



# Hydro Batteries

Morten Halleraker, Head of Batteries

Pareto Securities' 25th annual Power & Renewable Energy Conference

# Batteries is one of Hydro's growth units

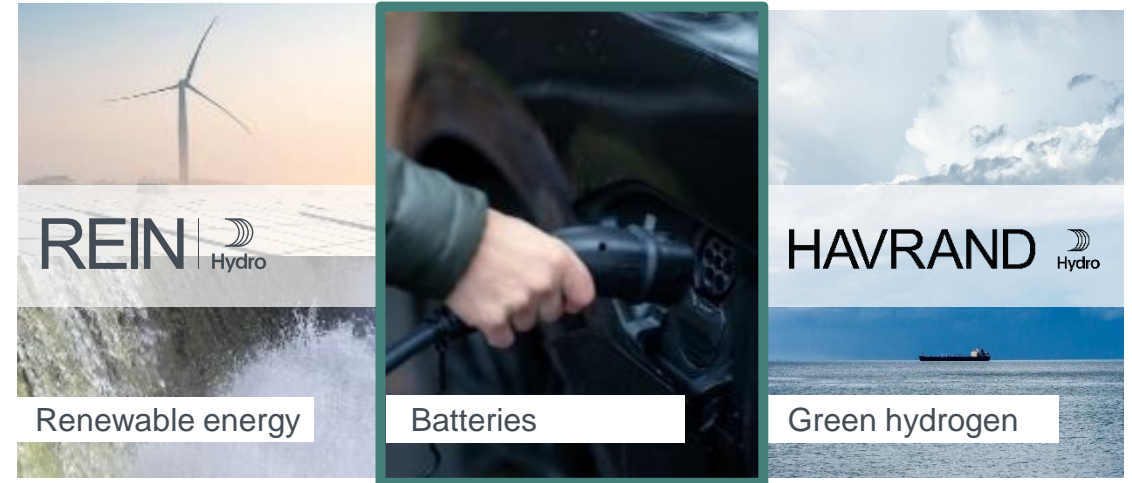


## Hydro's 2025 strategy

1 Strengthen position in low-carbon aluminium



2 Diversify and grow in new energy

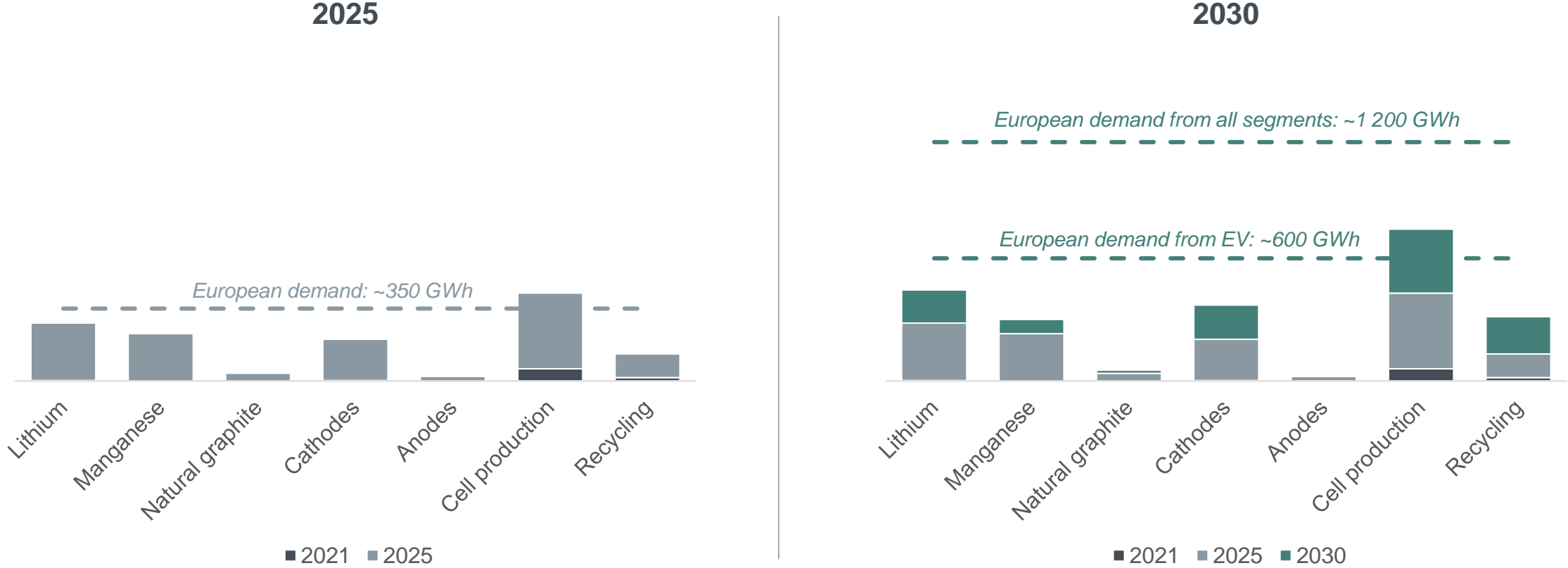


Profitability & Sustainability

# Large gaps between announced supply and projected demand in Europe



**Announced supply vs. forecasted demand in Europe**  
*Battery capacity equivalents (GWh)*



Source: Business Sweden, "The Nordic Battery Values Chain", August 2021. Selected raw materials only; Rystad Energy demand forecast (October 2022)

# Focused battery strategy: Grow within sustainable battery materials by leveraging Hydro's capabilities



## STRATEGIC GROWTH

**Anode materials**  
*Vianode targeting substantial market share for synthetic graphite in Europe and North America*

**Circular solutions**  
*Hydrovolt targeting 25% market share within EV battery recycling in Europe. Work to integrate downstream.*

**Battery materials**  
*Selectively explore*

**Vianode**  
30% owner share

**hydrovolt**  
50% owner share

**Industrialize sustainable battery material businesses**

**Build technology platform through R&D and selected emerging technology investments supporting strategic growth**

## PORTFOLIO HOLDINGS

**Active industrial owner in marine systems segment leader**

**Corvus**   
24.1% owner share

**Financial holding in European emerging cell manufacturing leader**

**northvolt**  
0.6% owner share

We create **value**  
by utilizing Hydro's  
**capabilities** and  
**expertise**



Leading sustainability competence

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Active industrial owner – use Hydro core capabilities to industrialize innovation

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Growth and scaling potential required, strong team and owners with distinct contributions

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Early entry for impact and value creation

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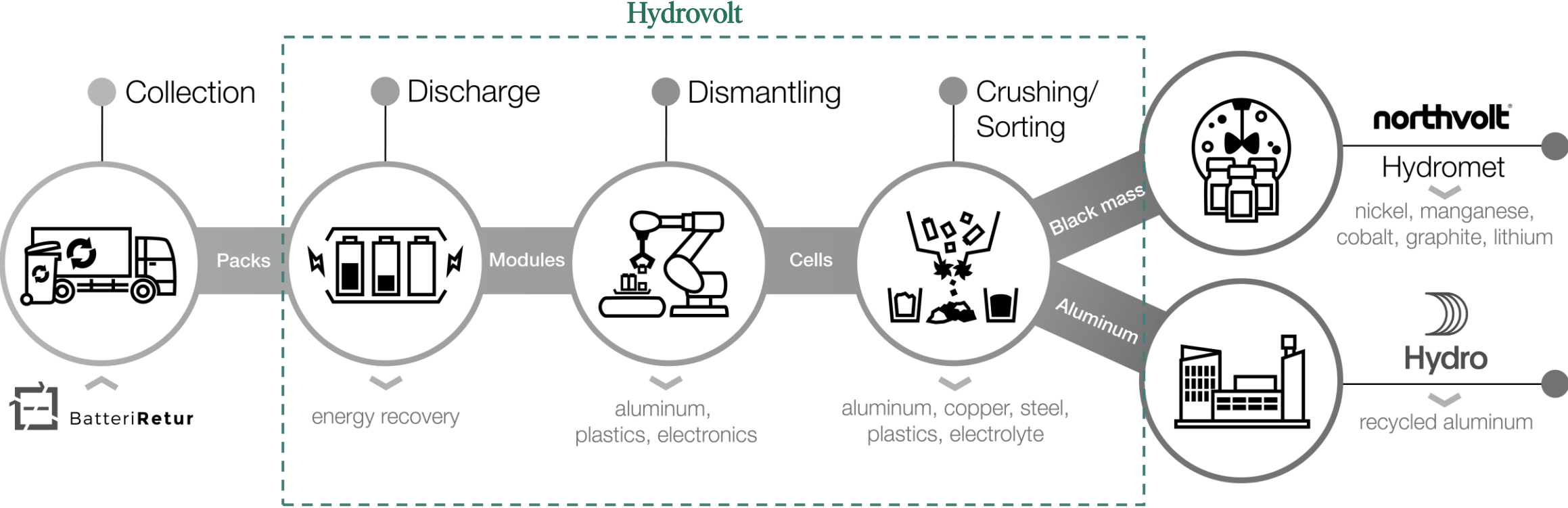


Investing with strong, complementary partners

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# Hydrovolt value chain



# Hydrovolt

Europe's largest battery recycling plant



- Raw materials critical for energy transition
- Recycling an essential part of the solution
- Building on Norwegian EV market

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hydrovolt 

- Commercial operation commenced
- Preparing FID for industrial pilot discharge and disassembly
- Prepared for European expansion



- Hydro co-founder, 50-50 JV with Northvolt. Enova support 43.5 MNOK
- Transferrable competence from a leading position within aluminum recycling. Will reuse the recycled aluminium from batteries
- Lead on build project including safety, expansion strategy, sustainability strategy



# Hydro Batteries delivering on strategy and stated value creation potential



## Significant progress last 24 months

<b>2x</b> Value uplift on equity invested	<b>10,000</b> EV batteries secured by Hydrovolt	<b>20,000</b> EVs with Vianode graphite from plant under construction
<b>NOK 0.9 bn</b> Equity invested	<b>90%</b> Roadmap to reduced CO2e in battery materials	<b>3 bn</b> Capital allocated 2020-2025

## Hydro Batteries in 2027

<b>3x</b> Value uplift on equity invested by 2025	<b>150,000</b> EV batteries recycling capacity in Hydrovolt	<b>1,000,000</b> EVs with Vianode graphite capacity
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## Key capabilities



Scaling capability, energy expertise and automotive experience



Working in strong partnerships to build scale and accelerate growth



Leading sustainability expertise – driving and implementing sustainability ambitions





**Hydro**

*Industries that matter*