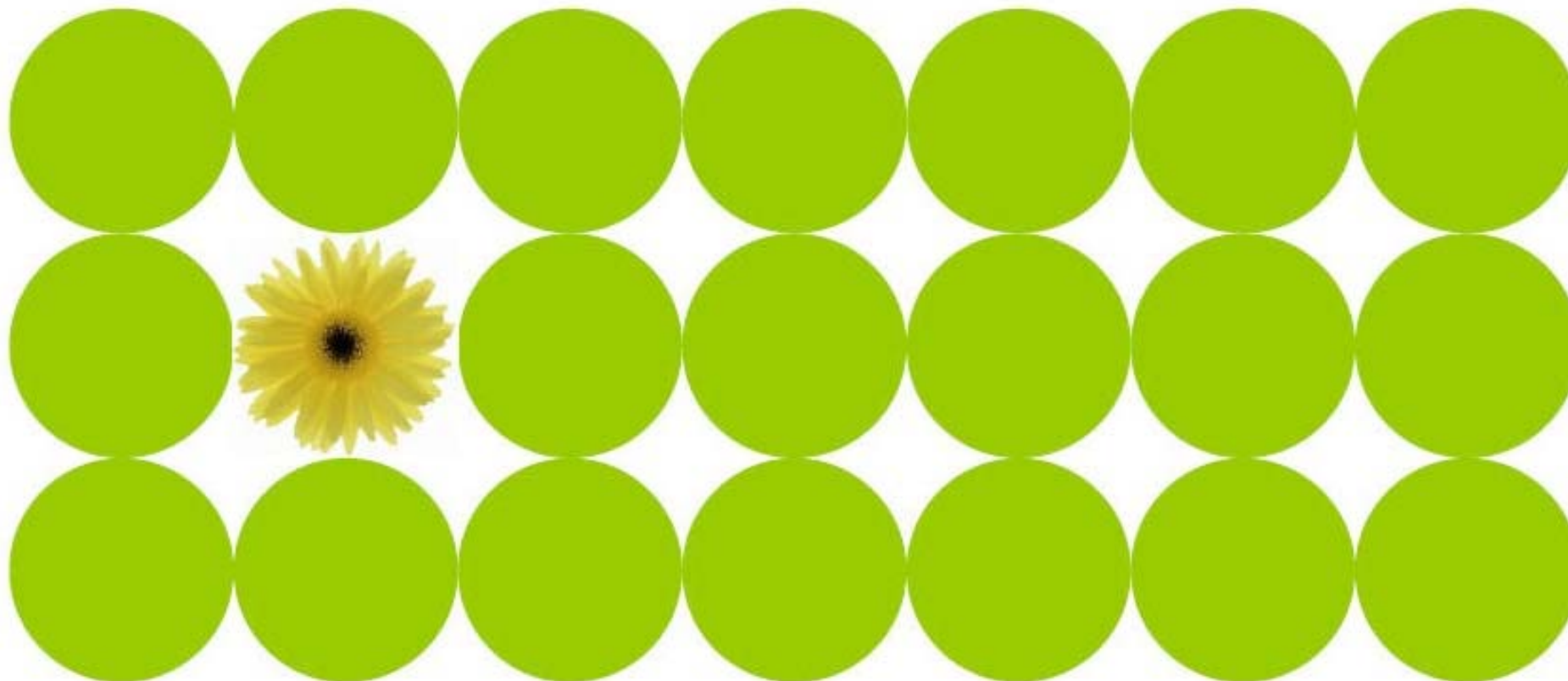
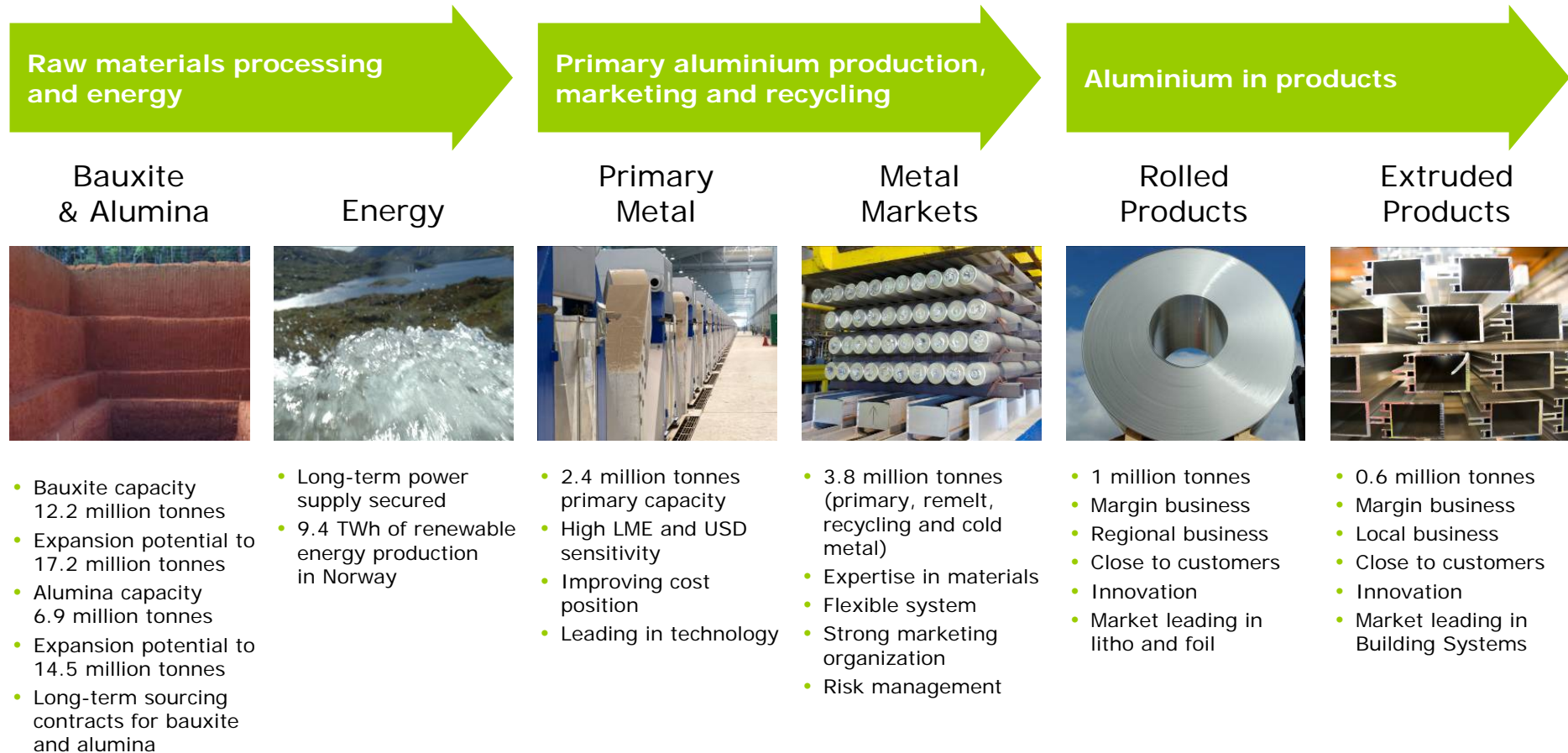


# Hydro - resource rich and fully integrated



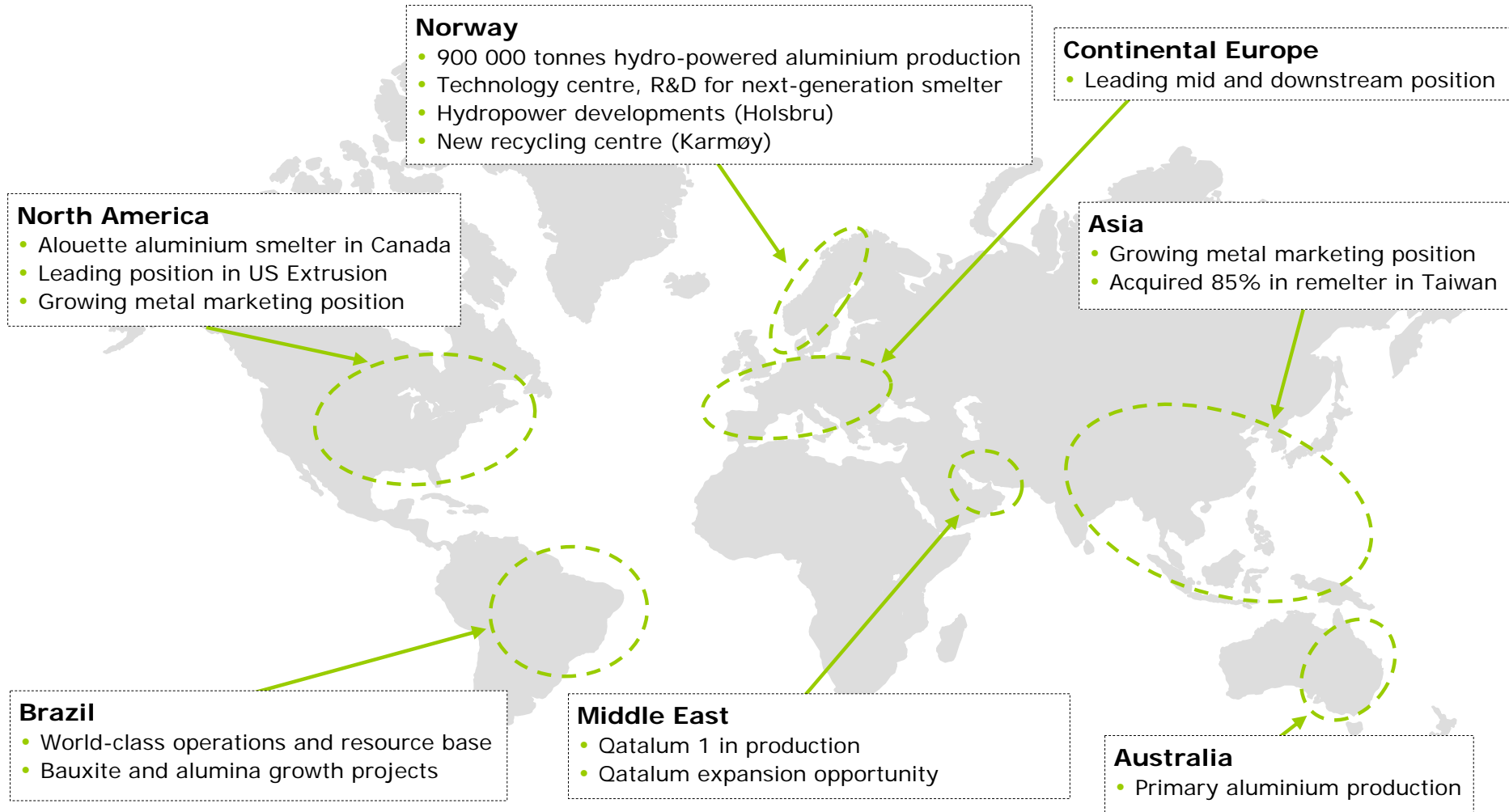
Stefan Solberg, Vice President and Head of Investor Relations  
SEB Enskilda Nordic Metals & Mining Seminar, September 27 2011

# Strong positions across aluminium value chain



Pro forma capacity for end-2010 after Vale transaction. 100% of volumes for assets that are fully consolidated and pro rata volumes for other assets.

# Attractively positioned, global reach



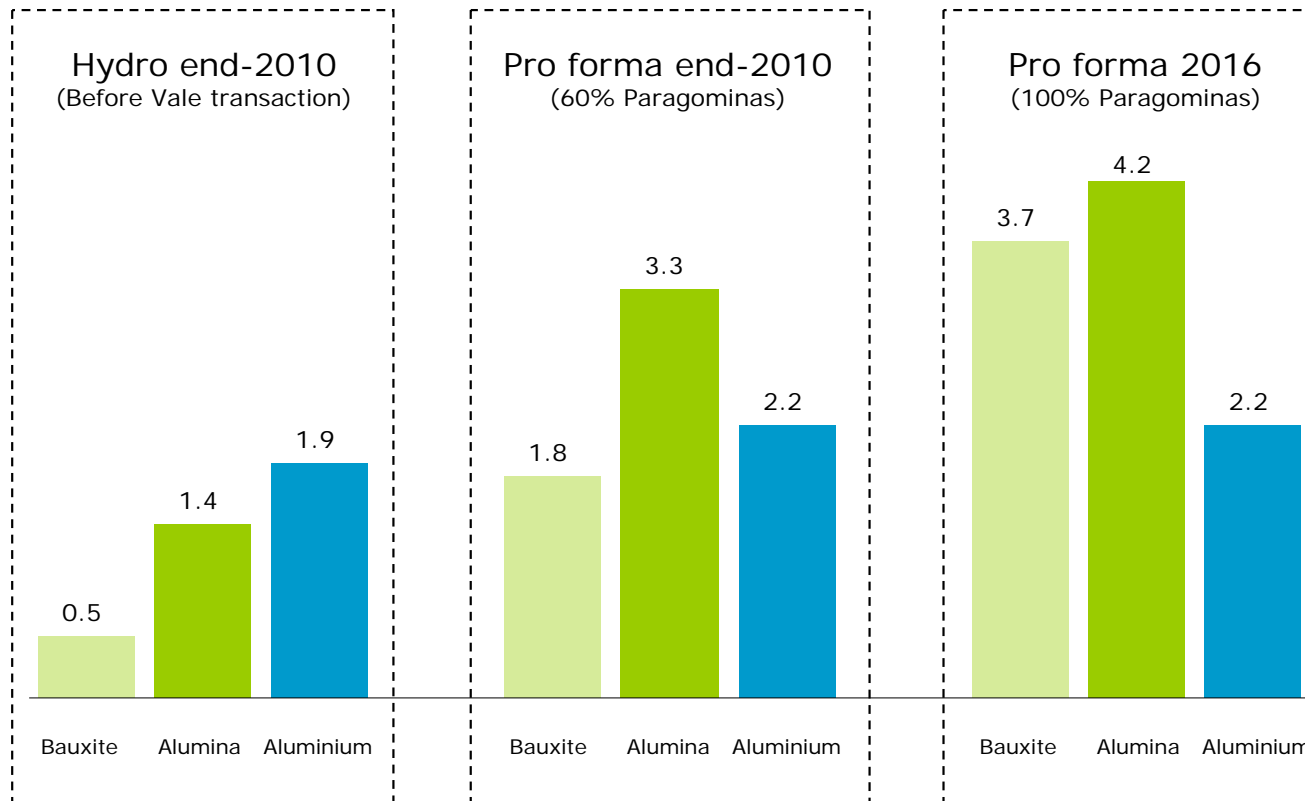
# Vale transaction completed February 28, 2011

- Platform for further growth as fully integrated resource-rich aluminium company
- Positions Hydro as a leading global bauxite and alumina player
- Integration process well under way
- Key priority: increase production towards nameplate capacity
  - improved production performance in Q2
- Promising growth prospects
- Vale has become key shareholder in Hydro with 22% ownership



# Hydro becomes long in bauxite and alumina

Aluminium equivalent equity capacity, million tonnes

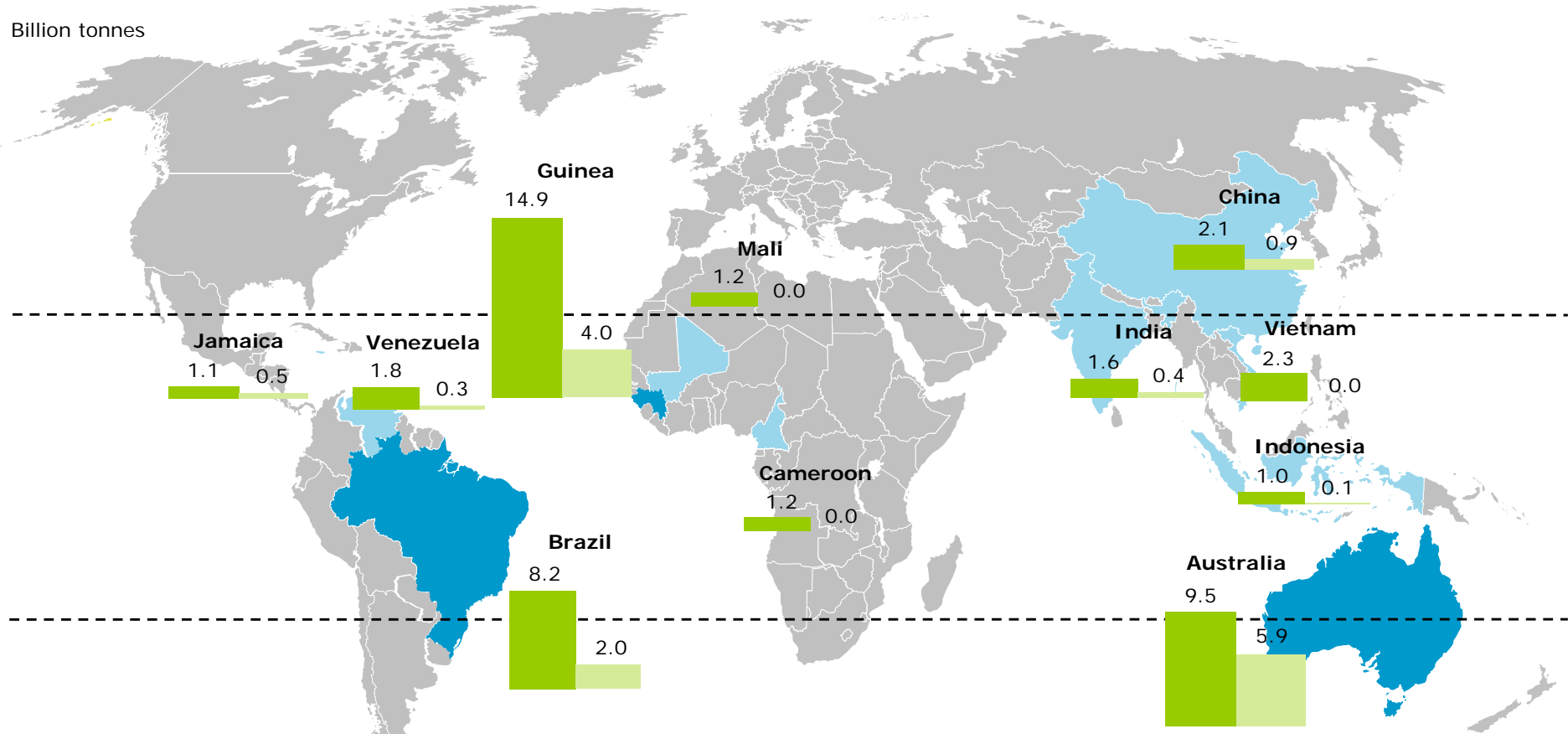


- Hydro's position transformed from large share of long-term contract sourcing to full resource ownership
- Excess alumina sold on standard industry contracts until 2015
- Portfolio of bauxite and alumina sourcing contracts strengthens equity position
  - Hydro will annually purchase 6.8 million tonnes of bauxite on an evergreen contract from MRN
  - Hydro's current alumina sourcing contracts will remain in portfolio

Includes idled capacity. Assumed assets included on a pro rata basis. 2016 includes Paragominas at 15 million tonnes and CAP first phase.

# 66% of bauxite availability concentrated in 3 countries

Billion tonnes



■ Big-league (Top- 3)

■ Mid-league (Top- 11; each > 2% of world total)

■ Total bauxite, billion tonnes: reserves, mine site resources \*, and undeveloped resources \*\*

■ Potential reserves, billion tonnes: associated with currently operating mines \*\*\*

\*) Mine site resources are known bauxite resources that do not currently qualify as reserves for various reasons

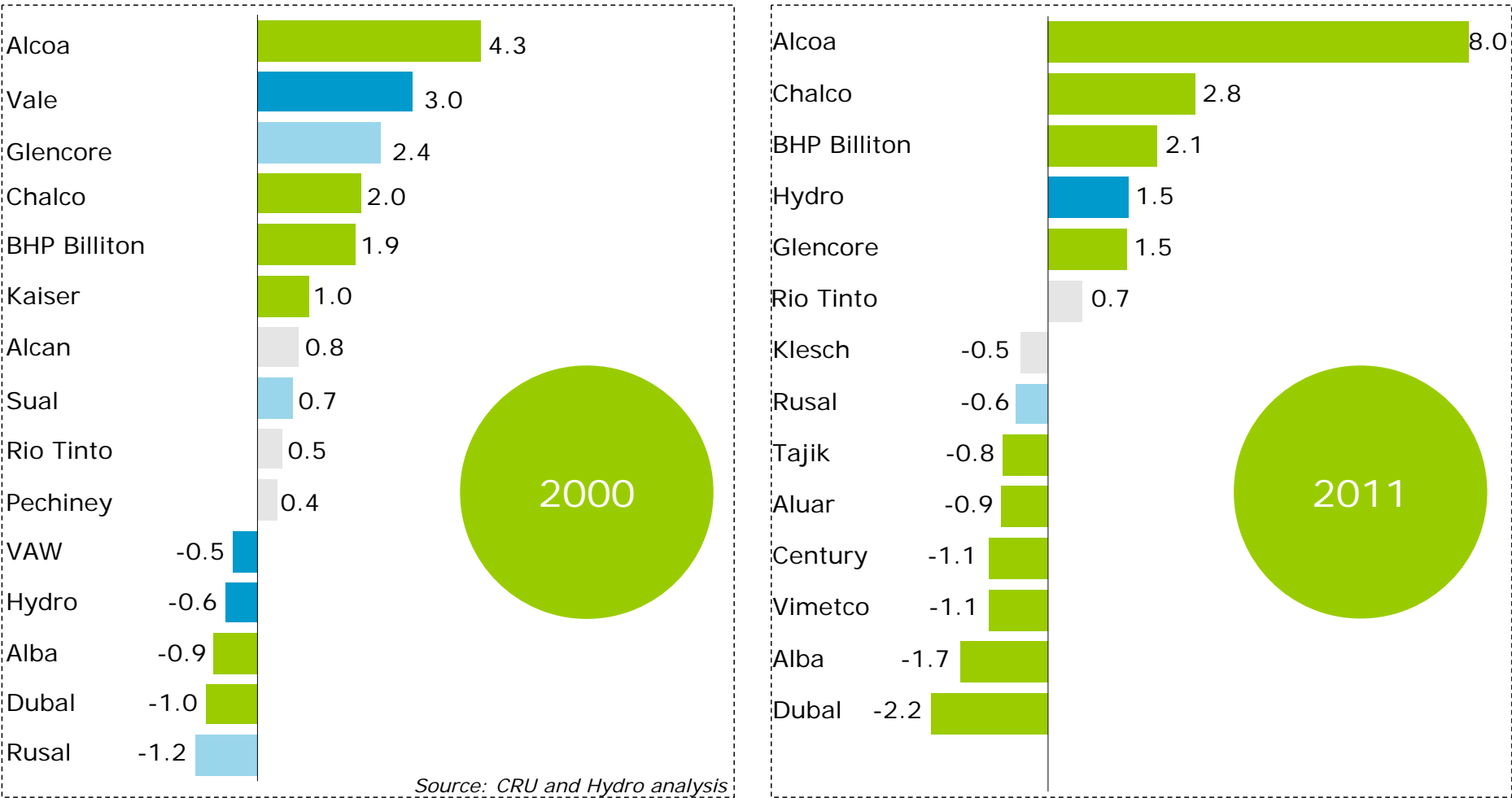
\*\*) Undeveloped resources might or might not become feasible for new mines (quality, size, access, etc)

\*\*\*) Potential reserves = current reserves (economically extractible) + 70% of mine site resources. Undeveloped resources are excluded.

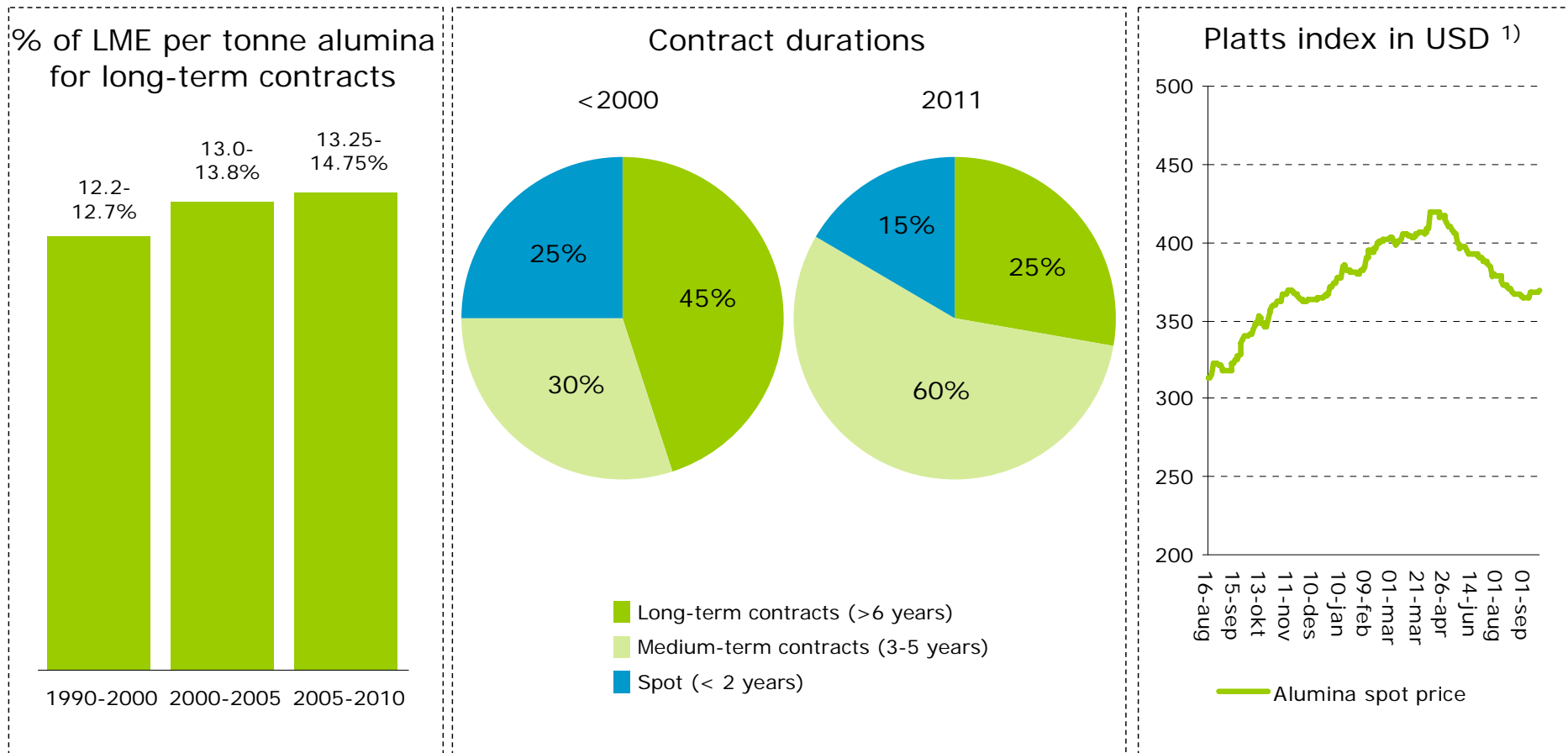
Source: Roskill and Hydro analysis

# Alumina market is consolidating

Equity alumina production less equity alumina requirement, million tonnes



# Shift towards shorter contract durations



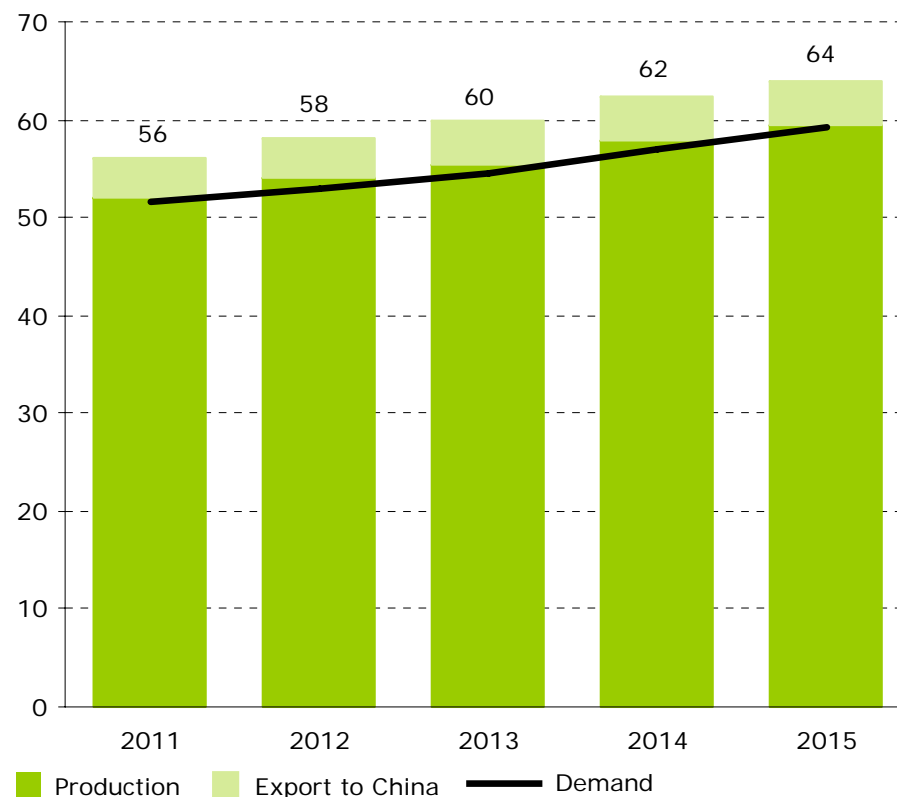
Source: Platts and Hydro estimates 1) Platts, started spot notifications in August 2010



# Attractive commercial foundation for alumina

## Alumina market appears balanced

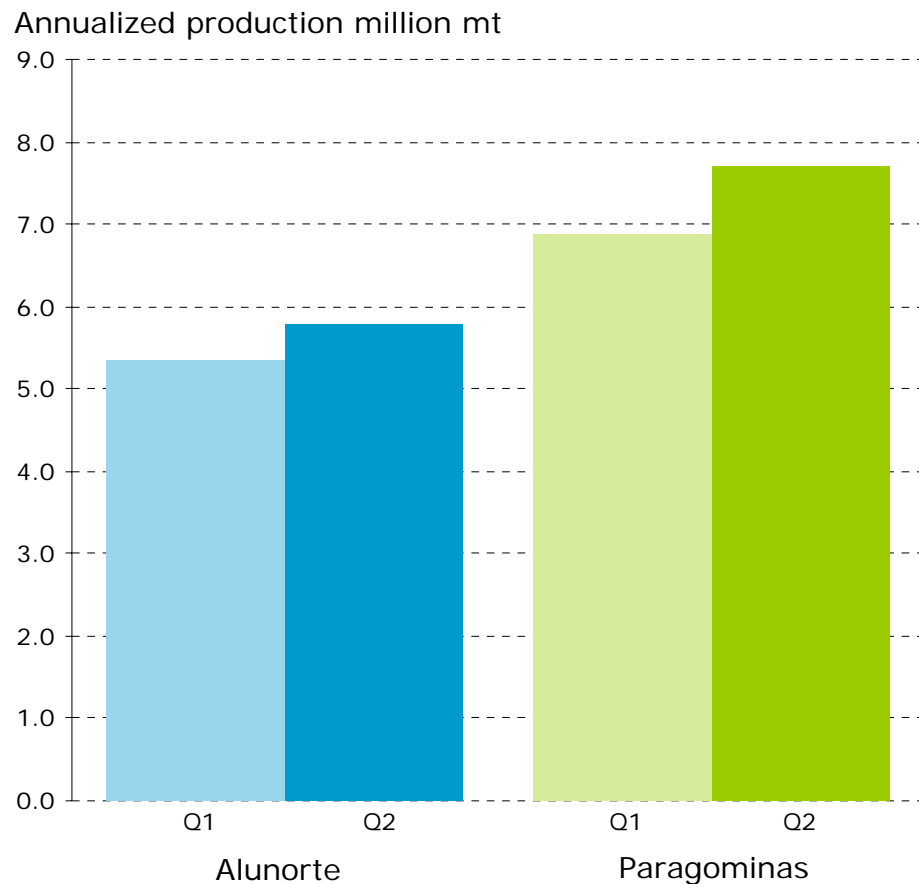
World outside China, million tonnes



Source: CRU and Hydro analysis

- Scarcity of high-quality bauxite
- Large alumina and bauxite deficit in China seems to continue
- Growth expectations for aluminium requires new alumina capacity next decade
- Development and construction costs for new capacity increasing
- Future pricing needs to reflect economic fundamentals of the bauxite and alumina value chain

# Bauxite and alumina production improvements



- Paragominas production up 12% from Q1
  - Improved performance in beneficiation plant
- Alunorte production up 8% from Q1
  - Improvement in older lines
  - Increased utilization in coal boilers
- Focus on housekeeping and safety
- Preventive maintenance
- Target higher and more stable production

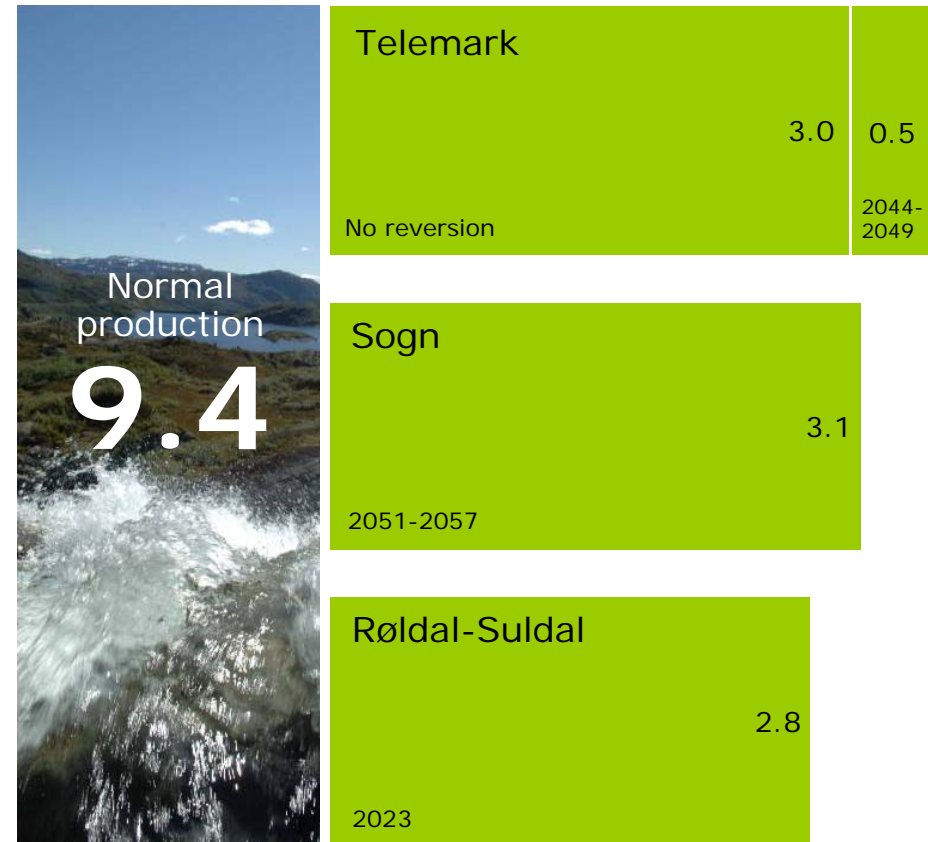
# Substantial values in long-term assets in Norway

- Stable and solid cash generation
  - Indicative annual EBITDA NOK 1.6 – 1.8 billion
- Hydro's power balance, normal year
 

• Normal production	~9.4 TW
• Sourcing on long-term contracts	~7.0 TWh
• Consumption in Primary Metal*	~12.5 TWh
• Contract sales and concession power	~1.0 TWh
• Spot sales	~3.0 TWh
- Value enhancement potential
  - Growth opportunities in Norway
  - Holsbru project to add 84 GWh from 2012
  - Optimization of power value in market, and in cooperation with smelters

\* Including Sunndal 3 line currently curtailed

Power production capacity (TWh) per region and reversion year



# Sale of non-strategic stake in power producer

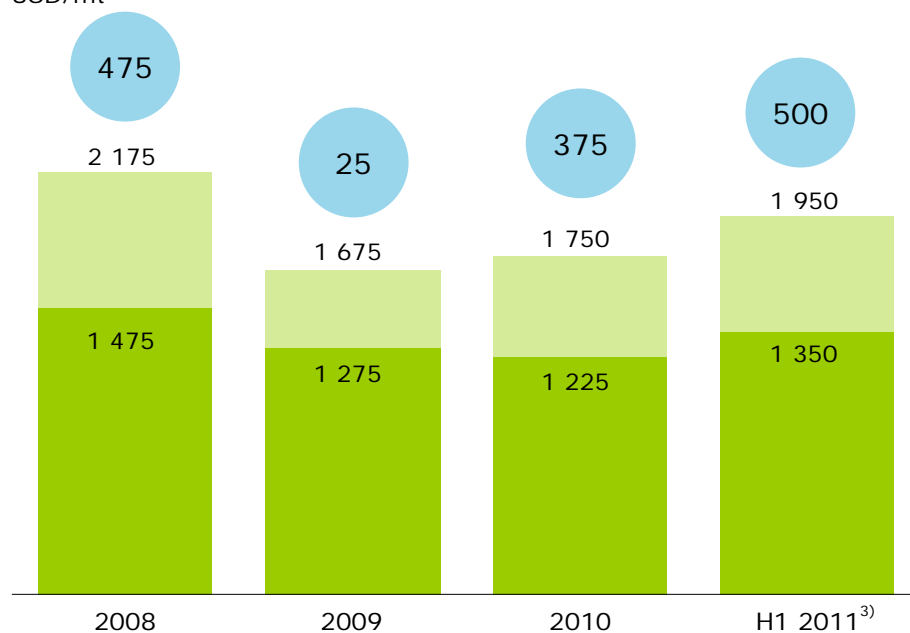


- Divestment of 20.86% stake in Norwegian power company SKS Produksjon to Salten Kraftsamband
- SKS Produksjon production: ~1.8 TWh
  - ~1.5 TWh excluding quota power sold at cost
- No synergies with Hydro's industrial activity
  - Sale does not affect Hydro's ownership of 9.4 TWh of power production in Norway
- Transaction summary
  - Cash consideration: NOK 1.0 billion
  - Q3 results: ~NOK 650 million gain
  - Closing to be completed on July 26, 2011

# Primary Metal improvement program on target

Estimated primary aluminium cash cost and margin

USD/mt <sup>1)</sup>



- Estimated cash cost excluding LME-linked alumina cost <sup>2)</sup>
- Estimated LME-linked alumina cost <sup>2)</sup>
- Estimated EBITDA margin

1) Realized aluminium price minus EBITDA margin per mt primary aluminium. Excludes Qatalum earnings and volumes, but includes net earnings from primary casthouses.

2) 13% of LME 3 month price with 2.5 months delay

3) Albras included from March 1, 2011

- USD 300 per mt cost improvement
  - USD 50 per mt realized in 2010
  - Further USD 125 per mt targeted in 2011
- Cash cost up ~USD 200 from 2010 on raw material cost increases
  - LME-linked alumina prices
  - Energy
  - Petroleum coke
  - Weaker USD
  - Albras included from March 1, 2011
- Significantly improved EBITDA margin

Program assumptions: Higher energy and petroleum coke costs may offset some improvements. Improvements may be influenced by fluctuations in raw material prices and currencies. Applies to ~1 million mt annual capacity.

# Qatalum in full production



- 704 of 704 cells producing from Sep 21
  - 100 000 mt produced in Q2 (100%)
- Annual capacity: 585 000 mt (100%)
  - 50/50 joint venture between Qatar Petroleum and Hydro
- Fully integrated with casthouse, carbon plant, port and storage facilities, and captive power plant
- World-class cost position
  - Cash costs estimated around USD 1 400-1 500 per mt at 2010 market conditions when in full production

# Leading metal products supplier in Europe



The preferred partner in casthouse products and services

**Casthouse production**  
Primary production  
Remelting & recycling  
Commercial agreements



**Extrusion ingot**  
1 550 000 tonnes



**Foundry alloys**  
450 000 tonnes



**Sheet ingot**  
525 000 tonnes

- Growing marketing position in U.S. and Asia through Qatalum volumes
- Enhance value of market system and optimize value on top of LME price
- Strengthen margin management and contribute to improved earnings in primary casthouses
- Capitalize on strong market position through sourcing and trading strategies
- Firm operational LME risk management

# No. 1 flat rolled products producer in Europe

## Packaging & building

Revenues:  
NOK 11.3 billion



## Automotive, heat exchangers & general engineering

Revenues:  
NOK 6.8 billion



## Litho

Revenues:  
NOK 3.7 billion



- World leading positions in high-end products: foil, litho and automotive
- Solid cash generation
- Record results in 2010
- Technology leadership and innovation
- Strategy
  - Margin management and cash generation
  - Focus production system on core assets
  - High-grading product portfolio



# Strong extrusion position in Europe, U.S. and Brazil



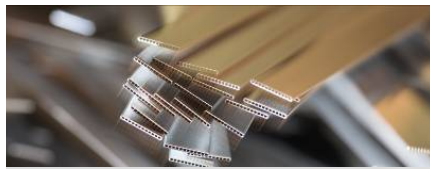
## Extrusion Eurasia

Revenues: NOK 8.8 billion



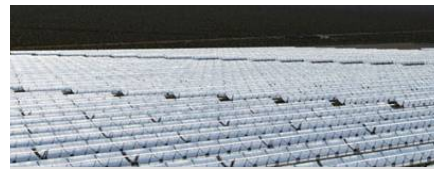
## Building Systems

Revenues: NOK 5.6 billion



## Precision Tubing

Revenues NOK 2.4 billion



## Extrusion North America

Revenues: NOK 2.5 billion



## Extrusion South America

Revenues: NOK 0.8 billion

Strong entrepreneur-ship, management culture and competence

Product innovation through strong customer relations

- Leading position in Europe in Extrusion and Building Systems
- Strong position in the U.S. and Brazil
- Global leader in precision tubing
- Strategy
  - Reinforce European extrusion base
  - Specialist in energy-neutral building solutions, including solar
  - Selective acquisitions
  - Entry into emerging markets
- Operating revenues ~NOK 19.4 billion
- ~9 500 employees

# Strategy for further value creation

## Bauxite & Alumina



- Integrate
- Expand
- Commercialize

## Primary Metal



- Reposition
- Keep solid cash flow in current assets
- Expand in high-class assets

## Energy



- Increase value of business and competence
- Focus on operation and commercialization of current assets
- Implement global approach to power sourcing

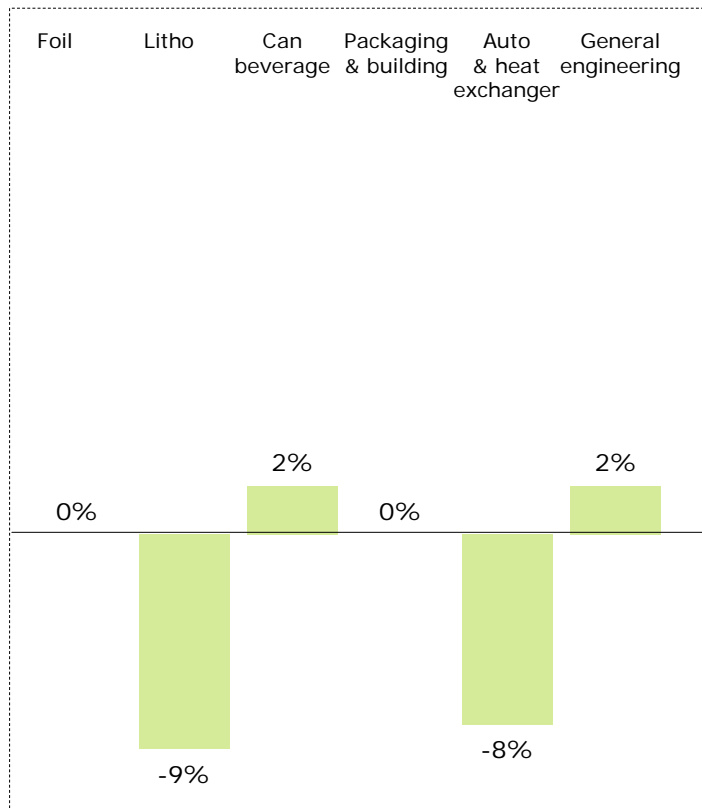
## Mid- and downstream



- Continue proven high-end product strategy
- Pursue profitable life-cycle investments: recycling, energy-efficient building systems, aluminum in transport
- Expand selectively in emerging markets

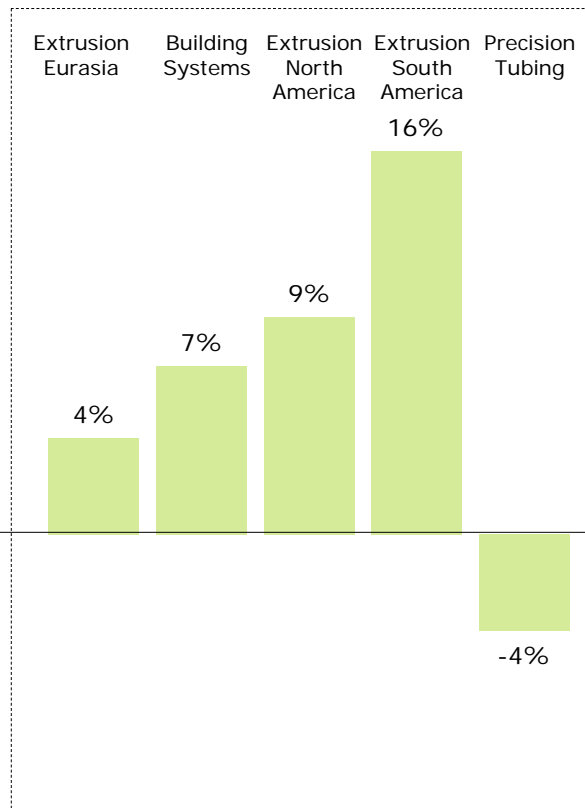
# Fabricated products sales stable

Hydro's fabricated products sales Q2 2011 vs Q1 2011



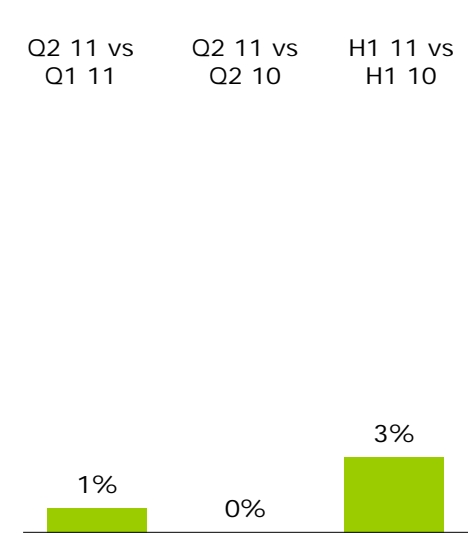
Rolled Products: -1%

Total fabricated products sales



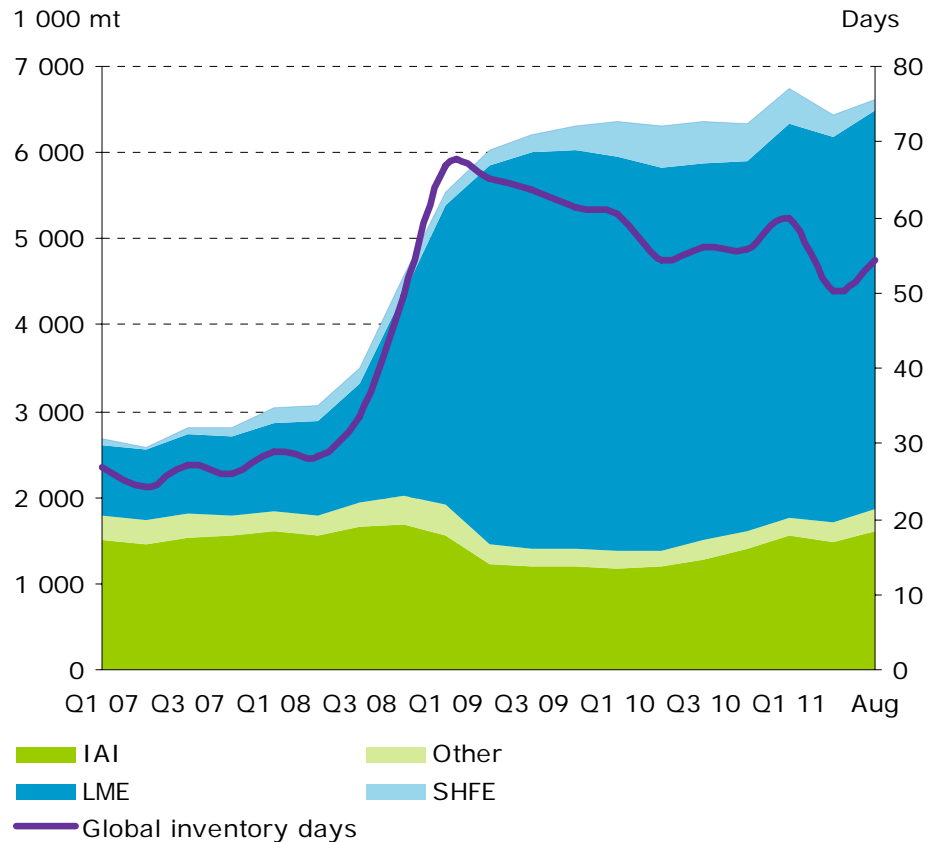
Extruded Products: +5%

Total fabricated products sales



# Global inventory days trending down

World reported primary aluminium inventories

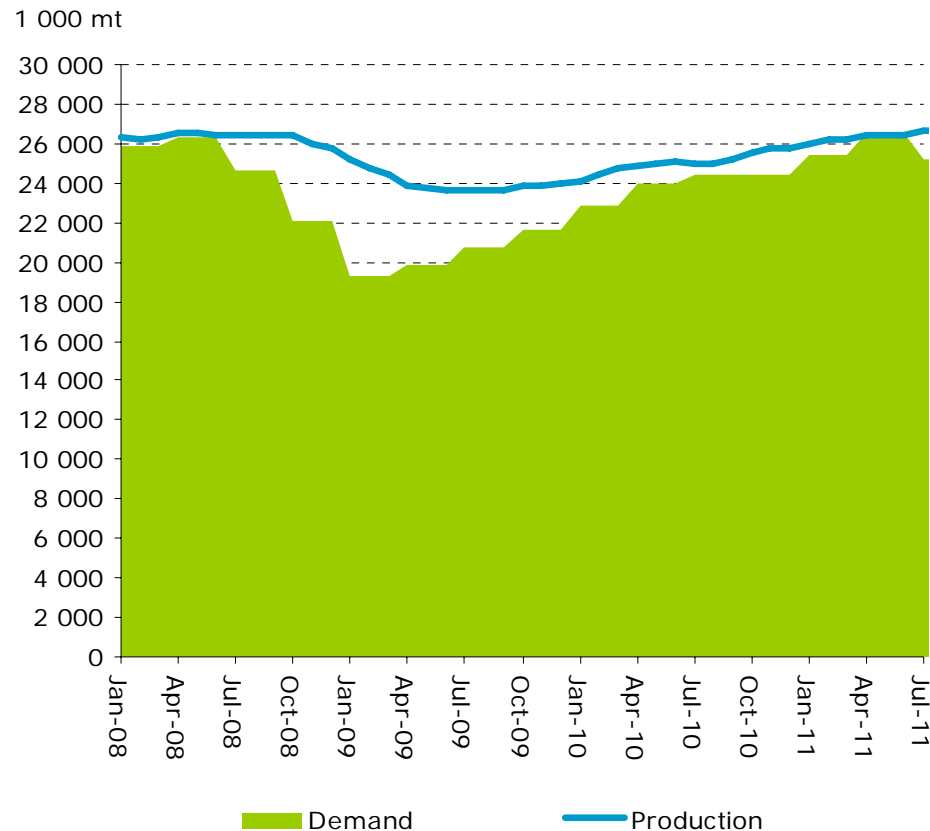


Source: CRU

- Inventory days reduction driven by increased consumption
- High inventories well known in market
  - Different views on unreported inventories
- Estimated total reported and unreported inventories ~11 million tonnes
  - Represents ~3 months of consumption
- Financial deals locking up metal
  - Profitable on a short-term duration

# 2011 market outlook unchanged

World outside China (quarterly annualized)



- Annualized demand at 25.1 million mt in July/August
- ~7% demand growth estimated for 2011
- Capacity development
  - 1.2 million mt curtailed capacity restarted or in process of being restarted
  - 1.3 million mt curtailed capacity may restart if current market conditions continue
- Increased uncertainty due to more volatile macro environment and sovereign debt issues

Source: CRU

# Situation in China



## Primary aluminium

- Annualized demand at 20.2 million mt in Q2
  - Up 20% vs Q1 2011
  - Corresponding higher production
- ~10% demand growth estimated for 2011
- China expected to be balanced in primary aluminium in short to medium term

## Bauxite and alumina

- Quality of domestic bauxite resources deteriorating
- China dependent on bauxite imports, mainly from Indonesia
- China to be relatively balanced in alumina
  - Minor imports



# Priorities 2011

- Successful integration and improved performance in Bauxite & Alumina
- Primary Metal repositioning through USD 300 program and Qatalum ramp-up
- Solid operations with firm cost control and strong market focus

[www.hydro.com](http://www.hydro.com)