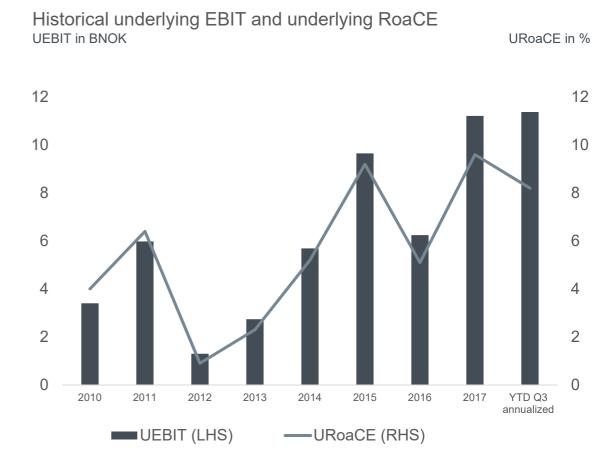


Navigating challenging times, maintaining long-term focus

Key priorities from last Capital Markets Day



- Maintaining financial strength and flexibility, providing attractive returns over the cycle
- Strengthening competitiveness and resolving operational challenges
- Differentiating through the integrated model, integrating Extruded Solutions
- Extending leadership in innovation and sustainability
- Improving safety performance



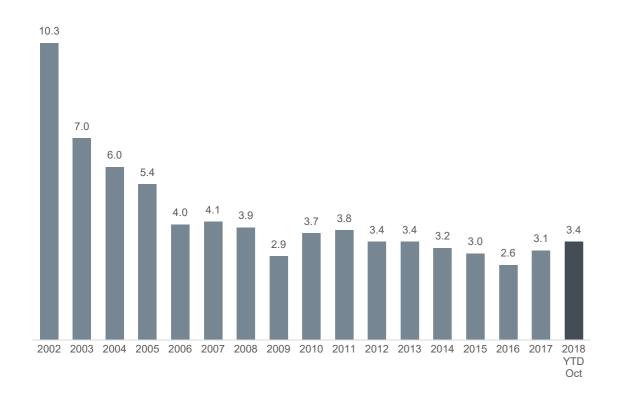
Underlying EBIT adjusted for tax expense / capital employed (current assets, PP&E, other non-current assets, current liabilities, non-current liabilities)

Safety – our top priority



Fatality in November - safety trend requires action

TRI Rate¹⁾





Sustainability and innovation is fully integrated into our business



People, Planet, Prosperity

Making a positive difference









Improving our footprint









Driving innovation





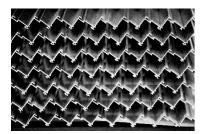




Main developments during 2018



Extruded Solutions



Acquiring 2 plants in Brazil, investing in new press in US



Record results through 2018

Rolled Products



Restructuring foil business



Automotive line 3 picking up speed

Primary Metal



Karmøy Technology Pilot in full production, delivering as planned



Build-decision on Husnes restart and upgrade

Energy



~2.2 TWh renewable power sourcing



Developing solution to secure RSK value

Bauxite & Alumina



Embargoes on Alunorte, 50% production Alunorte, Albras, Paragominas



Signing of technical and social agreements

Our mid-term goals strongly affected by Alunorte situation



	Ambitions	Target	Timeframe	Progress ¹	Status
Better	 Improve safety performance, strive for injury free environment Realize ongoing improvement efforts Better Secure new competitive sourcing contracts in Norway post 2020 Lift bauxite production at Paragominas Lift alumina production at Alunorte Shift alumina sales to PAX-based pricing Extend technology lead with Karmøy technology pilot Extend technology lead with Karmøy technology pilot 	TRI<2 BNOK 3.0 4-6 TWh 11 mill mt/yr 7.0 mill t/yr ➤ 85% PAX ⁵ Start production Full ramp-up	2020 2019 2020 2018 2021 2020 2H 2017 Q2 2018	3.4 ² (0.5) BNOK 4.8 TWh ³ 6.6 mill mt/yr ⁴ 3.9 mill mt/yr ⁴ 75-80% PAX ⁶ January 29, 2018 June 27, 2018	
Bigger	 Realize technology-driven smelter capacity creep Increase nominal automotive Body-in-White capacity Complete ramp-up of UBC recycling line 	200,000 mt/yr 200,000 mt/yr >40 000 mt/yr	2025 2017 2017	43,000 mt Ramping-up, qualifications ongoing Delayed to Q4 2019	
Greener	 Become carbon-neutral from a life-cycle perspective Increase recycling of post-consumer scrap 1:1 rehabilitation target 	Zero >250,000 mt/yr 1:1	2020 2020 2020	On track 168,000 mt On track ⁷	•

ensure quality rehabilitation to restore biodiversity

Status towards the target

Ambition on track and on target

¹⁾ Based on 2018 estimate unless stated otherwise

²⁾ YTD Oct-2018, own employees

^{3) ~2.2} Twh power sourcing since CMD 2017

⁴⁾ YTD Q3 2018 annualized

⁵⁾ Based on sourcing volume of ~ 2-2.5 million tonnes per annum

⁶⁾ Based on sourcing volume of ~ 3.5 million tonnes for 2018
7) 1:1 rehabilitation of areas available for rehabilitation within two hydrological seasons after release. Revised definition of target takes into account the nature of the mining cycle, and the time lag necessary to

account the nature of the mining cycle, and the time lag necessary to

Ambition behind plan, but on target

Ambition will not meet the target within the timiframe

01

Roadmap to full production in Brazil

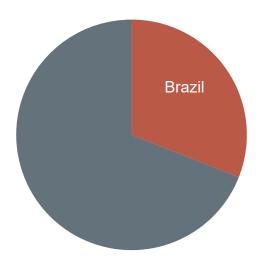
Hydro in Brazil



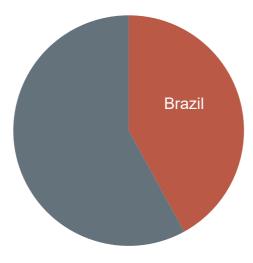
More than 40 years experience

Significant exposure to Brazil

Capital Employed in Brazil Sept 30, 2018



UEBITDA in Brazil



1974

Enters Brazil with ownership in MRN bauxite mine

2000

Acquires 34% stake in Alunorte alumina refinery

2011

Acquires Vale's aluminium assets

2017

Strengthens position as integrated aluminium company with strong extrusion presence through Sapa

2018

February rainfall event leads to partial curtailment

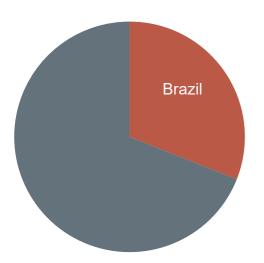
Hydro in Brazil



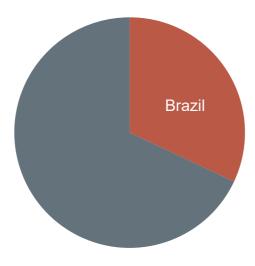
More than 40 years experience

Significant exposure to Brazil

Capital Employed in Brazil Sept 30, 2018



UEBITDA in Brazil



1974

Enters Brazil with ownership in MRN bauxite mine

2000

Acquires 34% stake in Alunorte alumina refinery

2011

Acquires Vale's aluminium assets

2017

Strengthens position as integrated aluminium company with strong extrusion presence through Sapa

2018

February rainfall event leads to partial curtailment





World's largest alumina refinery outside China

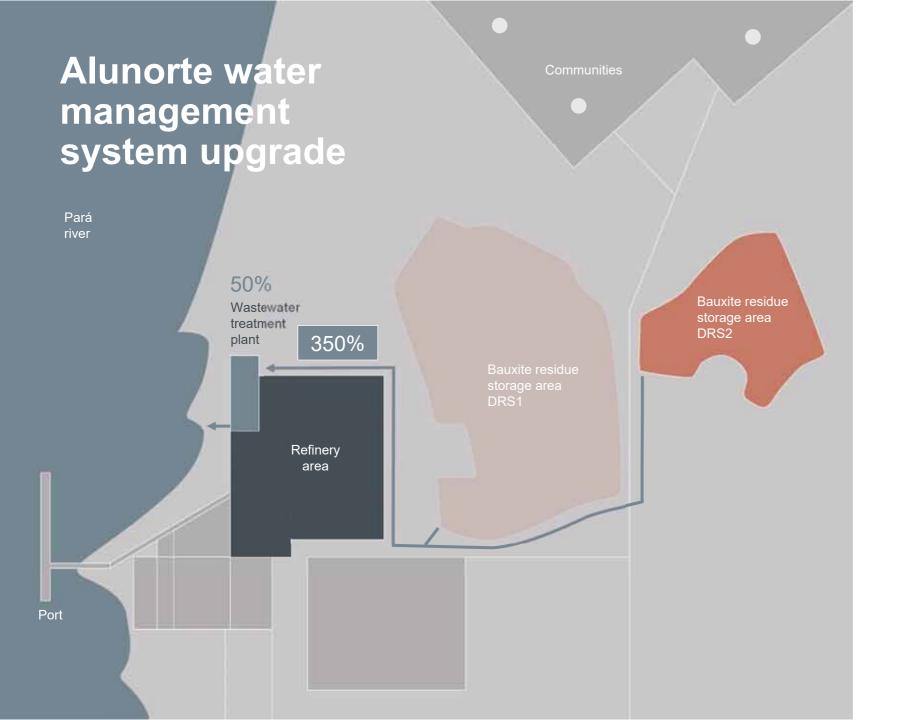
- Nameplate capacity of 6.3 mtpy, with more than 2 000 employees
- Connected to Paragominas bauxite mine via 244 km slurry pipeline
- Old DRS1 bauxite residue area to be replaced by new DRS2 area, based on press filter technology
- Wastewater treatment system treats process and rain water before discharging into Pará river





Rainfall event on February 16-17

- No spills from bauxite residue areas DRS 1 and DRS2
 - Confirmed by IBAMA and SEMAS
- Unlicensed discharges of rain water from:
 - 1. Canal Velho
 - 2. Disused pipes
 - 3. Coal storage roof
- Internal and external environmental assessments find no evidence of any significant or lasting damage





Water management system being future-proofed

- Water basin capacity increased 350 % to safeguard against future climate changes
- Water treatment plant capacity increased 50 %
- Permanent closure of DRS1 will significantly ease pressure on water treatment system

Current status

Production embargo

- By federal court, on Ministerio Publico's request
- By state environmental agency Semas

DRS2* embargo

- By federal court, on Ministerio Publico's request
- Lifted by federal environmental agency Ibama in early October
- · Petition filed in court for lifting of DRS2 embargo

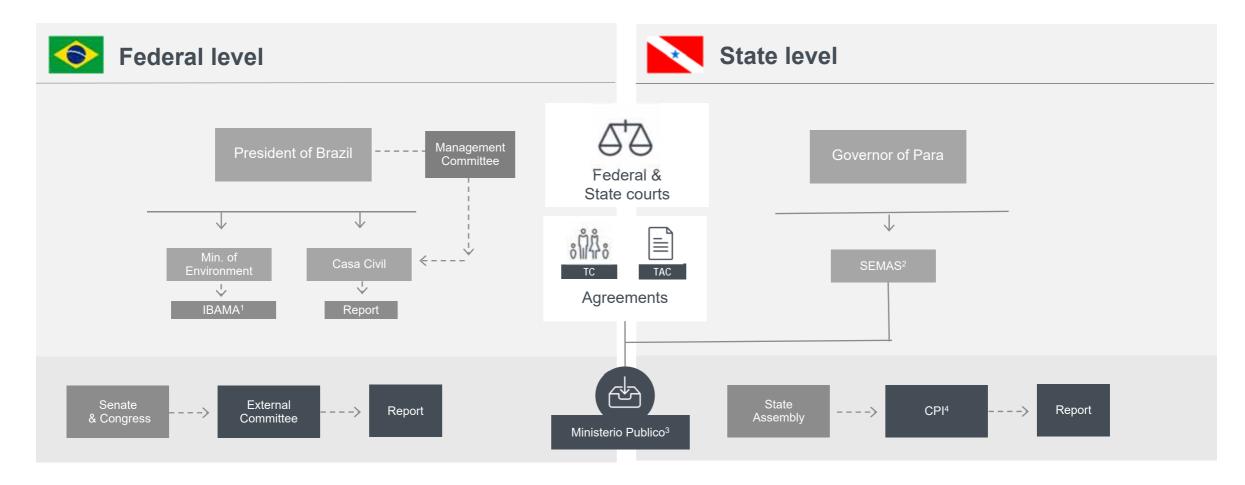
Press filter embargo

• Lifted by federal environmental agency Ibama in early October



TAC and TC agreements important in creating common platform towards normal operations





Way forward for Alunorte



Process addresses technical, environmental and social aspects

Operations and environment



Today Alunorte, Paragominas, Albras production at 50%

End-Q4 2018 Increasing water basin capacity by 350%

Q2 2019 Increasing waste water treatment capacity by 50%

Q2/Q3 2019 Adding additional press filter

Social



Local community dialogue Water distribution, health services, emergency preparedness

Shorter term

Food coupons to communities surrounding Alunorte

Investing in projects

Longer term

supporting sustainable urban development in defined communities (TC)

Social and environmental investments under the Sustainable Barcarena Initiative

Process to restore normal production at Alunorte

- Timing for resuming 100% production remains uncertain
- Operational, environmental and social investments in progress, totalling BRL ~1.1 billion
- Continued dialogue with authorities on creating common platform to resume normal operations
- Alunorte capable of running safe operations improvement initiatives to strengthen robustness



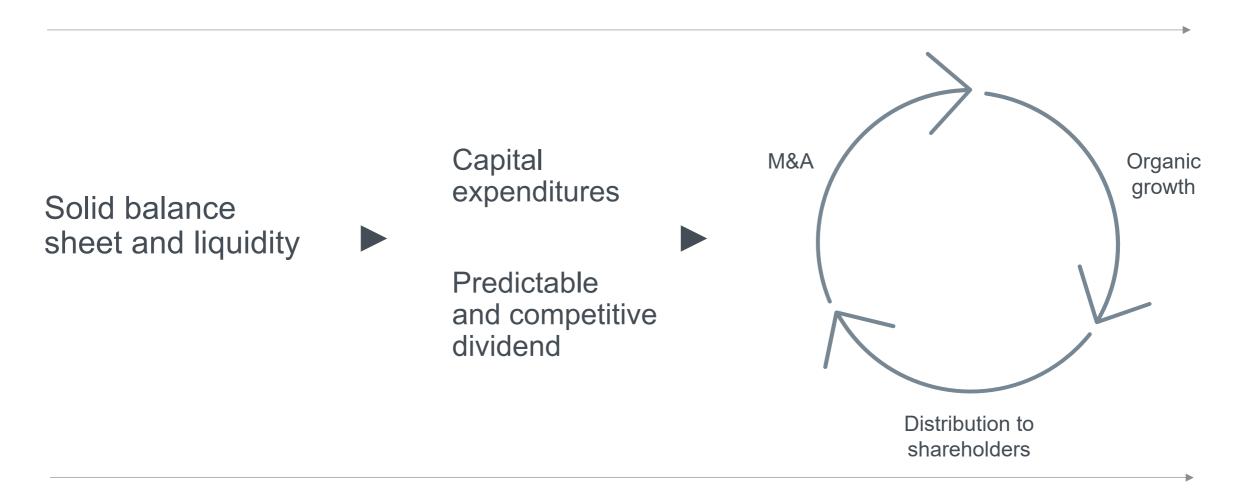
02

Financial framework, competitive positions

Driving long-term shareholder value



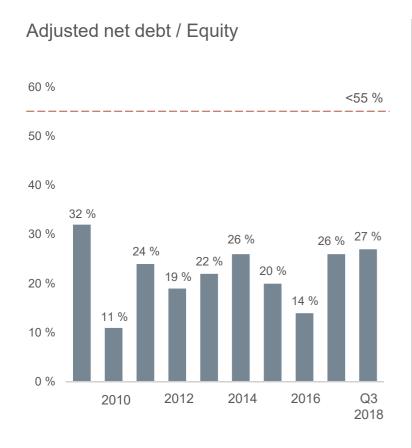
Balancing capital allocation and financial strength

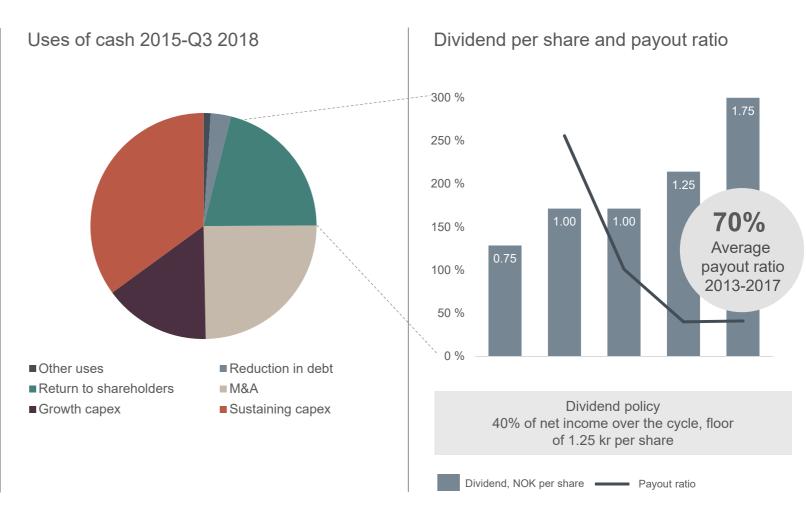


^{*} Allocation based on best risk-adjusted returns

Solid balance sheet, balanced capital allocation, competitive pay-out ratio

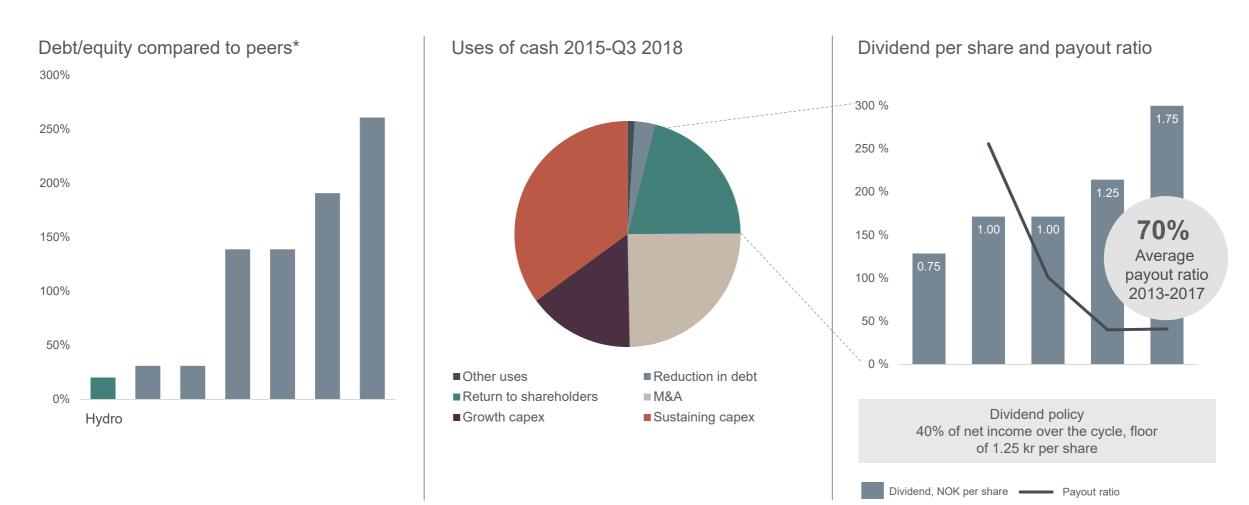






Solid balance sheet, balanced capital allocation, competitive pay-out ratio





Source: Debt/equity - Nasdaq
*Peers include Alcoa, Arconic, Rusal, Chalco, Century, Hindalco
Total debt/Total Equity end-2017 = (Long Term Debt + Short Term Debt & Current Portion of Long Term Debt) /Equity attributable to shareholders

Strong positions across the value chain



Upstream

Competitive cash cost position upstream

Alumina BOC curve by company¹ (2018) USD/mt



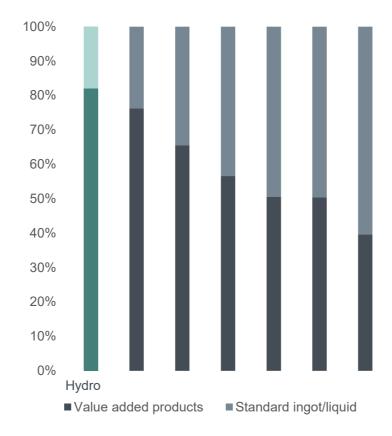
Smelter BOC curve by company² (2018) USD/mt



Source: Republished under license from CRU International Ltd
1) Alumina cost curve: caustic soda USD 600, USD/BRL 3.75
2) Aluminium cost curve: LME USD 1 945, alumina USD 412, NOK/USD 8.5
Assumed 100% production at Alunorte and Albras

Midstream

Strong position in value added products¹

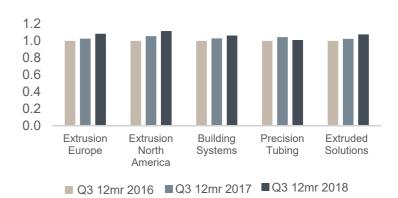


Source: Republished under license from CRU International Ltd Actual figures for Hydro sales 2017

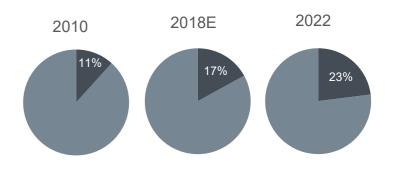
1) % of total shares being value added products; extrusion ingot, wire rod, sheet ingot and primary foundry alloy

Downstream

Improving NAV^{1,2} in Extruded Solutions



Increasing automotive share in Rolled Products³



- 1) Net Added Value: calculated as operating revenues less cost of material, including freight costs out
- 2) NOK indexed, translated to NOK based on Q3 2018 12 m rolling currency rates
- 3) In percentage of total sales

Better improvement program hit by Alunorte situation



Will not meet 2019-target of BNOK 3*

Bauxite & Alumina

- 50% production at Alunorte and Paragominas with strong negative impact on improvement program
- 2016-17 improvements more than offset by negative 2018 effects
- 2019 target of BNOK 1.3
- E2018 accumulated delivery of negative 1.0 BNOK

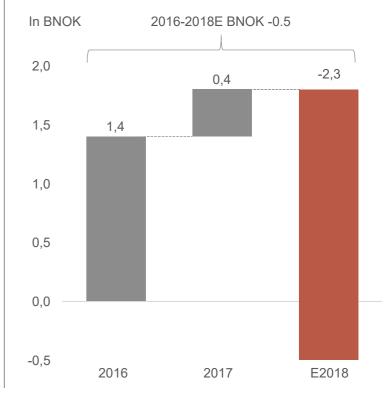
Rolled Products

- Benefit from AL3, UBC and cost performance
- Operational and ramp-up issues reducing improvement speed
- 2019 target of BNOK 0.7
- E2018 accumulated delivery of 0.4 BNOK

Primary Metal

- 50% production at Albras impacting improvement program negatively
- 50% production Alunorte with negative impact due to alumina qualities – challenges on operational parameters
- 2019 target of BNOK 1.0
- E2018 accumulated delivery of 0.1 BNOK

BNOK 3.0 *Better* improvement program progress



03

Market outlook

Geopolitical events impacting our industry



Aluminium demand remains solid

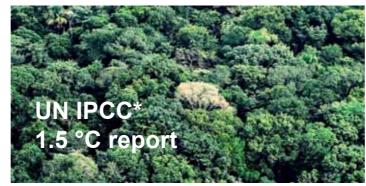
Geopolitical events impacting trade flows, EU struggling with continued Brexit uncertainty





China moderating primary supply growth, global climate concerns continue to rise





Underlying demand remains solid

2-3% Global primary demand in 2019

1-3% World ex. China primary demand in 2019

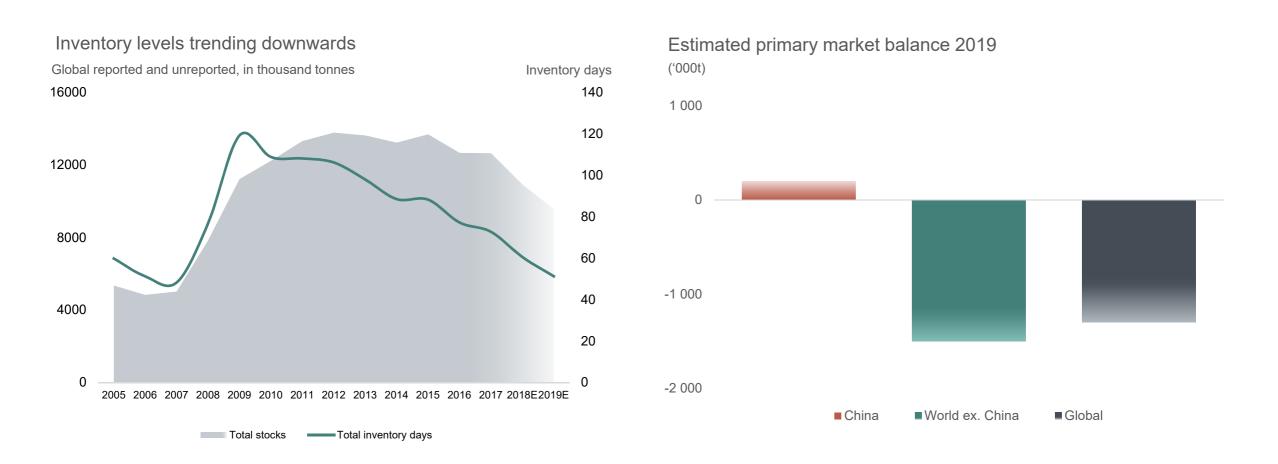
2-4% China primary demand in 2019

^{*} Intercontinental panel on climate change

Global aluminium market expected in deficit in 2019



Inventories gradually trending towards historical levels



Aluminium's reach is growing over the next decade in response to key long-term trends



Substitution continues to be a key driver for aluminium

Transport

3-4%



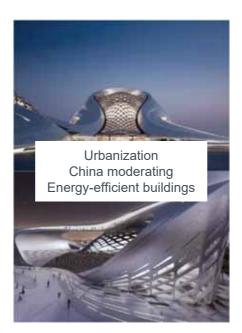
Packaging

2-3%



Building & construction

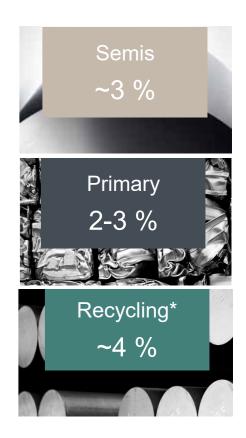
2-3%



Electrical

2-3%





Strategic direction

Better, Bigger, Greener



Hydro's aspiration for higher value creation



Better

Raise performance and improve customer offering



Bigger

Expand the use of aluminium and strengthen Hydro's platform for growth



Greener

Lead the transition towards sustainable solutions

A complete value chain for higher value creation

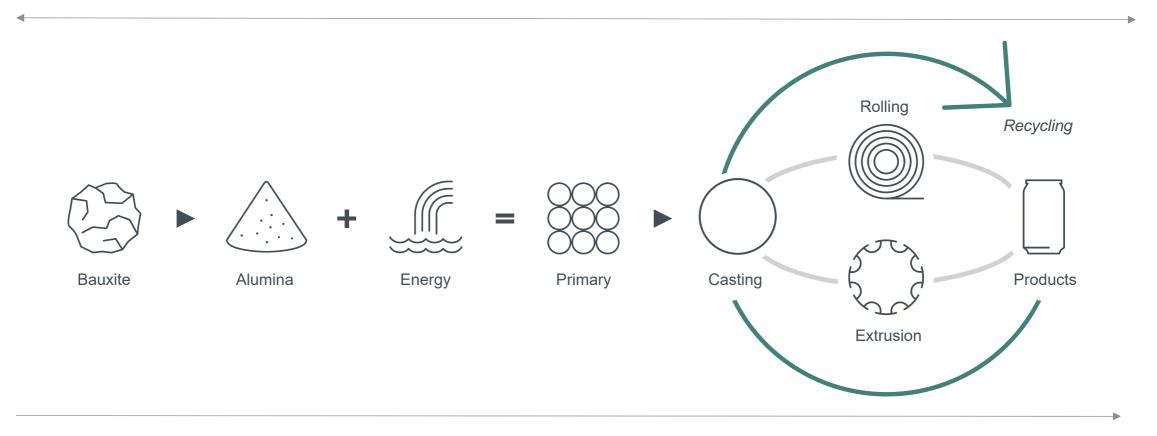


Focus on cost efficiency and process technology

Centralized business model

Focus on margin management and product innovation

Decentralized business model



Summary of strategic focus areas going forward



On-going initiatives and strategic ambitions

Bauxite & Alumina



- B&A operations back on track
- Closer collaboration with key stakeholders
- Fuel switch project

Energy



- RSK solution
- New business
- · Competitive sourcing

Primary Metal



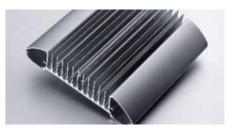
- Pilot spin-offs
- Husnes restart
- Albras back on track
- Recycling

Rolled Products



- Further growth in automotive
- Recycling
- High-grading product portfolio

Extruded Solutions



- Selective growth
- · Value over volume

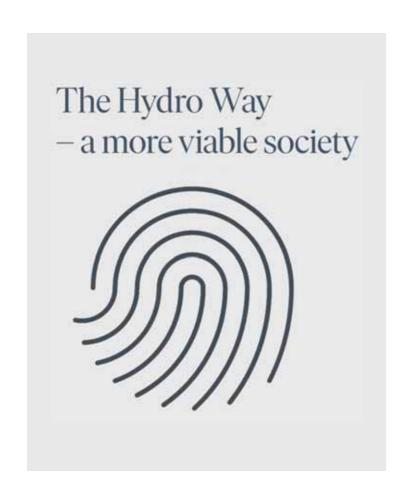
Innovation, technology, digitization
Sustainability
Commercial differentiation
Continuous improvements

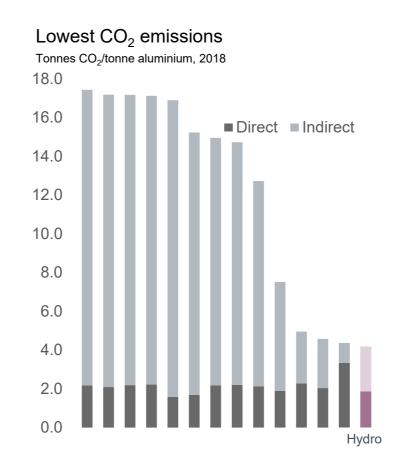
05

Innovation and sustainability

Sustainability and innovation – key competitive advantages







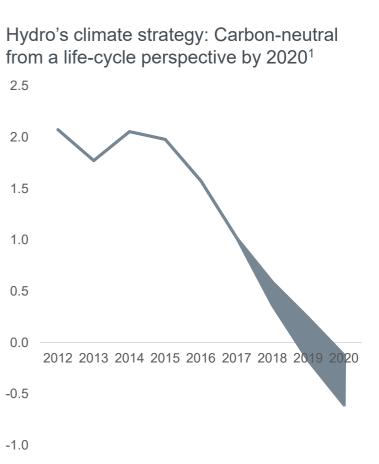


Part of the solution – turning words into action



Industrial strategy, business development and climate ambitions hand in hand





Responsible, low-carbon products for a greener future







Electrification is ramping up, accelerating innovation

- Aluminium is the fastest growing automotive material due to fuel economy focus and stricter emissions standards
- E-mobility is speeding up the aluminium-in-automotive trend as the preferred lightweighting material
- Electric vehicles (EV) could represent more than 30% of global car market by 2030, up from just 4% in 2017
 - Average aluminium content in cars expected to rise from around 180 kg/car to more than 250 kg/car over next 10 years
 - Aluminium content in EV typically around 25% higher than in conventional cars
 - Aluminium content often corresponds to the size of the EV model, from around 170 kg in Nissan Leaf to 650 kg in Tesla X



Audi e-tron Prototyp

Audi e-tron Prototype Flüssigkeitsgekühlte Lithium-Ionen-Batterie

Batterigehäuse
Aluminium diest)

Cehäusedeckel
(Aluminium diest)
Galuminum diest)

Batterigehäuse
Aluminium
Crash structure

Cehäusewanne
Mousing tray

Batterigehäuse
Aluminium
Crash structure

Cehäusewanne
Mousing tray

Withlighten
Cooling system

Untterfahrschutz
Lower protection
Cover

 \mathfrak{M}

Cell module with twelve 60 Ah cells

BMC (Batterie Management Controller) BMC (Battery management controller)

New innovative combinations for more efficient solutions

- As a fully-integrated company, Hydro is now able to collaborate on innovations across the value chain
- Combining extruded profiles and rolled aluminium, creating smarter, better and more cost-efficient solutions for a wide range of applications



Marine, e.g. ship hulls



Offshore, e.g. helipads and living quarters



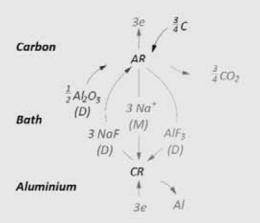
Construction, e.g. bridges and I-beams



Large structural components, e.g. train carriages





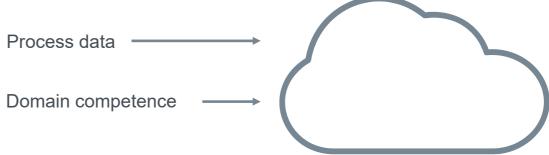




Towards digital production

Digital twins

Optimizing by combining physical models, sensors and advanced analytics of process data



Examples include electrolysis process and the complete value chain for extrusion



Building the future

Aluminium systems can improve a wide range of a building's performance indicators

- Energy performance
- Renewable energy production
- Acoustic performance
- Thermal comfort
- Daylight optimization
- Innovation and design
- Raw materials sourcing and recycling





Hydro key focus areas

Engineering the future, lightweighting our planet

- Resolving Alunorte situation
- Maintaining financial strength and flexibility
- Providing attractive returns over the cycle
- Strengthening competitiveness through continuous improvement, innovation and sustainability