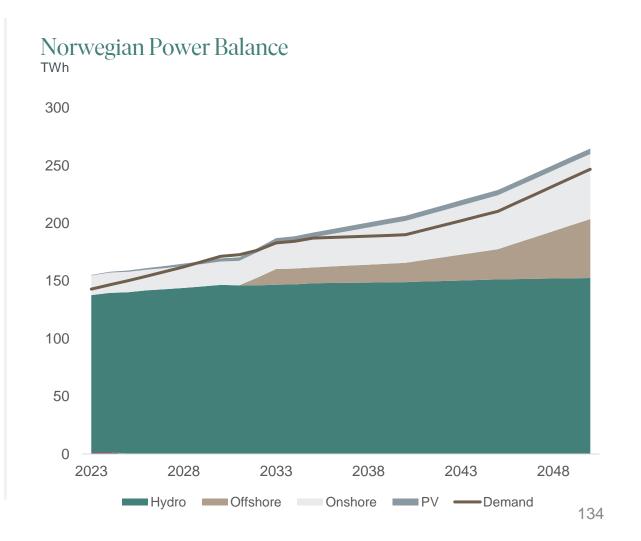
Public opposition to onshore wind parks limiting the effect of attractive renewable resources

Market uncertainty prevails

Power market balance weakening (short-medium term)

Demand from electrification and new industries outpaces supply in the short end

Lack of certainty regarding timing of new offshore wind areas



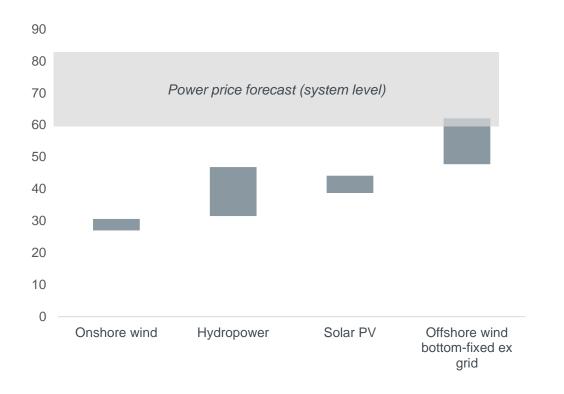


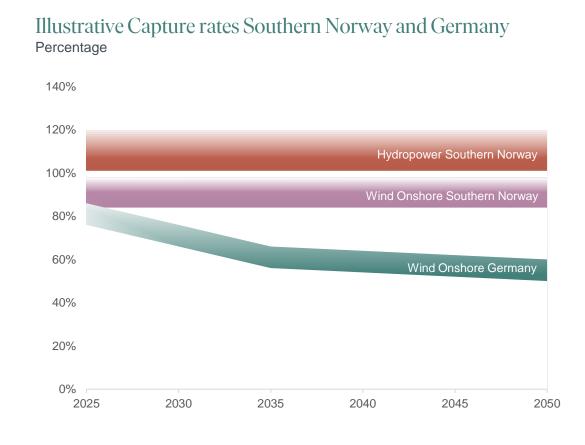
Norwegian power projects remain attractive



Attractive resource base and cost level, and onshore wind is enabler for renewables at low shaping cost

Range of LCOE and Nordic System price to $2030^{1\!\text{)}}$ 2023 EUR per MWh





*For year 2022 and 2023

Wind and hydropower interplay is key for future system

12000

10000

8000

6000

4000

2000

Ω

Hydro power production MWh/h

NO2 Week 6 2023 ■ Hydro power ■ Wind power 12000 10000 8000 MWh/h 6000 4000 2000 0 6, feb. 7, feb. 8, feb. 9, feb. 10, feb. 11, feb. 12, feb. Hours

Hourly Total

Share of wind production in NO2 is currently 10-12 %*

Flexible hydropower production adjusts according to intermittent wind production

Hourly per source

NO2 Week 6 2023

-Hydro (LHS) -Wind (RHS)

1600

1400

1000

800

0

MW 1200



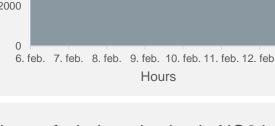
to achieve the lowest for system balancin

complementary

Wind power production 600 400 200

Hours

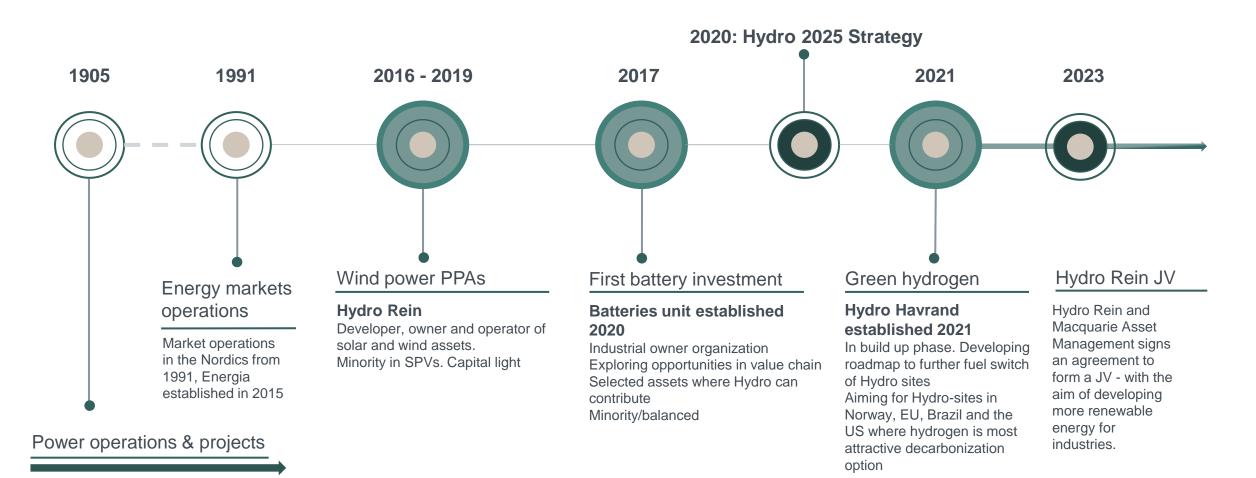
6. feb. 7. feb. 8. feb. 9. feb. 10. feb. 11. feb. 12. feb.





Pursuing growth opportunities at different stages

Realizing value potential

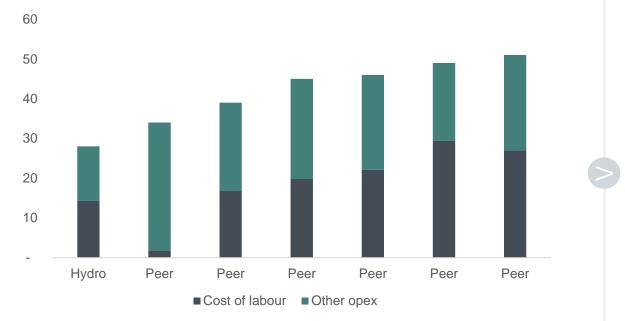


Hydro

Energy: Strong production platform, market performance and growth opportunities



Resource spend Norwegian hydropower players 2022 NOK per MWh



Industry leader on cost and operational performance

Strong platform for value creation

- EBITDA "platform" from operations
 - 8 TWh on long term contracts (predictable prices)
 + 2 TWh (average) net long spot volume in merchant market
 - App. NOK 3.5 billion LTM adjusted with normal production and no area price gain¹⁾
- Commercial contribution of app. NOK 400 million (average last years) comes in addition
- Maturing portfolio growth options; emphasis on flexible production and selected geographies

Energy assets and unique competence drive value creation across Hydro



Strong platform for production, sourcing and advisory

L

Operations and projects: HSE excellence, operating 40 power plants across Norway (hydropower and wind). Large scale project execution across new units and Hydro



Commercialize positions: PPA originator, from "as produced" to PPA profile, highly competitive sourcing and optimal energy solutions

<u>₹</u>

Market, grid & regulatory insight: Strong market presence and insight, monitoring regulatory initiatives across Norway, the EU and Brazil. Grid and infrastructure development

Decarbonizing Hydro and external industries

Decarbonizing Hydro

- Power sourcing, managing and matching profiles and consumptions
- Hydro Rein offering renewable power and energy solutions
- Hydro Havrand replacing fossil fuels with green hydrogen
- Hydrovolt delivering post consumer aluminium scrap from used EV batteries

Decarbonizing industries

- Investing in renewables in the Nordics, Europe and Brazil and PPAs to external customers
- Battery materials investments focused on reduced CO₂footprint from LCA¹ perspective
- Green hydrogen to fuel switch industries and transport

Position and capabilities across entire value chain

Major renewable energy producer, market player and offtaker

In Operation

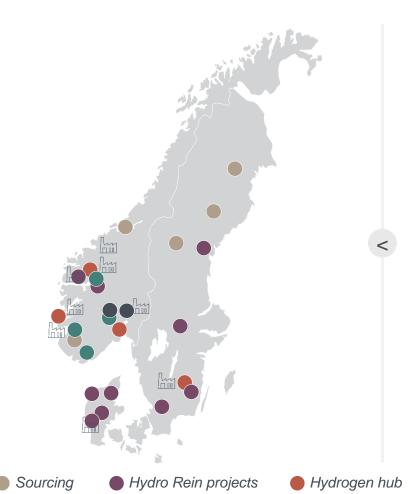
Hydropower in Norway (equity): 9.4 TWh Hydropower in Norway (operator): 13 TWh Wind power in Norway (operator): 0.7 TWh

Sourcing

Hydropower in the Nordics: 6 TWh Wind power in the Nordics: 4.2 TWh*

Hydro Rein projects under development

Wind power in the Nordics: 4.4 TWh Solar power in the Nordics: 1.1 TWh



Offtake Aluminium Metal

Norwegian smelters: 17 TWh

Offtake Extrusions

Industrial offtake

Selected Extrusion plants: 0.1 TWh

Potential offtake Batteries

Potential sites portfolio companies: 1 TWh

Potential offtake green Hydrogen

Hydrogen hubs at selected strategic sites

* Sourcing volumes in 2023/2024 affected by disrupted delivery of volume from a long-term power purchase agreement in the northern part of the Nord Pool area.

Equity power

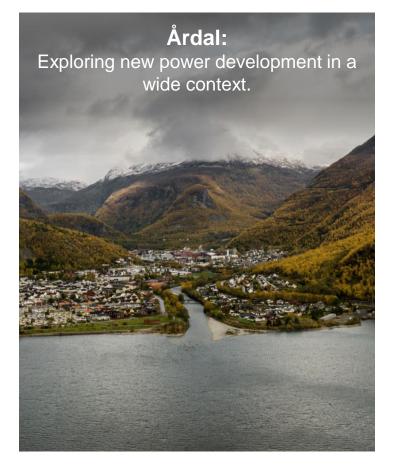
Market operations

Status for Hydro's wind projects in Western Norway



Pursuing opportunities to develop and source power to industry





Other locations: Actively exploring opportunities for new power development close to Hydro's aluminium smelters.



Value creation across the energy space going forward

High performance and profitability ambitions: Energy Classic ROACE > 15% Hydro Rein JV platform annual eIRR 10 – 20 % Batteries 3x invested capital, 20% TSR average annually

2

Grow value of our Norwegian portfolio through upgrading of existing hydropower plants. Increase commercial ambitions in market operations

3

Develop Hydro Rein to become the preferred supplier of renewable energy solutions to industrial customers in core markets - and a key enabler for decarbonization of Hydro



Support Hydro across business areas and geographies with fuel switch solutions including green hydrogen



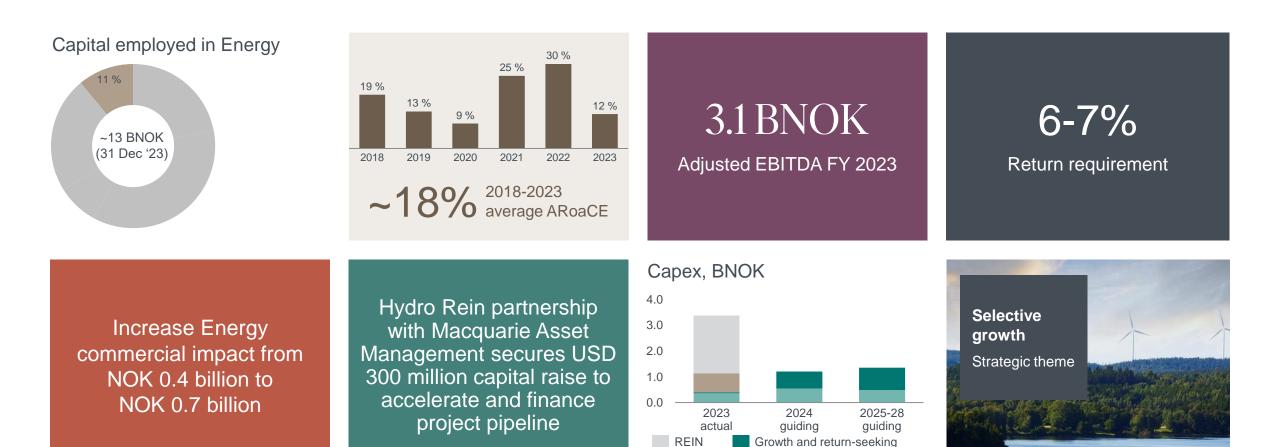
Develop our portfolio of assets delivering more sustainable battery materials, empowering the future of green mobility



Capital return dashboard for Energy

)))) Hydro

Returns above the cost of capital reflecting the depreciated asset base



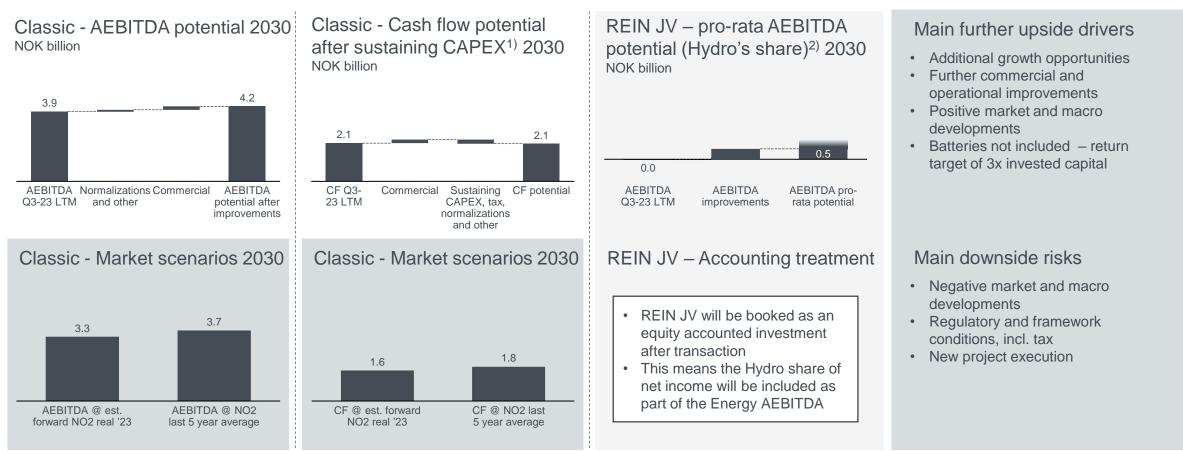
Sustaining

Batteries

Energy profitability growth roadmap



Main drivers – Net spot sales volume and market development



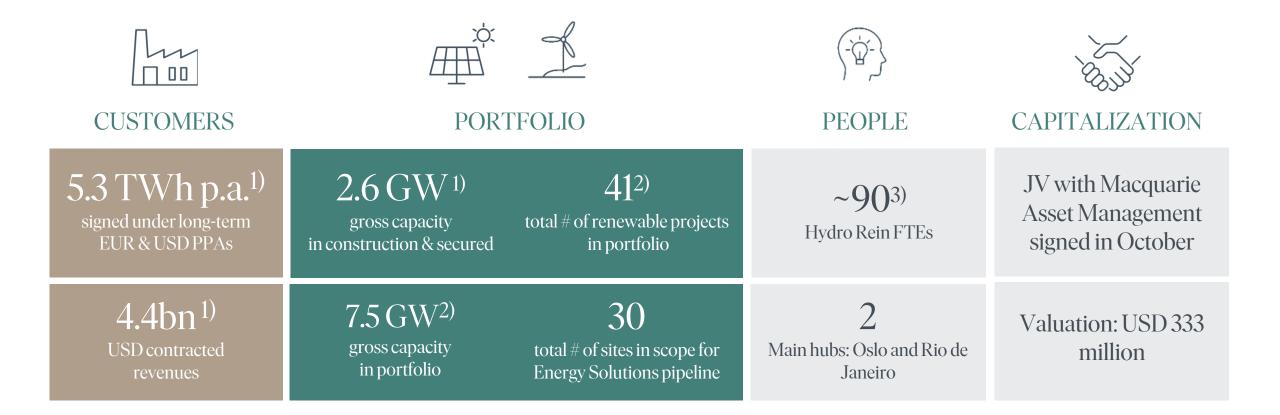
Note: Classic excluding growth from new energy areas

1) Cash flow calculated as EBITDA + tax + long-term sustaining CAPEX

2) EBITDA from assets. S&GA at JV-level not included

Assumptions and sources behind the scenarios can be found in Additional information

Hydro Rein's journey: Fast-tracking portfolio development



Status as of January 2024

1) Including Vista Alegre.

2) Total portfolio incl. wind projects in Western Norway

3) Including new contracted employees not yet started

Hydro

Portfolio overview: Renewable energy projects in the Nordics and Brazil



	Project	Country	Price area	Technology	# Projects	Ownership (%)) Partner(s)	Gross capacity (MW)	Production (GWh)	FID	COD
	Stor-Skälsjön	-	SE2	Å	1	25%	MEAG	260	807	2021	2024
UNDER CONSTRUCTION	Ventos de São Zacarias		Northeast	<u> </u>	1	49.9%	Green Investment Group	456	1,957	2022	2024
	Mendubim		Northeast		1	33.3%	Scatec equinor	531	1,227	2022	2024
	Boa Sorte		Southeast	ф.	1	30%		438	964	2022	2024
SECURED	Vista Alegre ²		Southeast		1	30%	RENEWABLE ENERGY	902	2,102	2024	2025
	Geisli Energi		NO1/NO2	1	Up to 16	49.9%	Opplysningsvesenets fond	Up to 655	730	2027+	2028+
	Snøheia		NO3	X	1	35% ³		300	1,000	TBD	TBD
	Årdal		NO5	TBD	1	TBD	Årdal Energi	TBD	TBD	TBD	TBD
PIPELINE ¹	SE3/SE4 portfolio		SE3/SE4	<u> </u>	9	50%	Solus	672	2,000	2028-29	2030-31
	S140 & S148 (Kalmar & Skåne län)		SE4		2	100%	N/A	118	143	2027	2028
	M36 & M108 (Jylland)		DK1	Щ ^ф	2	50%	COMMERZ REAL 스	362	412	2025-27	2027-28
	M93A (Tønder)		DK1	μ. Υ	1	100%	N/A	114	145	2025	2027
	M98 (Randers)		DK1	ά. Έ	1	100%	N/A	296	374	2026	2027
	Fótons de Santa Conceição		Northeast		1	49.9%	Image: A state of the	133	290	2024	2026

Notes: (1) Excludes Irupé project, an early stage floating solar PV project in Brazil with up to 2 GW potential (2) Rein has secured an option to enter the project (3) Owned 100% through Hydro Energi, development services by Hydro Rein

Onshore wind

∰ Solar PV

146

Current portfolio adds 2.4 TWh to Rein's captive power¹⁾



1.7 GW gross, approximately USD 1.8 billion gross

Renewable energy

Gross GW



Projects under construction



Status as of January 2024

1) Projects in construction and secured.

2) Total portfolio within JV scope, including Irupé.

3) Hydro Rein's ownership before farmdown to offtakers

Hydro Rein on track to becoming preferred supplier of renewable energy solutions to industrials



2026 Targets communicated at Hydro's Capital Markets Day 2022

3 GW Gross portfolio in operation and construction >500 MW added gross capacity to pipeline on average annually 400-450 MNOK¹⁾ Estimated EBITDA contribution from projects in construction

Key numbers¹): portfolio under construction – as of Q3 2023

1.7 GW
Gross portfolio in
operation and
construction~3 BNOK
Estimated pro-rata
Equity Capex (net of
agreed farm-downs)~410 MNOK
Estimated pro-rata
EBITDA2) from projects
in construction1.5 GW
Gross capacity added to
the pipeline in 2023YTDGross capacity added to
the pipeline in 2023YTD

2030 vision of continued profitable growth

Sustainable & attractive risk-adjusted returns 10-20% platform eIRR

Balanced portfolio

Between geographies and technologies

Services and capabilities

Covering the full value chain, capturing developer margin

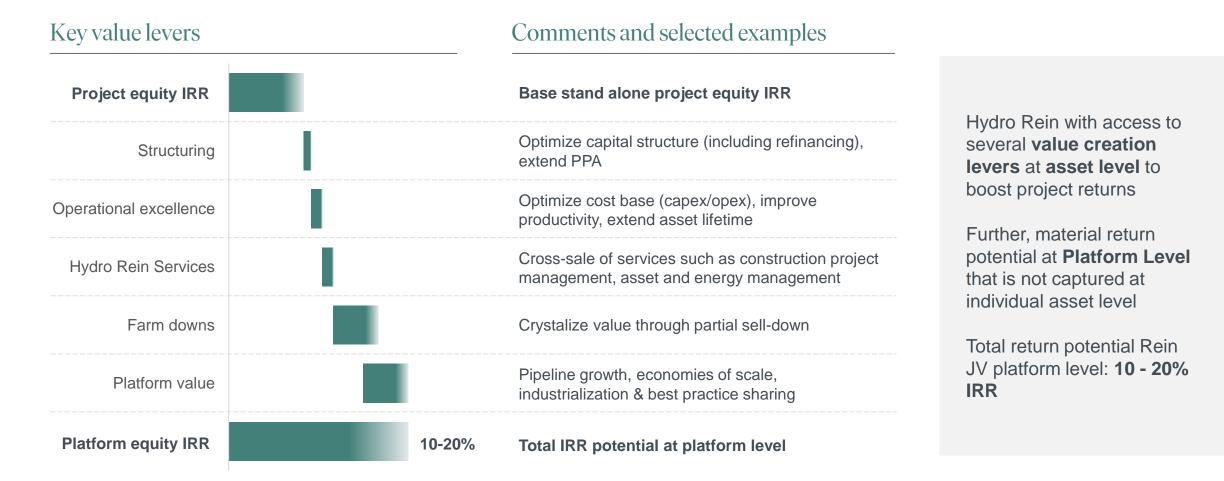
Regional leadership

REIN being one of the leading players in core geographies

Multiple value levers to create attractive returns

)))) Hydro

Value levers at project and platform level

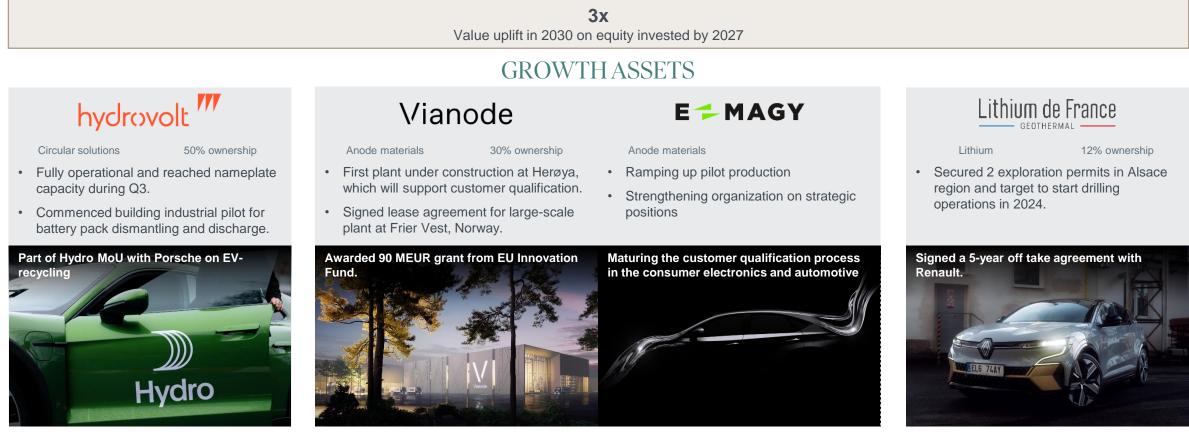


149

Empowering the future of green mobility

Progress in the sustainable battery materials portfolio throughout 2023

STRATEGIC TARGETS



PORTFOLIO HOLDINGS

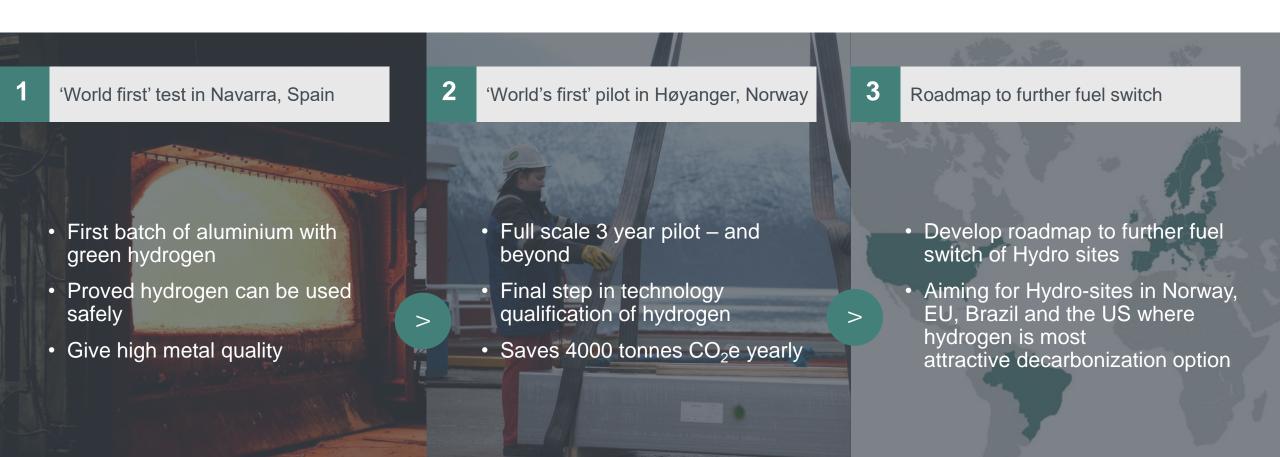


northvolt 0.6% owner share Hvdro

Hydrogen breakthrough

Hydro Havrand: World's first aluminium made with green hydrogen





Planned 2024/2025

2023 ➡



Aluminium Metal

Global production network



8 stand-alone extrusion ingot



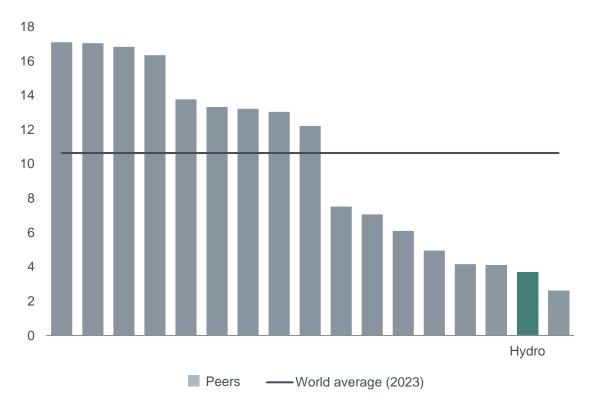
- recyclers Norway, 1 155 000 tonnes • 3 in the US • 5 in Europe (UK, Luxembourg, • Sunndal (100%): 430,000 tonnes France, Spain and Germany) • Årdal (100%): 205,000 tonnes St Peter & Alusort scrap sorting • Karmøy (100%): 275,000 tonnes facilities • Høyanger (100%): 65,000 tonnes • Husnes (100%): 200,000 tonnes Alumetal portfolio – 4 foundry alloy recyclers 8% Slovakia, 175 000 tonnes • 3 in Poland • 1 in Hungary • Slovalco (100%): 175,000 tonnes Nowa Sol scrap sorting hub • Hydro owns 55% • 100% primary production curtailed 14% Qatar, 325 000 tonnes • Qatalum (50%): 305,000 tonnes Recycling **Primary** 5% Canada, 128 000 tonnes 3% • Alouette (20%): 128,000 tonnes Australia, 75 000 tonnes • Tomago (12%): 75,000 tonnes million tonnes million tonnes 20% Brazil 460 000 tonnes • Albras (100%): 460,000 tonnes
 - Hydro owns 51%

2.3 million mt is consolidated electrolysis capacity, Slovalco and Albras are fully consolidated, Tomago and Alouette are proportionally consolidated and Qatalum is equity accounted. Slovalco based on primary capacity, not production (currently 100% primary production curtailed and lower remelt). 1.0 million mt includes 0.7 mill mt in stand-alone extrusion ingot recyclers and 0.3 mill mt in Alumetal, excluding additional remelt capacity in Primary casthouses.

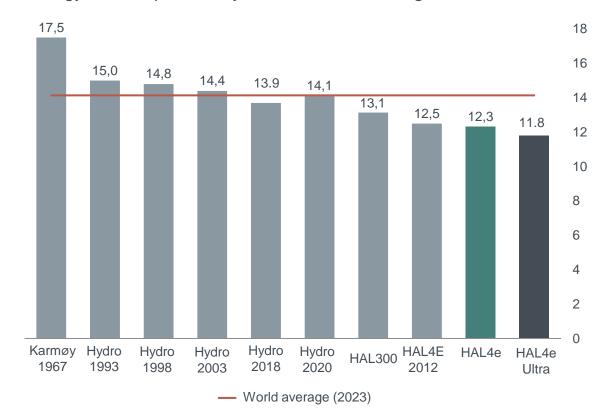
Low-carbon footprint due to renewable energy base and industry lowest energy consumption



Total emissions, in tonne CO_2/t al



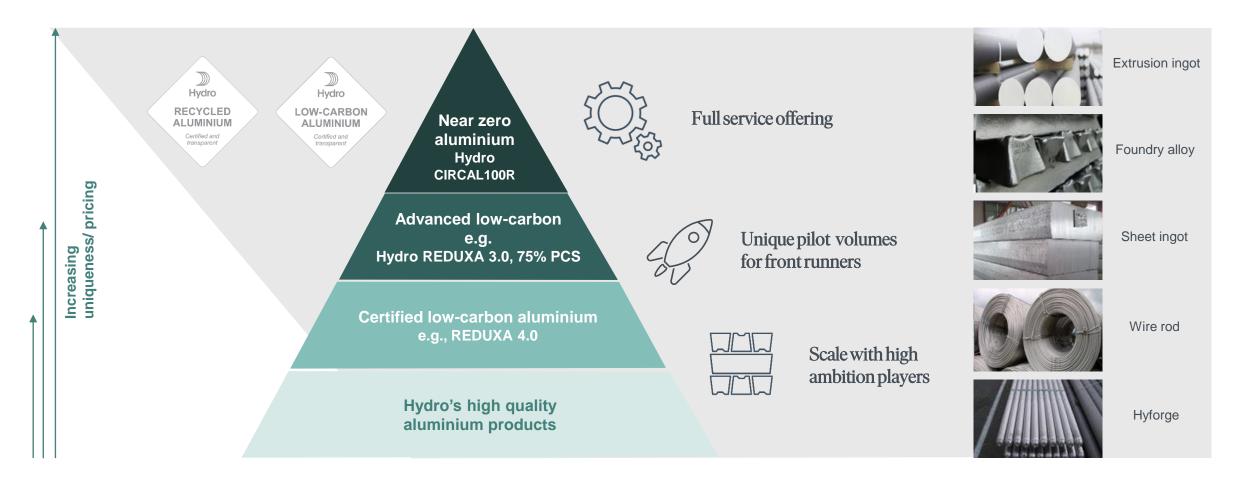
Energy consumption in Hydro smelters¹⁾, kwh/kg al



Source: CRU and Hydro analysis 1) Hydro's consolidated share

Hydro has a unique value proposition in aluminium

Going to market with a combined offering of primary and recycled aluminium with a full product spectrum and with tailor made alloys is unique to AM



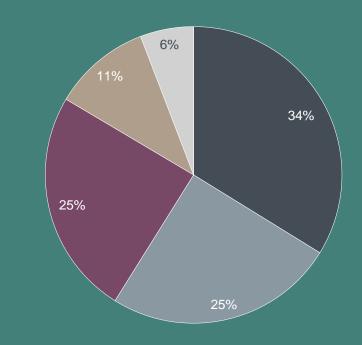
Hydro

Competitive primary aluminium cash cost

- Primary aluminium cash cost 2023
 - All-in implied primary aluminium cash cost^{1,2)} USD 2 225 per mt
 - LME implied primary aluminium cash cost^{1,3)} USD 1 750 per mt
- Alumina
 - Purchases based on alumina index ~93%
 - Purchased based on LME link ~7% (only for Qatalum)
- Power
 - Long-term contracts
 - 3/4 of power need from renewable power
 - · Contracts with a mix of indexations; inflation, LME, coal, fixed
- Carbon
 - Majority of contracts are based on 1-2 years, quarterly pricing
- Fixed costs
 - · Maintenance, labor, services and other
- Other
 - Other direct costs and relining

2) Realized LME aluminium price (incl.strategic hedges) plus premiums minus adjusted EBITDA margin, including Qatalum, per mt primary aluminium sold

Liquid aluminium cash cost 2023³⁾



■ Alumina ■ Power ■ Carbon ■ Fixed cost ■ Other

¹⁾ Adjusted EBITDA margin excluding power sales Slovalco, Albras and Norwegian smelter

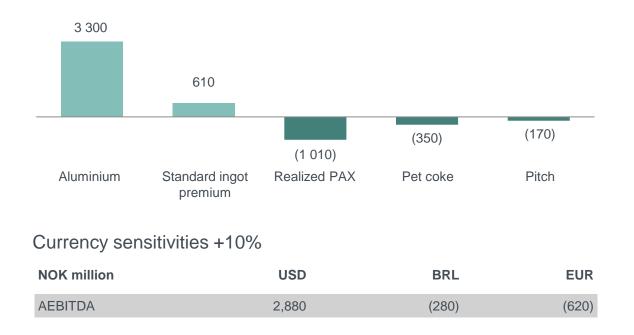
³⁾ Realized LME aluminium price (incl.strategic hedges) minus adjusted EBITDA margin, including Qatalum, per mt primary aluminium produced

⁴⁾ Pie chart based on cost of producing liquid aluminium, not directly comparable to the LME or All-in implied primary aluminium cash cost

Aluminium Metal sensitivities



Annual sensitivities on adjusted EBITDA if +10% in price NOK million



Revenue impact

- Realized price lags LME spot by ~1-2 months
- Realized premium lags market premium by ~2-3 months

Cost impact

Alumina

- ~1.9 tonnes per tonne aluminium
- ~ 2-3 months lag
- Mainly priced on Platts index

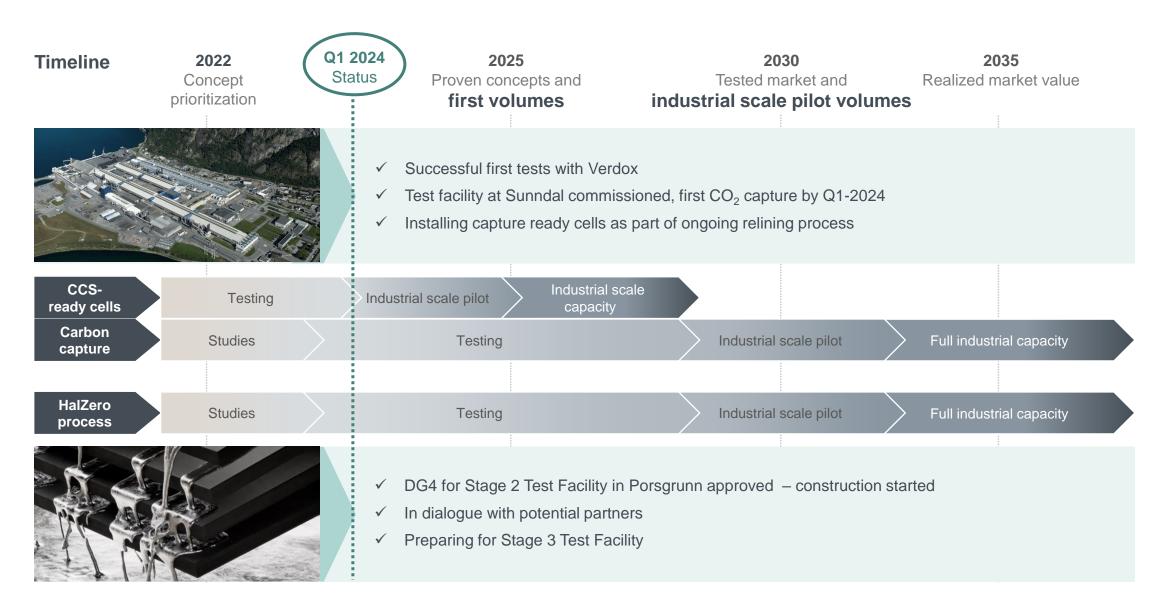
Carbon

- ~0.40 tonnes petroleum coke per tonne aluminium, Pace Jacobs Consultancy, 2-3 year volume contracts, quarterly or half yearly pricing
- ~0.08 tonnes pitch per tonne aluminium, CRU, 2-3 year volume contracts, quarterly pricing

Power

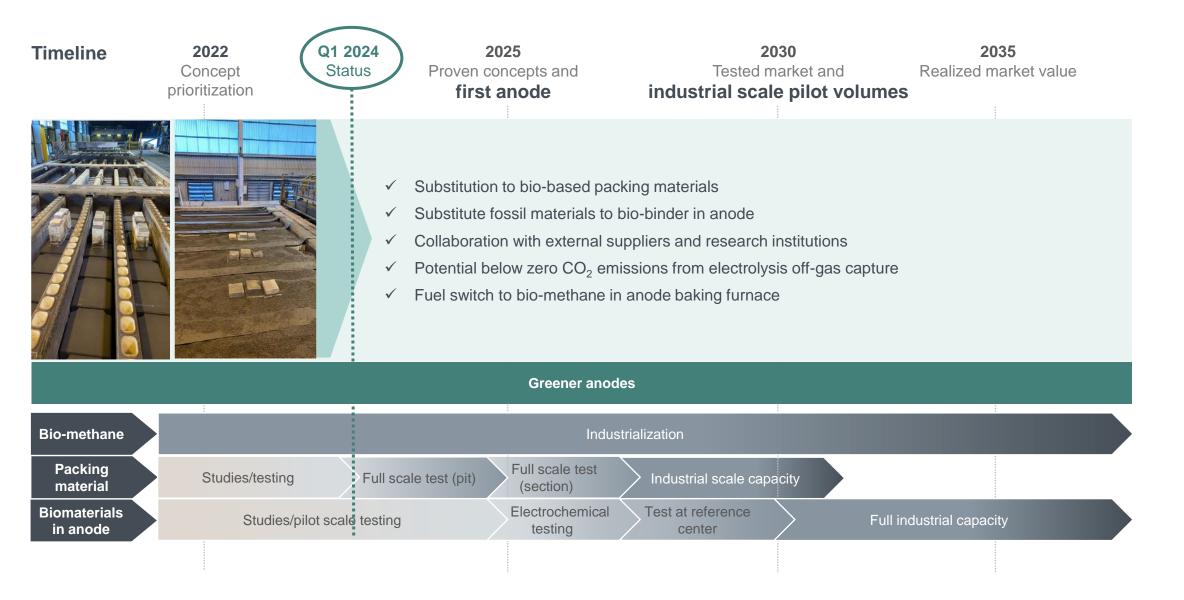
- 14.0 MWh per tonne aluminium
- Long-term power contracts with indexations

Preparing for first CO₂ capture and HalZero testing at scale



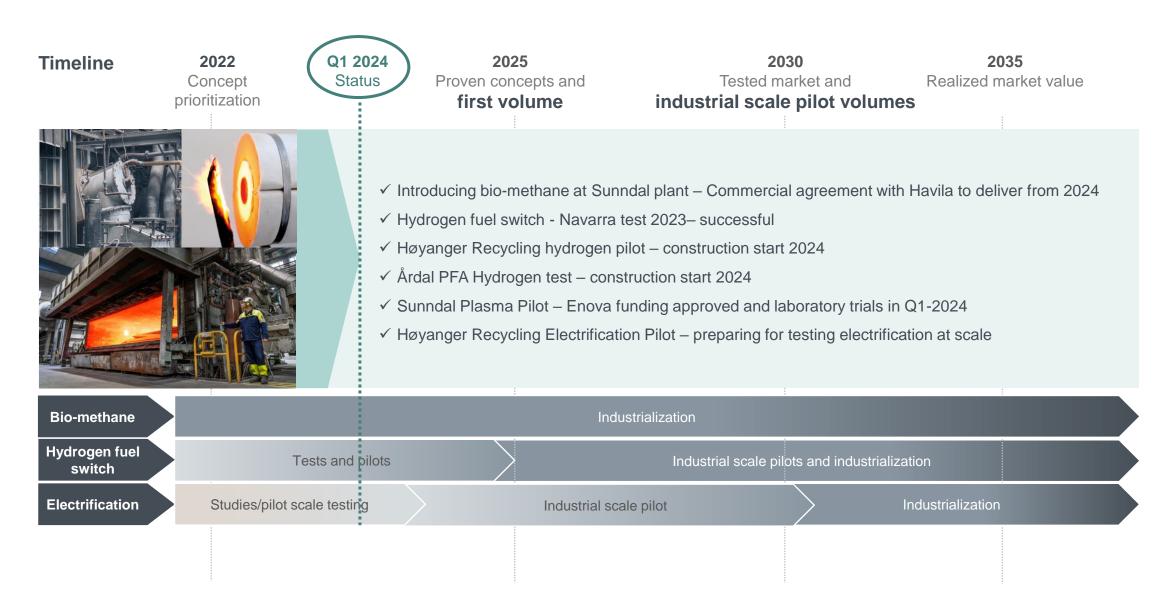
Hvdro

Biomaterials to reach zero and below



Hydro

Bio-methane, hydrogen and direct electrification

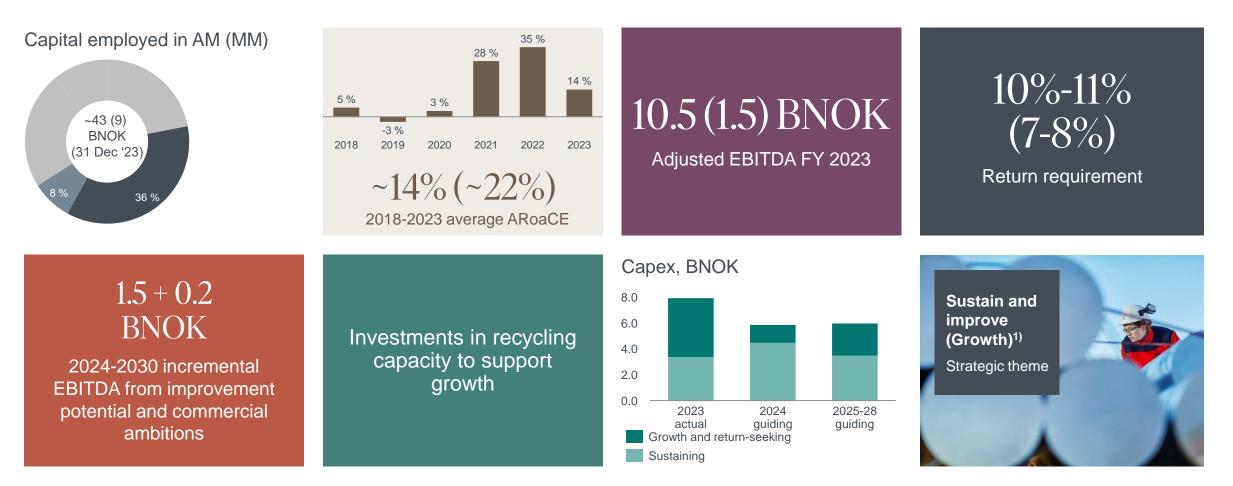


Hvdro

Capital return dashboard for Aluminium Metal & Metal Markets



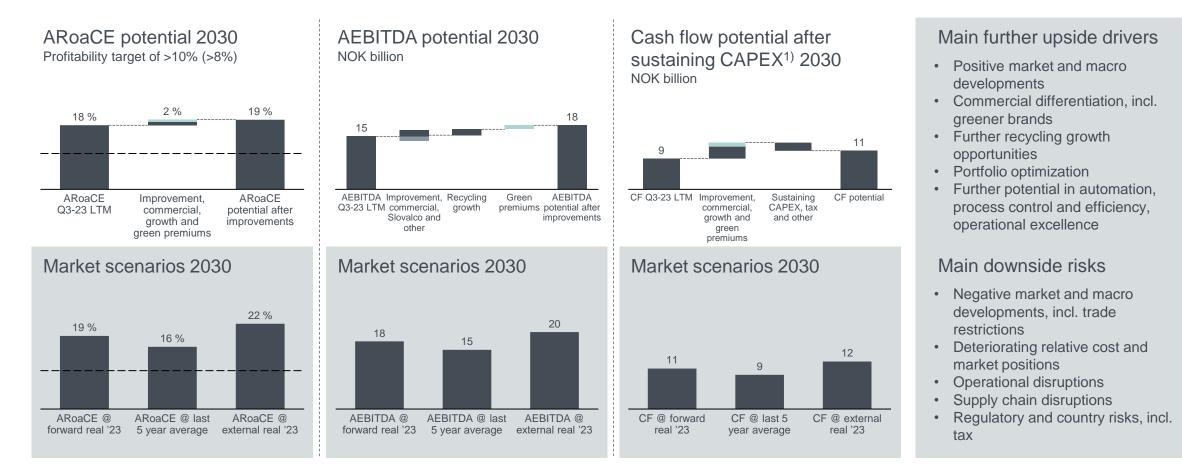
Investments in recycling capacity to support growth



Aluminium Metal and Metal Markets profitability growth roadmap



Main drivers - improvement efforts, commercial differentiation and market development



1) Cash flow calculated as EBITDA + tax + long-term sustaining CAPEX

Assumptions and sources behind the scenarios can be found in Additional information

Sources: External scenario is based on CRU price and premium assumptions and S&P Global FX assumptions, with adjustments as specified in the footnotes



Metal Markets

Strong position in value-added casthouse products



- Capitalizing on value-added casthouse
 products portfolio
- Extensive multi-sourcing system including fully and part-owned primary casthouses and stand-alone remelters
- Flexible sourcing system enabling rapid and cost effective volume adjustments
- Value creation from margin management based on commercial expertise and risk management competence
- Strong market positions in Europe, the U.S. and Asia





Pricing of value-added products



	Smelter	Intermediate product	Casthouse						
	Aluminium	Standard ingot	Value added products						
			Image: struston ingot Image: struston ingot Image: struston ingot Image: struston ingot Image: struston ingot Image: struston ingot						
SN	Traded on LME	• U.S. Midwest - 1020 (in cent per pound)	 Extrusion Ingot – Priced above standard ingot Foundry Alloy – Priced above standard ingot Sheet ingot – Priced above standard ingot Wire rod - Priced above standard ingot 						
Europe	Traded on LME	Duty paid IW RotterdamDuty unpaid IW Rotterdam	 Extrusion ingot – Priced above LME Foundry Alloy – Priced partly above standard ingot and partly above LME Sheet ingot – Priced above standard ingot Wire rod - Priced partly above standard ingot and partly above LME 						
Asia	Traded on LME & SHFE	 CIF Japan Premium (MJP) Singapore In Warehouse CIF South Korea 	 Extrusion ingot – Priced partly above standard ingot and partly above LME Foundry Alloy – Priced partly above standard ingot and partly above LME Sheet ingot – Priced partly above standard ingot and partly above LME 						

Metal Markets earnings drivers



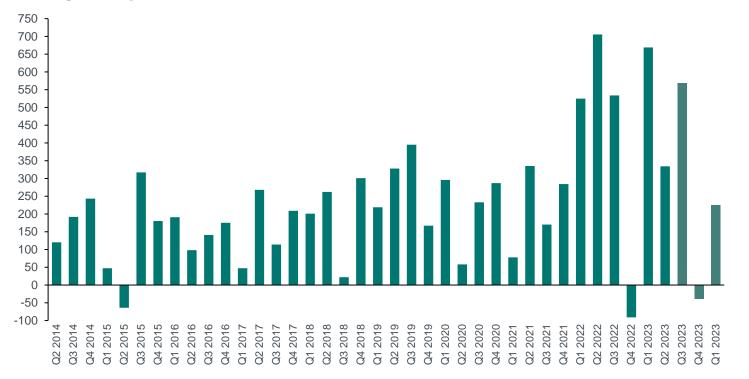
Recyclers

- Revenue impact volume, LME and product premiums
- Cost impact
 - Scrap and standard ingot premiums above LME
 - Raw material mix
 - Freight cost proximity to market
 - Energy consumption and prices

• Other main businesses

- Physical ingot and LME trading
- Third-party casthouse products
- Results influenced by currency fluctuations and inventory valuation effects
- Adjusted EBITDA for Commercial excl. currency and inventory valuation effects for 2024 expected in the range of 250MNOK to 400MNOK

Adjusted EBITDA excluding currency effects and inventory valuation effect, NOK million¹⁾



1) Amounts are as disclosed for the individual years reflecting the accounting policies applied for those years and Hydro's definition of APMs applied for the relevant years.

2025 recycling targets achieved with 2023 year-end installed capacity

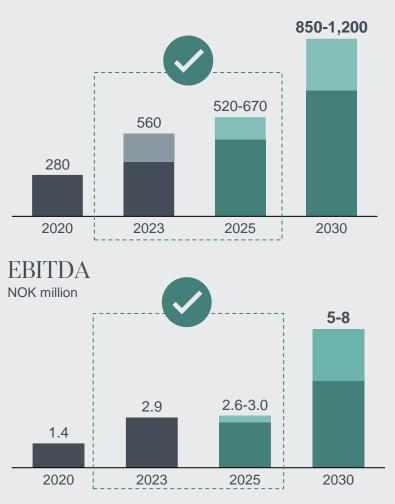
Recent recycling projects with production and post-consumer scrap capacity Tonnes ('000)



Recycling targets 2030¹⁾

Post Consumer Scrap

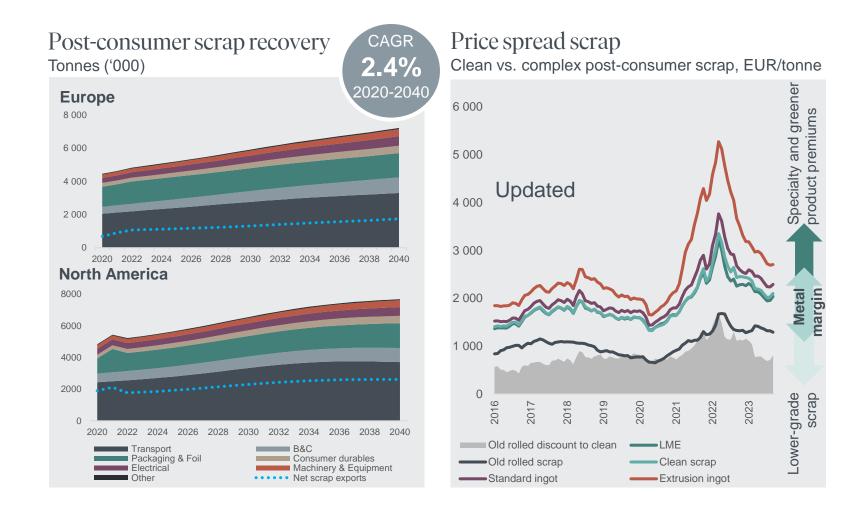
Consumption and targeted capacity usage, tonnes ('000)



Post-consumer scrap generation is increasing

)))) Hydro

But multiple hurdles exist for its utilization



Key trends in aluminium recycling

- Growth in recycling and billet capacity pressuring margins on "clean" scrap feedstock
- Large export volumes from Europe and North America to Asia
- Regulatory changes and protectionism
 measures affecting future scrap market
- Increasing generation and more interest in lower-grade scrap, but multiple challenges:
 - o Supply chain complexity
 - Contamination
 - \circ Collection
 - Sorting limitations
 - o Logistics

Mixed scrap types require sorting capabilities and ability to convert to various products



Securing access to the right scrap – key success factor



Megatrends support recycling agenda

Increasing focus on circular economy from both consumers and regulators

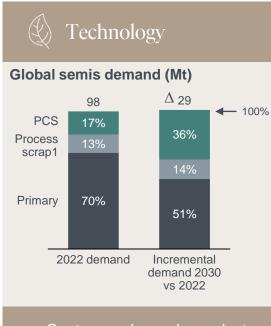


- Process design closed loops
- Product design lower material use
- Reuse and refurbish (second life)

Waste to value



- Reduce waste generation
- Reuse and upcycle waste streams to products



- Capture and recycle products at end-of-life
- Improve scrap sorting
- Increase recycling efficiency
- Technology advancement



- End-of-life Directive
- EU waste shipment regulation
- Critical raw materials act
- CO₂-regulations •

Hydro

Diversifying and high-grading recycling product portfolio across markets and geographies



Successfully completed organic and inorganic projects in 2023 include:



Introducing Hydro CIRCAL, increasing El market share in the U.S.

- 40kt of PCS per year enabling delivery of similar volumes of Hydro CIRCAL[®] to the North American market
- Lowest carbon extrusion ingot offering in North America



State-of-the art HyForge line in Rackwitz, Germany

Diversifying portfolio and growing high-margin HyForge capacity

- Ramping-up the HyForge line in Rackwitz Germany
- Forging stock geared towards the automotive industry



Entering the recycled FA market with Alumetal acquisition

- Advanced sorting capabilities and capacity
- Opportunity to utilize more scrap grades Identified synergies of **10-15 MEUR by 2027**



Securing access to scrap, industrializing HySort technology in the U.S.

- Invested 4MUSD in a 50:50 JV with scrap-yard operator Padnos in MI, U.S.
- Installing HySort equipment; total capacity ~36 kt p.a.
- Supplying Cassopolis with suitable fractions; marketing the rest externally

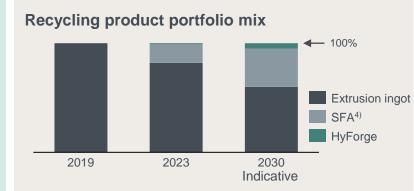
Hydro has a proven track record developing recycling capabilities



Increasing use of PCS and sorting capacity¹⁾

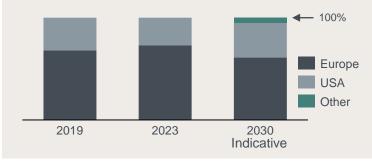
+40% PCS use 2019 to 2023





Recycling production by region

+100 kt Sorting capacity 2019 to 2023



Expanding specialty and greener product offerings³⁾





Lifting profitability through the cycle

2008

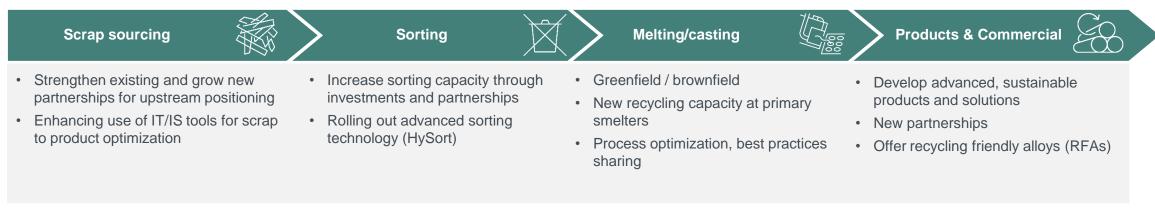


2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023E

Stepping up activities across the recycling value chain

)))) Hydro

Continuing to transform scrap into sustainable solutions for our customers



Selected projects in the pipeline adressing key market trends



SFA products for **automotive** e.g. gigacastings, electrical engine housing



Specialty casthouse equiped to produce advanced products also for automotive; large CIRCAL capacity



Introducing HyForge for **automotive applications** in the US

Recycling 2030 ambitions:



850-1,200 kmt PCS capacity



NOK **5-8** billion EBITDA potential



Hydro with competitive advantages in recycling



Full value chain with multiple product outlets

- Large recycling asset base in Europe and North America
- Broad range of products extrusion ingot, sheet ingot, foundry alloys, HyForge, Master alloys
- Ability to utilize and upcycle mixed scrap



Sorting & production technology

- Technical and metallurgical competence
- Production optimization know-how from scrap to product
- Patented HySort technology, in-house R&D

Close customer & supplier relations

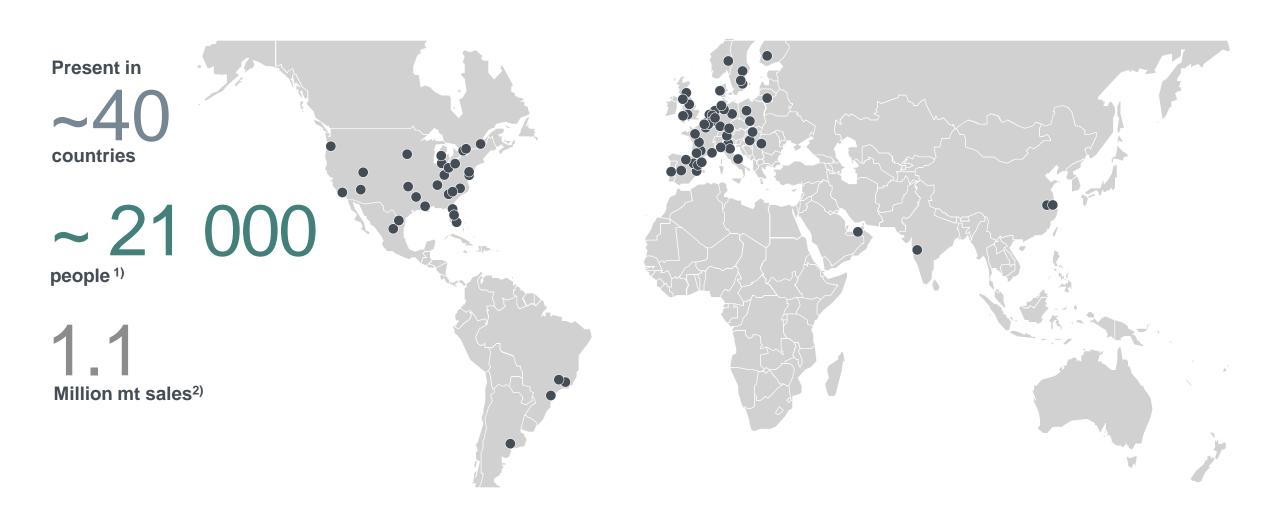
- · Local presence and market insight in core locations
- · Established relationships with scrap suppliers
- · Partnerships and close cooperation with customers
- Commercial intelligence and strong value chain positioning

Hydro

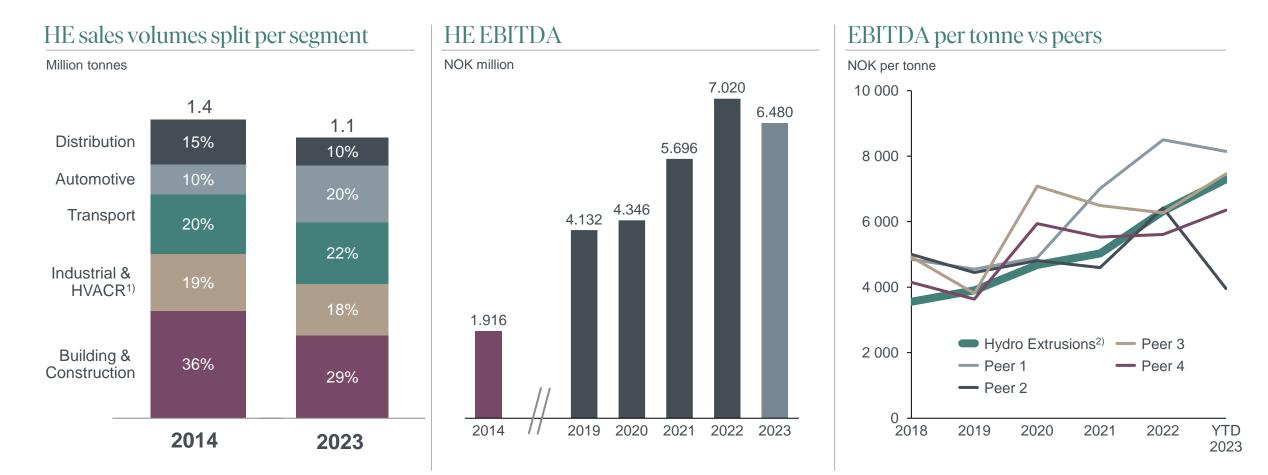


Extrusions

Extrusions – #1 in the global aluminium extrusion industry \mathbb{J}_{Hydro}



Hydro Extrusions delivering strong EBITDA uplift through Hvdro targeting high-growth, advanced segments

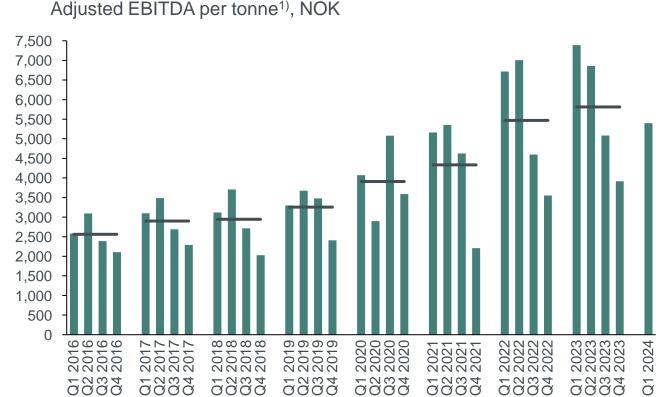


1) Heat, ventilation, air conditioners & refrigerators

2) HE EBITDA adjusted for capitalization of dies to make comparable to peers

Extrusions earnings drivers





- Contract structure •
 - Margin business based on conversion price
 - LME element passed on to customers
 - Mostly short-term contract, typically ranging from spot to 12 months, few longer term contracts with floating price or hedging in place
- High share of variable costs high level of flexibility •
- Annual seasonality driven by maintenance and customer activity
 - Stronger Q1 and Q2, weaker Q3 and Q4
- Strong focus on increasing value add to customers •
- Preferred supplier market position in high-end products

Industry trends towards 2030 are favorable for Hydro Extrusions, driven by customer needs and segment growth



Opportunity to leverage Hydro Extrusions' strengths increases as target segments develop

Customer needs



- As industries and applications mature, customers demand more developed solutions
- Value added offerings
- New, R&D driven solutions
- Customers will partner with suppliers providing new and advanced solutions, e.g., low-carbon, high R/C content, sustainably produced solutions

Segment growth



- More growth expected in value added product and solutions area rather than "commodities"
- Attractive segments with 5-10% annual growth
- Key growth segments include Automotive / Emobility and solar / Renewables / Big & Wide Rail

HE capabilities



- Strong innovative capacity to provide highquality advanced solutions
- Developed R&D position that can be further enhanced
- · Head start vs competition in sustainability area
- Size, geographical coverage and advanced capabilities to be relevant in differentiated segments

Hydro Extrusions will leverage opportunities from greener transition to strengthen market positions

2022-30:

2022-30:

).6



Secular growth drivers in key segments



HE positioning and growth ambitions

- Strong global positions, long term relationships with major automotive OEMs
- Proven capabilities, innovation and sustainability as key competitive levers
- Increase share of direct OEM supply and long-term contracts
- Investment projects under execution globally
- HE with strong value offering, including surface treatment and low-carbon aluminium solutions
- Solar mounting systems fit well on existing 7-9 inch presses
- Projects in pipeline to increase capacity

- HVAC&R customers with production in North America and China
- Customer projects with proven solutions for replacing copper with aluminium
- Grow capacity and increase customer solutions

Critical growth projects under execution, maturing projects to enable profitable growth



Project capacity growth since 2021

Further strengthening flagship plants in the portfolio, leveraging key trends

Key trends

- Sustainable products with low-carbon footprint
- Recyclability and keeping materials "in the loop"
 - Greener energy sourcing

E-mobility

vehicles

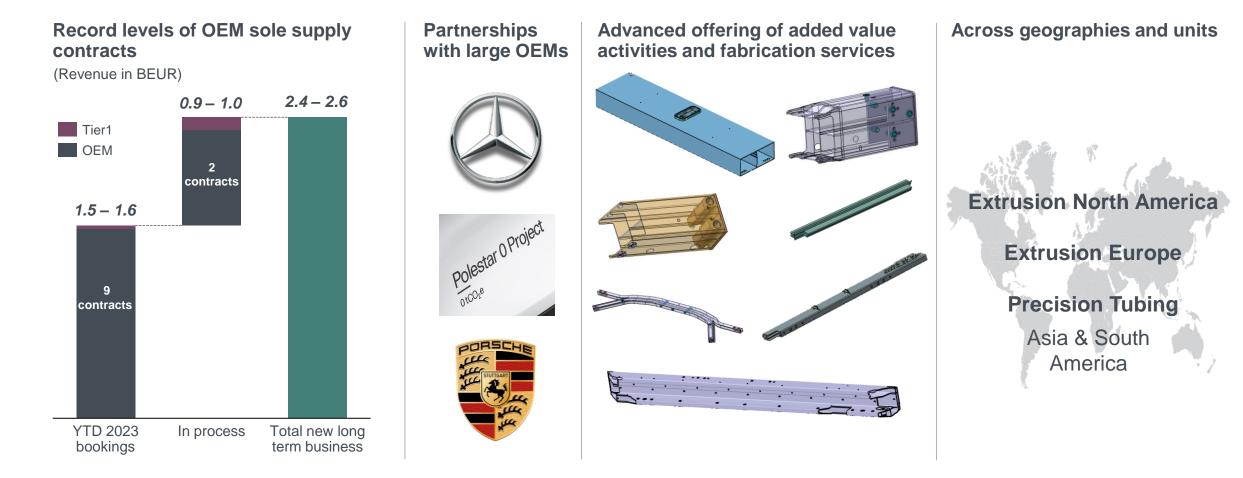
advantage

Project under execution



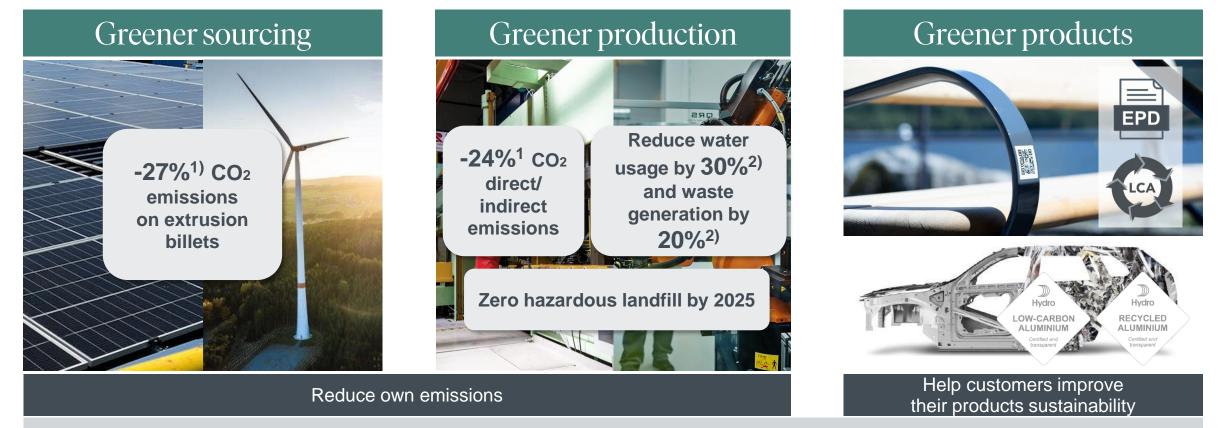
Significant automotive growth business last quarters





Reducing own emissions and helping customers improve their products' sustainability towards 2030





Confirm and improve with labels and certifications

Reducing own emissions and helping customers improve their products' sustainability towards 2030



Greener sourcing

Greener Sweden Pilot project towards net-zero



Renewables in the U.S. Spanish Fork plant fully solar powered



Greener production

PV-powered press Solar powered press in Poland



Hydrogen-fueled recycling World's first batch produced in Spain



Greener products

Shaping the market First project with Hydro CIRCAL 100R



Greener partnerships Partnering with customers and others



Customers from all industries partnering with Hydro Extrusions to make greener products





VELUX®

Partnering to cut carbon emissions from its value chain in half by 2030

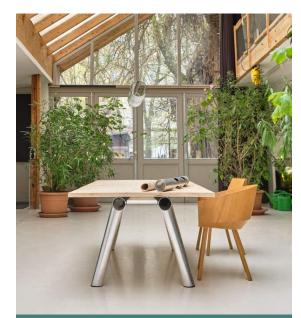


Cleanest Dirt Bike Ever project to remove emissions from production by 2025



Schweizer

Solar panel systems made from low-carbon aluminium extrusions



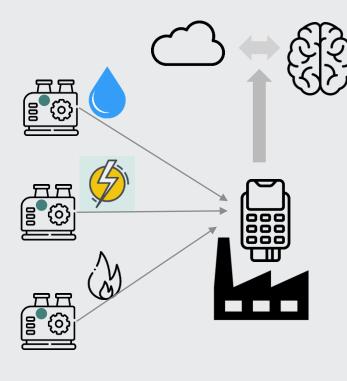
HAY

Light and flat-packed BOA conference tables made with Hydro CIRCAL

Digitalization, AI and automation

Key levers to improve performance and profitability

AMR = Automatic Meter Reading



Sensors

AMR = Sensors with real-time tracking of energy, water, gas consumption and vibration at machines in plants

Value contribution

- Using AI / machine learning / dash-boards to identify "irregularities"
 - Benchmark between machines and products to drive improvements & reduce waste / consumption
- Peak-shaving / improved production planning
- Preventive maintenance through vibration / consumption patterns
- Traceability through connected systems

Automation

- PT Taicang Fabrication reducing 95 FTEs through Automation & EBS¹ (>20% of work-force)
 - Ergonometric, quality, safety and finance
- Automatic quality controls enable delivering millions of parts without quality issues

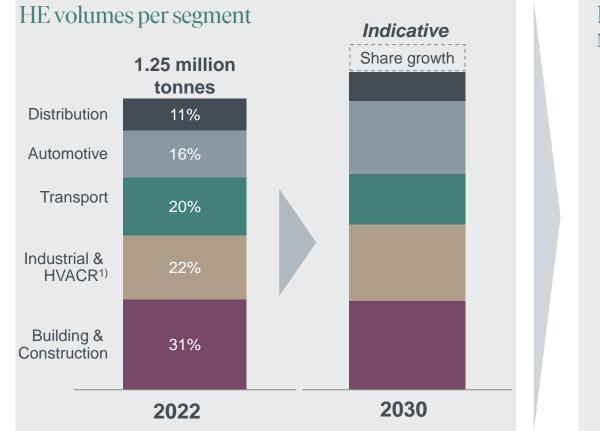




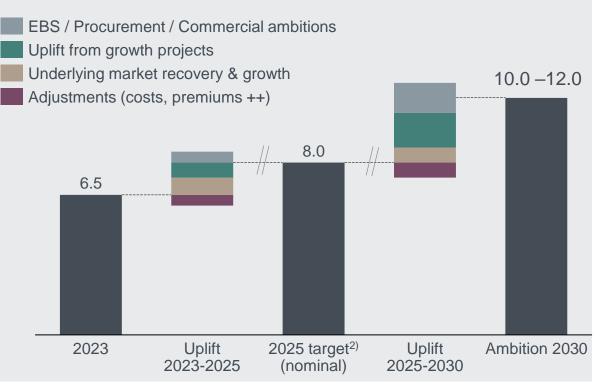
HE increasing profitability towards 2030 through uplift from growth projects and underlying improvements



Growing market share in dedicated segments, further operational and commercial improvements



HE EBITDA ambitions NOK billion (real 2023)



1) Heat, ventilation, air conditioners & refrigerators

2) Target of 8 BNOK in 2025 in nominal terms as communicated in 2021. Range target 2030 in real terms



Hydro Extrusions 2030 strategic direction



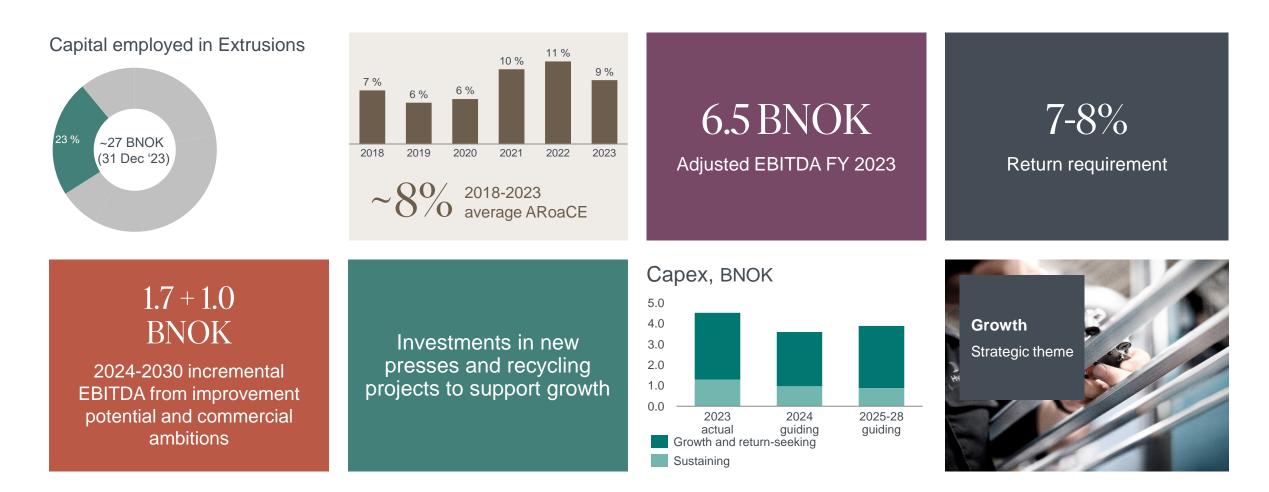


- ÇŶ Ţ
- Increased **digitalization** throughout value-chain
- Standardization will generate value through the value-chain from understanding profit to driving procurement and reducing energy consumption

Capital return dashboard for Extrusions



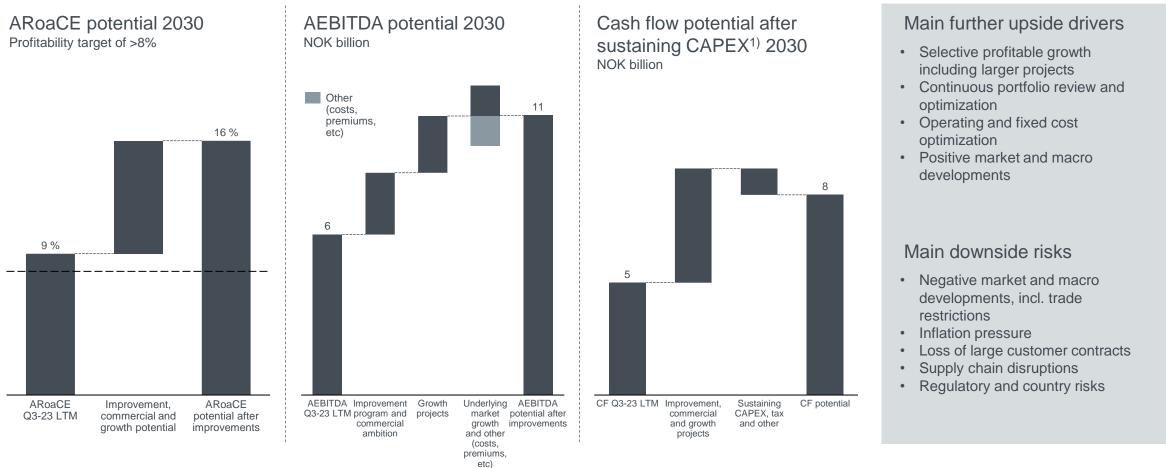
Returns in line with the cost of capital reflecting leading market positions in high value segments and portfolio optimization



Extrusions profitability growth roadmap

)))) Hydro

Main drivers – improvement program and commercial ambition



1) Cash flow calculated as EBITDA + tax + long-term sustaining CAPEX Assumptions and sources behind the scenarios can be found in Additional information

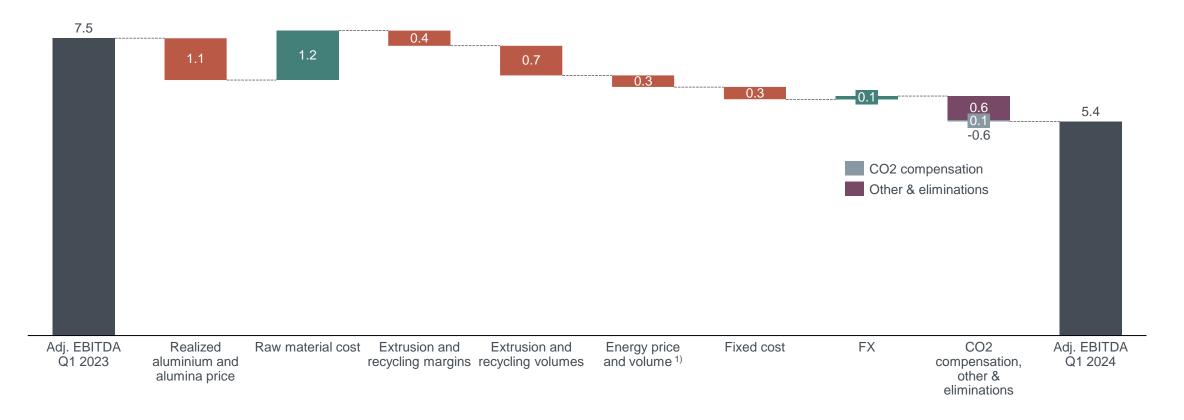


Additional information

Adj. EBITDA down on lower prices and Extrusion results, partly offset by lower raw material cost



Q1 2024 vs Q1 2023



Income statements

NOK million						Firs	st quarter 2024	Fourth quarter 2023	First	quarter 2023	Year 2023
Revenue Share of the profit (loss) in equity accounted investments Other income, net							47 545 46 1 000	46 754 46 1 272		48 534 95 1 357	193 619 492 4 152
Total revenue and income							48 591	48 072		49 986	198 263
Raw material and energy expense Employee benefit expense Depreciation and amortization expense Impairment of non-current assets Other expenses							30 025 6 748 2 472 - 6 280	29 633 6 673 2 539 4 424 7 061		31 295 6 416 2 189 (3) 5 856	123 538 25 931 9 394 4 421 25 387
Earnings before financial items and tax (EBIT)							3 066	(2 256)		4 233	9 592
Interest and other finance income Foreign currency exchange gain (loss) Interest and other finance expense							463 (1 633) (748)	257 152 (668)		344 (1 985) (571)	1 302 (2 084) (2 264)
Income (loss) before tax Income taxes							1 148 (720)	(2 516) (256)		2 021 (877)	6 546 (3 742)
Net income (loss)							428	(2 771)		1 144	2 804
Net income (loss) attributable to non-controlling interests Net income (loss) attributable to Hydro shareholders							(513) 941	(235) (2 537)		(121) 1 265	(778) 3 583
Earnings per share attributable to Hydro shareholders							0.47	(1.26)		0.62	1.77
NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Net income (loss)	6 411	11 136	6 676	194	1 144	5 056	(625)	(2 771)	428	24 417	2 804
Adjusted net income (loss)	6 785	7 731	6 258	2 371	3 326	3 410	345	754	1 498	23 145	7 835
Earnings per share	2.80	5.49	3.34	0.12	0.62	2.56	(0.18)	(1.26)	0.47	11.76	1.77
Adjusted earnings per share	3.17	3.63	2.91	0.99	1.70	1.77	0.27	0.50	0.93	10.70	4.26

Balance sheet



NOK million	March 31 2024	December 31 2023	September 30 2023	June 30 2023	March 31 2023	December 31 2022	September 30 2022	June 30 2022
Cash and cash equivalents	19 622	24 618	19 105	22 453	30 873	29 805	25 852	24 507
Short-term investments	4 968	2 641	2 101	1 158	2 696	4 173	2 511	1 882
Trade and other receivables	28 969	25 404	26 387	27 561	28 350	23 988	28 442	29 164
Inventories	25 291	25 449	27 648	28 808	30 216	30 035	31 394	29 415
Other current financial assets	1 350	1 900	1 726	2 722	1 302	1 127	4 887	6 543
Assets held for sale	4 131	3 685	-	-	-	-	-	-
Property, plant and equipment	77 334	74 981	74 367	72 985	67 827	62 656	62 369	58 920
Intangible assets	8 741	8 447	10 823	10 215	9 839	9 280	9 810	9 374
Investments accounted for using the equity method	22 512	21 228	24 633	24 277	22 566	21 222	22 613	20 055
Prepaid pension	9 670	8 664	9 335	9 981	9 040	8 573	9 352	9 814
Other non-current assets	10 545	9 444	9 135	8 346	8 684	7 759	9 598	8 400
Total assets	213 133	206 462	205 260	208 506	211 395	198 618	206 829	198 074
Bank loans and other interest-bearing short-term debt	8 169	7 111	5 764	5 271	5 899	6 746	11 085	7 796
Trade and other payables	28 541	26 232	24 860	25 529	25 702	24 374	26 703	29 156
Other current liabilities	8 058	10 549	11 093	9 593	10 741	11 688	11 653	10 724
Liabilities in disposal group	129	141	-	-	-	-	-	-
Long-term debt	30 996	28 978	29 944	29 756	29 615	26 029	20 790	21 054
Provisions	5 987	5 867	5 897	6 243	5 692	5 289	5 779	5 539
Pension liabilities	9 071	9 222	8 475	8 388	8 669	8 252	8 064	7 882
Deferred tax liabilities	5 079	4 717	6 153	6 197	5 289	4 796	5 178	5 304
Other non-current liabilities	7 353	6 462	5 325	5 687	5 429	3 648	4 481	5 585
Equity attributable to Hydro shareholders	105 502	100 579	103 062	106 873	108 582	102 455	107 129	99 347
Non-controlling interests	6 247	6 604	4 686	4 968	5 777	5 343	5 967	5 688
Total liabilities and equity	213 133	206 462	205 260	208 506	211 395	196 618	206 829	198 074

Adjusting items to EBITDA, EBIT and net income



NOK million (+=loss/()=gain)		Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2023
Unrealized derivative effects on LME related contracts	Hydro Bauxite & Alumina	-	-	-	-	3	-
Unrealized derivative effects on raw material contracts	Hydro Bauxite & Alumina	177	94	(41)	182	(41)	412
Community contributions Brazil	Hydro Bauxite & Alumina	-	25	-	-	-	25
Total impact	Hydro Bauxite & Alumina	177	118	(41)	182	(38)	437
Unrealized derivative effects on power contracts	Hydro Energy	214	184	41	(37)	61	401
Net foreign exchange (gain)/loss	Hydro Energy	(3)	(7)	(5)	(6)	(5)	(20)
Other effects	Hydro Energy	-	-	-	164	-	164
Total impact	Hydro Energy	211	177	36	120	56	544
Unrealized derivative effects on LME related contracts	Hydro Aluminium Metal	709	(2 836)	1 414	(954)	39	(1 667)
Unrealized derivative effects on power contracts	Hydro Aluminium Metal	62	(106)	113	33	(31)	103
Net foreign exchange (gain)/loss	Hydro Aluminium Metal	(37)	(114)	(79)	(89)	(78)	(320)
Total impact	Hydro Aluminium Metal	733	(3 055)	1 448	(1 010)	(69)	(1 884)
Unrealized derivative effects on LME related contracts	Hydro Metal Markets	34	(146)	448	(121)	2	215
Transaction related effects	Hydro Metal Markets	50	4	35	31	-	120
Total impact	Hydro Metal Markets	84	(142)	483	(90)	2	335
Unrealized derivative effects on LME related contracts	Hydro Extrusions	(19)	6	113	(134)	(9)	(34)
Unrealized derivative effects on power contracts	Hydro Extrusions	5	(24)	(2)	(6)	(13)	(28)
Significant rationalization charges and closure costs	Hydro Extrusions	51	27	17	171	32	265
(Gains)/losses on divestments and other transaction related effects	Hydro Extrusions	20	-	1	4	(9)	25
Other effects	Hydro Extrusions	-	(107)	-	-	-	(107)
Total impact	Hydro Extrusions	57	(98)	128	35	1	121
Unrealized derivative effects on LME related contracts	Other and eliminations	(15)	(35)	25	(18)	15	(43)
(Gains)/losses on divestments	Other and eliminations	-	-	(25)	-	(14)	(25)
Net foreign exchange (gain)/loss	Other and eliminations	(115)	(143)	(130)	(155)	(52)	(543)
Other effects	Other and eliminations	-	26	-	-	-	26
Total impact	Other and eliminations	(131)	(151)	(130)	(174)	(52)	(585)
Adjusting items to EBITDA	Hydro	1 132	(3 152)	1 923	(936)	(100)	(1 033)
Impairment charges	Hydro Bauxite & Alumina	-	-	-	3 773	-	3 773
Impairment charges	Hydro Aluminium Metal	-	-	-	628	-	628
Impairment charges	Hydro Extrusions	-	-	-	23	-	23
Adjusting items to EBIT	Hydro	1 132	(3 152)	1 923	3 487	(100)	3 391
Net foreign exchange (gain)/loss	Hydro	1 985	789	(538)	(152)	1 633	2 084
Adjusting items to income (loss) before tax	Hydro	3 117	(2 362)	1 385	3 336	1 533	5 475
Calculated income tax effect	Hydro	(935)	716	(416)	190	(463)	(445)
Adjusting items to net income (loss)	Hydro	2 182	(1 646)	970	3 525	1 070	5 031

4 765

525

35

2 331

11 165

6 977

705

2 365

(395)

11 594

6 463

534

1 385

384

9 721



Adjusted EBIT

Hydro Aluminium Metal

Other and Eliminations

Hydro Metal Markets

Hydro Extrusions

Total

NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Bauxite & Alumina	718	484	10	(586)	(221)	88	(610)	(269)	43	626	(1 013)
Hydro Energy	2 192	777	275	1 493	677	805	712	755	1 103	4 737	2 950
Hydro Aluminium Metal	4 183	6 349	5 837	4 097	3 328	2 550	727	1 264	1 306	20 467	7 869
Hydro Metal Markets	487	666	494	(134)	628	290	482	(229)	68	1 514	1 170
Hydro Extrusions	1 587	1 600	640	168	1 485	1 228	548	90	690	3 995	3 351
Other and Eliminations	3	(425)	356	(93)	(532)	(173)	(259)	(380)	(244)	(159)	(1 343)
Total	9 170	9 452	7 611	4 946	5 364	4 788	1 600	1 231	2 966	31 179	12 983
Adjusted EBITDA											
NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Bauxite & Alumina	1 270	1 117	633	101	437	817	93	481	804	3 122	1 828
Hydro Energy	2 239	824	321	1 542	726	854	762	805	1 152	4 926	3 146

4 756

(91)

939

(63)

7 184

3 972

669

2 2 2 3

(501)

7 525

3 215

2 013

(134)

7 098

334

1 379

568

1 322

(225)

3 899

1 937

(38)

923

(370)

3 7 3 7

1 965

1 437

(216)

5 411

269

10 502

1 533

6 480

(1 231)

22 258

196

22 963

1 673

7 020

(39)

39 664



EBIT

NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Bauxite & Alumina	1 094	657	(147)	(1 133)	(399)	(30)	(570)	(4 223)	81	471	(5 222)
Hydro Energy	2 424	793	526	878	466	628	677	634	1 047	4 621	2 406
Hydro Aluminium Metal	254	11 777	6 061	2 200	2 595	5 605	(721)	1 646	1 376	20 292	9 125
Hydro Metal Markets	297	1 516	300	(492)	544	432	(1)	(139)	65	1 621	835
Hydro Extrusions	2 114	1 059	510	16	1 427	1 326	420	33	689	3 699	3 206
Other and Eliminations	39	(385)	420	(63)	(402)	(21)	(128)	(206)	(192)	11	(758)
Total	6 222	15 418	7 670	1 405	4 233	7 939	(323)	(2 256)	3 066	30 715	9 592

EBITDA

NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Bauxite & Alumina	1 647	1 290	477	(446)	260	698	134	300	842	2 967	1 392
Hydro Energy	2 471	840	572	926	515	677	726	684	1 096	4 810	2 602
Hydro Aluminium Metal	836	12 405	6 736	2 888	3 239	6 270	(69)	2 946	2 035	22 866	12 386
Hydro Metal Markets	335	1 556	339	(449)	586	476	85	51	267	1 780	1 198
Hydro Extrusions	2 858	1 824	1 255	1 045	2 165	2 111	1 194	888	1 436	6 982	6 359
Other and Eliminations	71	(354)	449	(34)	(371)	17	(95)	(197)	(164)	132	(645)
Total	8 217	17 561	9 828	3 930	6 393	10 249	1 975	4 673	5 511	39 536	23 291



Total revenue

NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Bauxite & Alumina	7 901	9 413	8 652	7 986	8 320	8 830	8 423	9 948	10 200	33 951	35 521
Hydro Energy	4 268	2 456	2 854	3 037	3 452	2 162	3 299	2 644	2 882	12 614	11 557
Hydro Aluminium Metal	11 094	24 583	16 678	13 129	15 236	18 211	11 366	13 562	13 170	65 483	58 375
Hydro Metal Markets	22 674	27 698	22 374	18 222	20 873	22 483	19 329	18 629	18 677	90 968	81 314
Hydro Extrusions	23 468	25 269	22 620	19 819	22 717	22 608	19 142	18 178	19 306	91 176	82 645
Other and Eliminations	(22 788)	(24 626)	(20 733)	(18 118)	(22 065)	(20 664)	(16 856)	(16 208)	(16 690)	(86 264)	(75 794)
Total	46 616	64 793	52 445	44 075	48 534	53 630	44 702	46 754	47 545	207 929	193 619
External revenue	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
	Q1 2022 5 052	Q2 2022 5 864	Q3 2022 5 641	Q4 2022 5 091	Q1 2023 5 289	Q2 2023 5 570	Q3 2023 5 404	Q4 2023 6 807	Q1 2024 6 963	Year 2022 21 649	Year 2023 23 069
NOK million											
NOK million Hydro Bauxite & Alumina	5 052	5 864	5 641	5 091	5 289	5 570	5 404	6 807	6 963	21 649	23 069
NOK million Hydro Bauxite & Alumina Hydro Energy	5 052 2 415	5 864 646	5 641 1 082	5 091 1 324	5 289 1 634	5 570 257	5 404 1 616	6 807 1 058	6 963 1 217	21 649 5 467	23 069 4 564
NOK million Hydro Bauxite & Alumina Hydro Energy Hydro Aluminium Metal	5 052 2 415 (2 518)	5 864 646 8 640	5 641 1 082 4 327	5 091 1 324 2 638	5 289 1 634 1 528	5 570 257 5 444	5 404 1 616 1 741	6 807 1 058 3 936	6 963 1 217 3 600	21 649 5 467 13 087	23 069 4 564 12 649
NOK million Hydro Bauxite & Alumina Hydro Energy Hydro Aluminium Metal Hydro Metal Markets	5 052 2 415 (2 518) 18 472	5 864 646 8 640 24 420	5 641 1 082 4 327 18 796	5 091 1 324 2 638 15 132	5 289 1 634 1 528 17 308	5 570 257 5 444 19 837	5 404 1 616 1 741 16 716	6 807 1 058 3 936 16 829	6 963 1 217 3 600 16 500	21 649 5 467 13 087 76 821	23 069 4 564 12 649 70 690



Internal revenue

NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Bauxite & Alumina	2 848	3 549	3 011	2 895	3 031	3 260	3 019	3 141	3 238	12 303	12 542
Hydro Energy	1 853	1 810	1 772	1 713	1 818	1 905	1 683	1 586	1 665	7 148	6 993
Hydro Aluminium Metal	13 611	15 943	12 352	10 491	13 709	12 767	9 624	9 626	9 570	52 396	45 726
Hydro Metal Markets	4 201	3 277	3 578	3 091	3 565	2 647	2 612	1 801	2 177	14 147	10 625
Hydro Extrusions	269	41	36	(62)	(48)	81	(80)	56	44	284	10
Other and Eliminations	(22 783)	(24 620)	(20 748)	(18 126)	(22 075)	(20 660)	(16 860)	(16 211)	(16 694)	(86 278)	(75 806)
Total	-	-	-	-	-	-	-	-	-	-	-

Share of profit /(loss) in equity accounted investments

NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Bauxite & Alumina	-	-	-	-	-	-	-	-	-	-	-
Hydro Energy	(28)	(39)	(32)	(81)	(67)	(59)	(57)	(110)	(106)	(180)	(293)
Hydro Aluminium Metal	383	626	340	200	154	264	179	135	126	1 549	733
Hydro Metal Markets	-	-	-	-	-	-	-	-	-	-	-
Hydro Extrusions	-	-	-	-	-	1	1	3	-	-	5
Other and Eliminations	22	(184)	118	12	8	(25)	47	17	25	(32)	47
Total	377	403	426	131	95	181	171	46	46	1 337	492

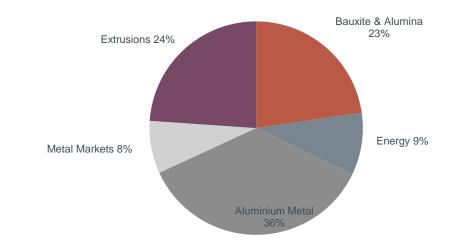


Return on average capital employed ¹⁾ (RoaCE)

		Reported RoaCE							Adjusted RoaCE						
	2023	2022	2021	2020	2019	2018	2017	2023	2022	2021	2020	2019	2018	2017	
Hydro Bauxite & Alumina	(12.7%)	1.3%	11.9%	5.4%	1.9%	4.6%	8.5%	(2.5%)	1.8%	12.0%	5.9%	2.5%	6.0%	8.5%	
Hydro Energy 2)	10.4%	28.8%	26.5%	249.5%	13.4%	18.8%	17.5%	13.0%	29.5%	25.4%	8.7%	12.9%	18.8%	17.5%	
Hydro Aluminium Metal	16.0%	35.1%	21.6%	1.9%	(3.9%)	5.6%	11.8%	13.8%	35.4%	28.3%	2.9%	(2.6%)	4.7%	12.6%	
Hydro Metal Markets	7.6%	33.2%	24.0%	22.8%	20.7%	25.1%	18.6%	10.7%	31.0%	23.9%	21.6%	27.3%	19.4%	20.9%	
Hydro Extrusions 3)	8.4%	10.5%	9.4%	1.3%	3.8%	5.3%	13.4%	8.8%	11.4%	10.3%	6.2%	5.7%	7.2%	6.6%	
Hydro Group	4.1%	21.9%	16.3%	5.4%	(0.9%)	6.0%	11.2%	7.1%	22.2%	18.6%	3.7%	1.3%	6.6%	9.6%	

Capital employed – upstream focus

NOK million	March 31 2024
Hydro Bauxite & Alumina	28 780
Hydro Energy	11 958
Hydro Aluminium Metal	45 690
Hydro Metal Markets	10 103
Hydro Extrusions	30 332
Other and Eliminations	(1 221)
Total	125 642



Graph excludes BNOK (1.2) in capital employed in Other and Eliminations

1) RoaCE at business area level is calculated using 25% tax rate. For Hydro Energy, 50% tax rate is used for 2023, 40% for 2022 and 2021, 80% for 2020 and 2019, 70% for 2018, and 65% for 2017

2) Hydro Energy reported RoaCE for 2020 higher than previous years due to the Lyse transaction

3) Hydro Extrusions reflected as 50% equity accounted investment Q1-Q3 2017 and fully consolidated from Q4 2017



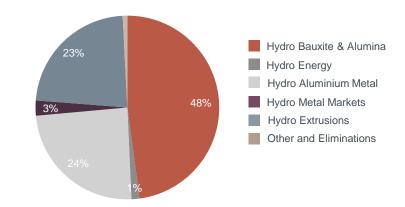
Depreciation, amortization and impairment

NOK million	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Bauxite & Alumina	553	633	624	687	659	729	703	4 523	761	2 496	6 614
Hydro Energy	47	47	47	48	48	49	49	50	49	190	196
Hydro Aluminium Metal	605	651	698	711	666	687	674	1 326	682	2 664	3 353
Hydro Metal Markets	38	39	39	44	42	45	87	194	202	161	368
Hydro Extrusions	746	767	748	1 036	741	792	779	859	750	3 297	3 171
Other and Eliminations	32	31	28	30	31	38	34	10	28	121	113
Total	2 020	2 168	2 185	2 556	2 186	2 340	2 327	6 962	2 472	8 929	13 815

Indicative depreciation currency exposure by business area

Percent	USD	EUR	BRL	NOK & Other
Hydro Bauxite & Alumina			100%	
Hydro Energy				100%
Hydro Aluminium Metal	30%		20%	50%
Hydro Metal Markets	20%	30%		50%
Hydro Extrusions	40%	35%		25%
Other and Eliminations		15%	10%	75%

Depreciation by business area 2023, 13.8 BNOK





Hydro Bauxite & Alumina	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Alumina production (kmt)	1 519	1 536	1 579	1 559	1 550	1 542	1 522	1 571	1 503	6 193	6 185
Sourced alumina (kmt)	741	758	764	593	686	553	692	909	1 080	2 856	2 840
Total alumina sales (kmt)	2 251	2 305	2 344	2 220	2 171	2 153	2 229	2 487	2 574	9 121	9 040
Realized alumina price (USD) ¹⁾	391	430	364	342	367	373	349	349	366	382	359
Implied alumina cost (USD) 2)	327	378	337	337	347	336	345	331	337	345	340
Bauxite production (kmt) 3)	2 638	2 736	2 814	2 824	2 648	2 630	2 848	2 771	2 600	11 012	10 897
Sourced bauxite (kmt) 4)	856	1 674	1 220	1 861	1 078	1 100	1 204	2 001	1 200	5 611	5 383
Adjusted EBITDA margin ⁵⁾	16.1%	11.9%	7.3%	1.3%	5.3%	9.2%	1.1%	4.8%	7.9%	9.2%	5.1%
Hydro Energy	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Power production, GWh	2 730	1 602	1 330	2 002	2 610	2 431	2 216	2 440	2 843	7 664	9 697
Net spot sales, GWh	986	(433)	(703)	511	817	333	24	101	844	361	1 275
Nordic spot electricity price, NOK/MWh	1 090	1 211	1 757	1 414	934	647	949	515	667	1 370	642
Southern Norway spot electricity price (NO2), NOK/MWh	1 504	1 752	3 519	1 719	1 182	958	664	818	736	2 128	904
Adjusted EBITDA margin ⁵⁾	52.5%	33.6%	11.2%	50.8%	21.0%	39.5%	23.1%	30.4%	40.0%	39.0%	27.2%

1) Weighted average of own production and third-party contracts, excluding hedge results. The majority of the alumina is sold linked to either the LME prices or alumina index with a one-month delay

- 2) Implied alumina cost (based on EBITDA and sales volume) replaces previous apparent alumina cash cost
- 3) Paragominas production, on wet basis

4) 40 percent MRN offtake from Vale and 5 percent Hydro share on wet basis

5) Adjusted EBITDA divided by total revenues

Operational data

Hydro	

Hydro Aluminium Metal ¹⁾	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Realized aluminium price LME, USD/mt	2 662	3 031	2 497	2 246	2 291	2 273	2 146	2 129	2 248	2 599	2 218
Realized aluminium price LME, NOK/mt ³⁾	23 542	28 461	24 706	22 813	23 566	24 417	22 456	23 143	23 609	24 739	22 995
Realized premium above LME, USD/mt ²⁾	786	870	801	577	503	456	432	348	358	756	435
Realized premium above LME, NOK/mt ²⁾³⁾	6 954	8 167	7 920	5 857	5 169	4 894	4 521	3 778	3 758	7 197	4 511
Realized NOK/USD exchange rate 3)	8.84	9.39	9.89	10.16	10.29	10.74	10.47	10.87	10.50	9.52	10.37
Implied primary cost (USD) 4)	1 550	1 500	1 550	1 650	1 700	1 725	1 750	1 775	1 825	1 550	1 750
Implied all-in primary cost (USD) 5)	2 450	2 500	2 350	2 250	2 275	2 250	2 200	2 125	2 225	2 375	2 225
Hydro Aluminium Metal production, kmt	540	532	543	522	499	506	512	514	505	2 137	2 031
Casthouse production, kmt	555	542	547	522	513	519	523	512	519	2 166	2 067
Total sales, kmt ⁶⁾	600	581	533	542	559	577	539	541	540	2 256	2 217
Adjusted EBITDA margin ⁸⁾	43.0%	28.4%	38.8%	36.2%	26.1%	17.7%	12.1%	14.3%	14.9%	35.1%	18.0%
Hydro Metal Markets	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Q1 2024	Year 2022	Year 2023
Hydro Metal Markets Remelt production (1 000 mt)	Q1 2022 151	Q2 2022 158	Q3 2022 124	Q4 2022 115	Q1 2023 132	Q2 2023 146	Q3 2023 176	Q4 2023 166	Q1 2024 179	Year 2022 548	Year 2023 620
Remelt production (1 000 mt)	151	158	124	115	132	146	176	166	179	548	620
Remelt production (1 000 mt) Third-party sales (1 000 mt)	151 72	158 74	124 76	115 81	132 78	146 81	176 92	166 81	179 75	548 304	620 331
Remelt production (1 000 mt) Third-party sales (1 000 mt) Hydro Metal Markets sales excl. ingot trading (1 000 mt) ⁷⁾	151 72 731	158 74 710	124 76 635	115 81 614	132 78 674	146 81 691	176 92 652	166 81 645	179 75 622	548 304 2 691	620 331 2 662
Remelt production (1 000 mt) Third-party sales (1 000 mt) Hydro Metal Markets sales excl. ingot trading (1 000 mt) ⁷⁾ Hereof external sales excl. ingot trading (1 000 mt)	151 72 731 610	158 74 710 607	124 76 635 536	115 81 614 530	132 78 674 566	146 81 691 590	176 92 652 567	166 81 645 567	179 75 622 540	548 304 2 691 2 284	620 331 2 662 2 290
Remelt production (1 000 mt) Third-party sales (1 000 mt) Hydro Metal Markets sales excl. ingot trading (1 000 mt) ⁷⁾ Hereof external sales excl. ingot trading (1 000 mt) External revenue (NOK million)	151 72 731 610 18 472	158 74 710 607 24 420	124 76 635 536 18 796	115 81 614 530 15 132	132 78 674 566 17 308	146 81 691 590 19 837	176 92 652 567 16 716	166 81 645 567 16 829	179 75 622 540 16 500	548 304 2 691 2 284 76 821	620 331 2 662 2 290 70 690
Remelt production (1 000 mt) Third-party sales (1 000 mt) Hydro Metal Markets sales excl. ingot trading (1 000 mt) ⁷⁾ Hereof external sales excl. ingot trading (1 000 mt) External revenue (NOK million) Hydro Extrusions	151 72 731 610 18 472 Q1 2022	158 74 710 607 24 420 Q2 2022	124 76 635 536 18 796 Q3 2022	115 81 614 530 15 132 Q4 2022	132 78 674 566 17 308 Q1 2023	146 81 691 590 19 837 Q2 2023	176 92 652 567 16 716 Q3 2023	166 81 645 567 16 829 Q4 2023	179 75 622 540 16 500 Q1 2024	548 304 2 691 2 284 76 821 Year 2022	620 331 2 662 2 290 70 690 Year 2023
Remelt production (1 000 mt) Third-party sales (1 000 mt) Hydro Metal Markets sales excl. ingot trading (1 000 mt) ⁷⁾ Hereof external sales excl. ingot trading (1 000 mt) External revenue (NOK million) Hydro Extrusions Hydro Extrusions external shipments (1 000 mt)	151 72 731 610 18 472 Q1 2022 347	158 74 710 607 24 420 Q2 2022 338	124 76 635 536 18 796 Q3 2022 301	115 81 614 530 15 132 Q4 2022 265	132 78 674 566 17 308 Q1 2023 301	146 81 691 590 19 837 Q2 2023 293	176 92 652 567 16 716 Q3 2023 260	166 81 645 567 16 829 Q4 2023 236	179 75 622 540 16 500 Q1 2024 266	548 304 2 691 2 284 76 821 Year 2022 1 251	620 331 2 662 2 290 70 690 Year 2023 1 090

1) Operating and financial information includes Hydro's proportionate share of production and sales volumes in equity accounted investments. Realized prices, premiums and exchange rates exclude equity accounted investments

2) Average realized premium above LME for casthouse sales from Hydro Aluminium Metal

3) Including strategic hedges /hedge accounting applied

4) Realized LME price minus Adjusted EBITDA margin (incl. Qatalum) per mt primary aluminium produced. Includes net earnings from primary casthouses

5) Realized all-in price minus Adjusted EBITDA margin (incl. Qatalum) per mt primary aluminium sold. Includes net earnings from primary casthouses

6) Total sales replaces previous casthouse sales due to change of definition

7) Includes external and internal sales from primary casthouse operations, remelters and third-party Metal sources

8) Adjusted EBITDA divided by total revenues

Hydro Extrusions, information by business area



Precision Tubing	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Year 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Year 2023	Q1 2024	Extrusion Europe	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Year 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Year 2023	Q1 2024
Volume (kmt)	31	28	30	28	117	31	32	31	29	124	31	Volume (kmt)	151	144	119	106	520	124	121	99	92	436	108
Operating revenues (NOKm)	2 091	2 038	2 129	2 020	8 278	2 279	2 429	2 344	2 204	9 256	2 229	Operating revenues (NOKm)	9 532	10 147	8 696	7 787	36 162	9 035	8 926	6 864	6 625	31 450	7 281
Adjusted EBITDA (NOKm)	184	95	135	50	464	152	185	259	131	727	193	Adjusted EBITDA (NOKm)	1 035	1 025	669	480	3 209	867	819	327	305	2 318	469
Adjusted EBIT (NOKm)	82	(3)	35	(51)	63	61	87	161	37	346	96	Adjusted EBIT (NOKm)	782	767	415	231	2 196	623	564	79	26	1 291	205
Building Systems	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Year 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Year 2023	Q1 2024	Extrusion North America	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Year 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Year 2023	Q1 2024
Volume (kmt)	24	24	19	18	85	19	19	17	19	75	19	Volume (kmt)	142	141	134	112	529	126	121	113	95	455	108
Operating revenues (NOKm)	2 854	3 168	2 657	2 617	11 296	3 056	3 208	2 736	2 938	11 939	2 938	Operating revenues (NOKm)	9 096	10 263	9 412	7 750	36 522	8 684	8 304	7 535	6 622	31 146	7 088
Adjusted EBITDA (NOKm)	264	287	152	171	873	261	240	170	256	927	270	Adjusted EBITDA (NOKm)	895	1 042	476	330	2 743	965	813	592	317	2 686	582
Adjusted EBIT (NOKm)	156	179	43	57	435	149	116	49	126	440	148	Adjusted EBIT (NOKm)	618	743	196	25	1 582	677	508	288	11	1 484	324
Other and eliminations	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Year 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023	Year 2023	Q1 2024												
Adjusted EBITDA (NOKm)	(47)	(83)	(47)	(91)	(268)	(22)	(44)	(26)	(86)	(178)	(77)												
Adjusted EBIT (NOKm)	(50)	(86)	(50)	(94)	(281)	(25)	(48)	(29)	(109)	(211)	(83)												

Assumptions behind scenarios in profitability roadmaps



Scenarios are not forecasts, but illustrative earnings, cash flow and return potential based on sensitivities

- Starting point AEBITDA Q3-23 LTM
- Cash flow calculated as AEBITDA less EBIT tax and long-term sustaining capex, less lease payments and interest expenses for the Hydro Group
 - Tax rates: 25% for business areas, 40% for Energy, 28% (LTM) for Hydro Group
- ARoaCE calculated as AEBIT after tax divided by average capital employed
 - Average capital employed assumed to increase with growth capex and return-seeking capex above LT sustaining CAPEX 2024-2026
- The actual earnings, cash flows and returns will be affected by other factors not included in the scenarios, including, but not limited to:
 - Production volumes, raw material prices, downstream margin developments, premiums, inflation, currency, depreciation, taxes, investments, interest expense, competitors' cost positions, and others
- External scenario is based on CRU price and premium assumptions and S&P Global FX assumptions, with adjustments as specified in the footnotes

Price and FX assumptions

Assumptions used in		2024		2030			
scenarios	Q3 2023 LTM	forward real	Forward real 2023	Last 5 year average	CRU / S&P Global real 2023		
LME, USD/mt	2,240	2,240 (deflated by 2.5%)	2,300 (deflated by 2.5%)	2,180	2,560 (deflated by 2.5%)		
Realized premium, USD/mt	490	380 ¹⁾	380 ¹⁾	430	570 ⁴⁾ (deflated by 2.5%)		
PAX, USD/mt	350	320 (deflated by 2.5%)	340 ²⁾ (deflated by 2.5%)	330	380 (deflated by 2.5%)		
Caustic soda, USD/mt	650	320 ¹⁾	320 ¹⁾	430	410 (deflated by 2.5%)		
Coal, USD/mt	150	110 (deflated by 2.5%)	100 ³⁾ (deflated by 2.5%)	130	100 ⁷⁾ (deflated by 2.5%)		
Pitch, EUR/mt	1,260	970 ¹⁾	970 ¹⁾	840	920 ⁵⁾ (deflated by 2.5%)		
Pet coke, USD/mt	610	470 ¹⁾	470 ¹⁾	450	500 ⁵⁾ (deflated by 2.5%)		
NO2, NOK/MWh Nordic system, NOK/MWh	1,150 850	770 ⁶⁾ 480 (deflated by 2.5%)	650 ⁶⁾ 400 (deflated by 2.5%)	840 620	650 ⁷⁾ 400 ⁷⁾ (deflated by 2.5%)		
USDNOK	10.41	10.68	10.38	9.28	8.15 ⁸⁾		
EURNOK	11.11	11.77	12.25	10.35	9.58 ⁸⁾		
BRLNOK	2.06	2.19	2.15	1.93	1.47 ⁸⁾		

Next event Second quarter results July 23, 2024

For more information see www.hydro.com/ir

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