Business Area Seminar Hydro Aluminium

Düsseldorf March 18/19 2003





Major acquisitions – new strategic platform

Full range aluminium company

- No. 1 in Europe top three integrated globally
- Complementary product portfolios

Low cost smelter assets in Australia and Canada

Successful integration

- Significant synergies and value creation
- Improved market positions
- Enhanced competence and capabilities

The Innovative Global Force Delivery

Outperform competitors in key market segments

Operational performance excellence

- Benchmark in operation of key technologies
- Ambitious cost reduction and value capturing programs
- Continuous safety improvements
- Strong environmental focus

Turnaround/exit under-performing assets

Leading financial performance among peers



The Innovative Global Force Differentiation

Customer responsiveness

Agile and flexible organisation

Unique portfolio composition



The Innovative Global Force Strategic direction

- Short- and medium term focus: Performance improvements
- Restructure upstream portfolio improve relative cost position
- Leverage value of number one positions mid- and downstream in Europe also globally

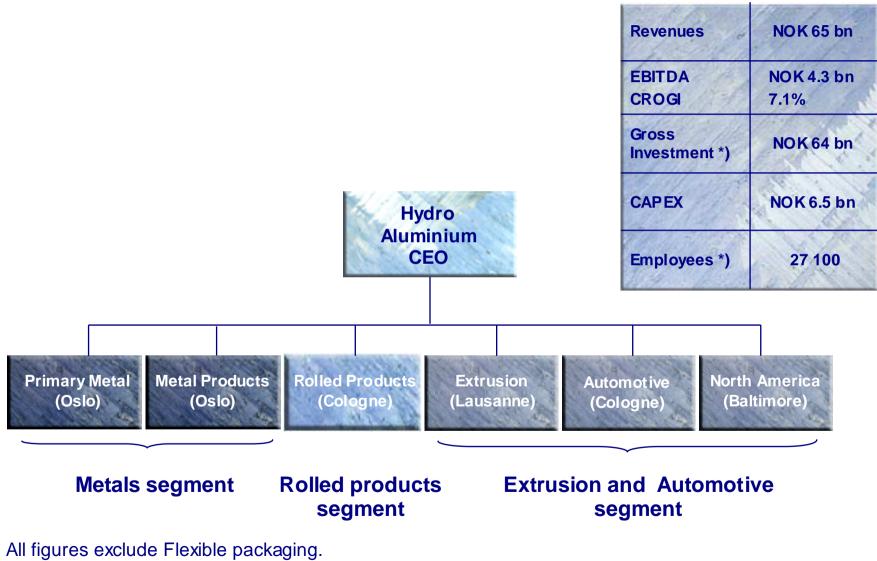


Our value chain





Hydro Aluminium 2002

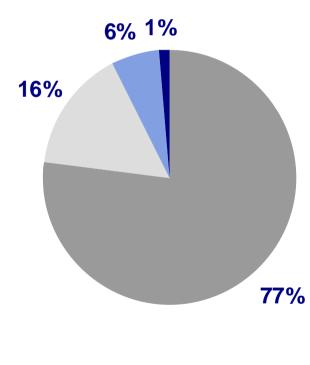


* Gross Investment and employees by 31.12.2002

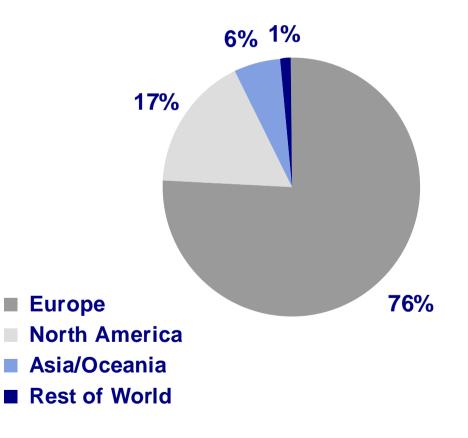


Geographical presence 2002

Revenues per Continent Total NOK 65 billion



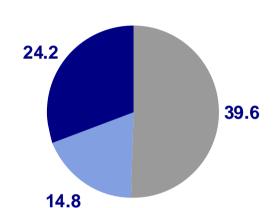
Employees per Continent Total 27 100 employees



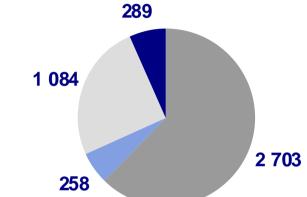


Segment split 2002



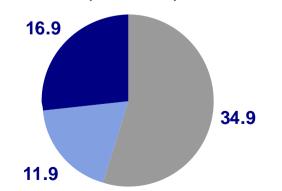






Gross Investment (NOK million)

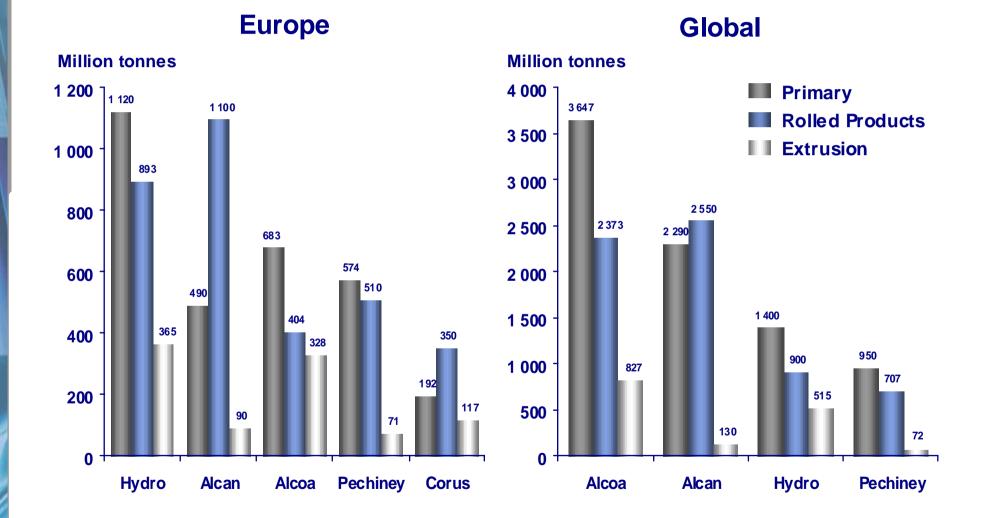
(31.12.2002)



Metals
Rolled Products
Extrusions and Automotive
Eliminations

No. 1 in Europe – top three integrated globally

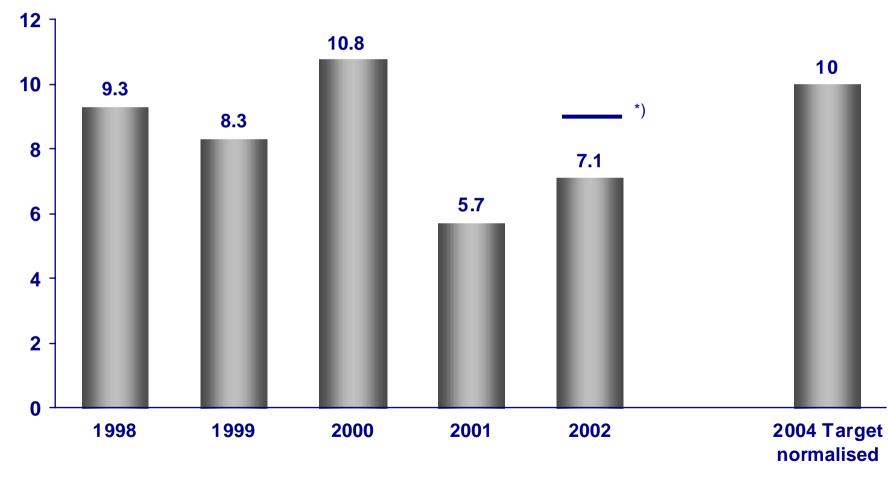
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Source: CRU. Hydro Aluminium full year (proforma). Production volumes 2002. 41569_1 - 03.2003 - * 10 - Hydro Media

CROGI – our main challenge

CROGI 1998 – 2002: Actual prices Percent



* With normalised LME-price (1 500 USD/tonnes) and 8 NOK/USD

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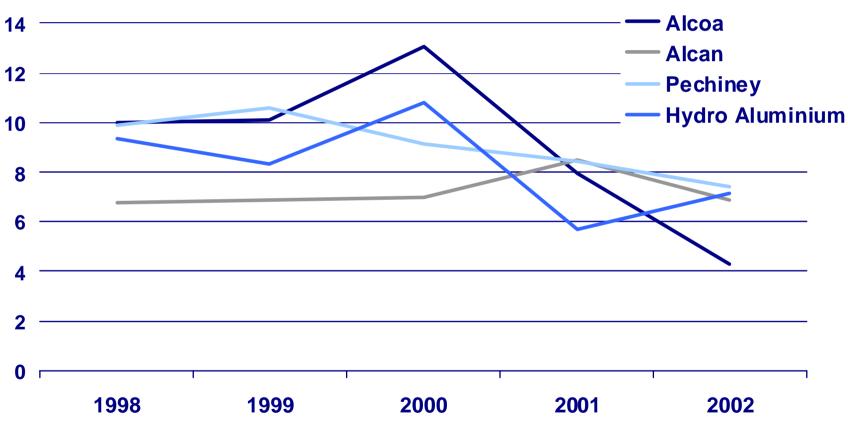
Aluminium industry affected by general economic downturn

CROGI proxy *)



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* EBITDA less actual tax/Average Gross investment. Calculated proxy where needed to get comparable figures. Calculated tax for Hydro Aluminium. Source: Company reports. Hydro Aluminium 41569_1 - 03.200

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Improvement program on track



Restructuring and rationalization costs (NOK million)				
	Realized		Remaining	Total
	2001	2002	Estimate	
Magnesium	700	-10	24	714
Aluminium	-	300 *)	370	670

Workforce and cost reductions relative to 2001.

* Of which NOK 89 million charged to VAW opening balance.



Rolled products shipments

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Annual change Annual change in percent in percent 8 8 7.4 6 Hydro 6.0 Hydro Hydro 4.2 3.9 3.0 2 2 2.3 0.5 0 -2 -3.2 -4.4 **Hydro** -6 1995-1999 2000 2001 2002 2003E 1995-1999 2000 2001 2002 2003E

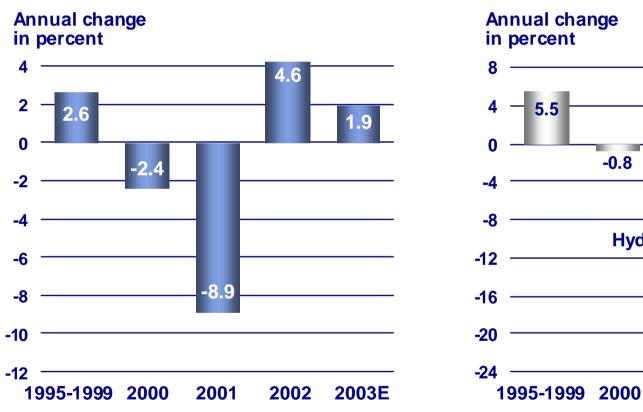
Extrusion shipments

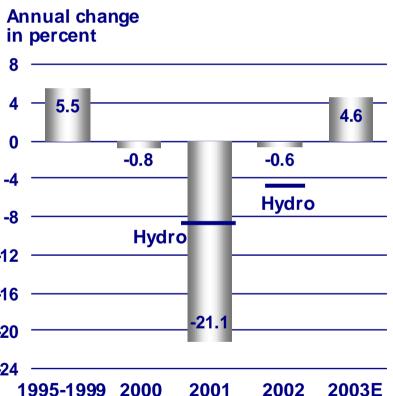
Source: EAA. Hydro Aluminium incl. VAW and Technal proforma 2001 and 2002 41569_1 - 03.2003 - * 14 - Hydro Media

US Truck market hit our total position in 2002

Rolled products shipments

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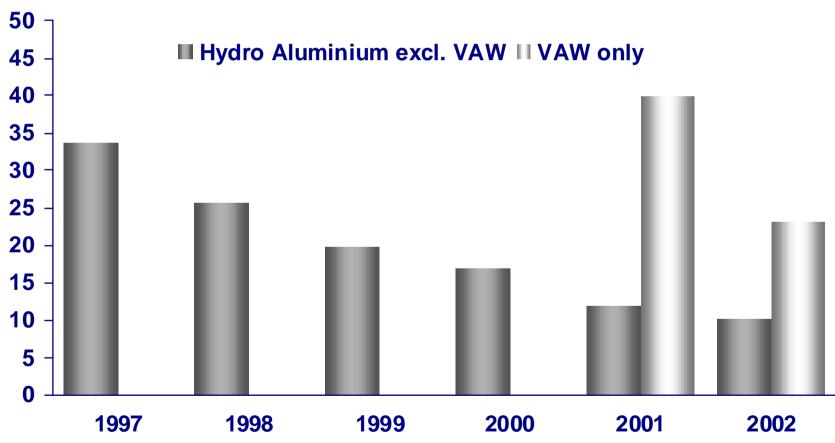
Extrusion shipments

Source: CRU. Hydro Aluminium incl. VAW proforma 2001 and 2002

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Continuous safety improvements

Total recordable injuries per million worked hours



Differentiation

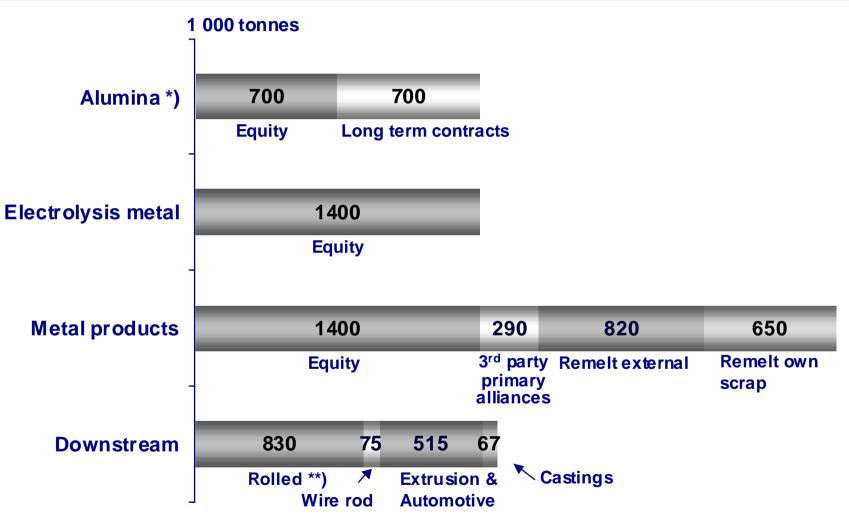
Customer responsiveness

- Tailored offering to customer needs
- Innovative business solutions

Agile and flexible organisation

- Agile organisation with local accountability
- Mirror our customers:
 - Local business model in extrusion in a global network
 - Local/regional model in Metal Products
 - Global business model in Automotive
- Efficient systems for best practice sharing and performance review
- Culture of openness and dialogue
- Unique portfolio composition

A different portfolio composition



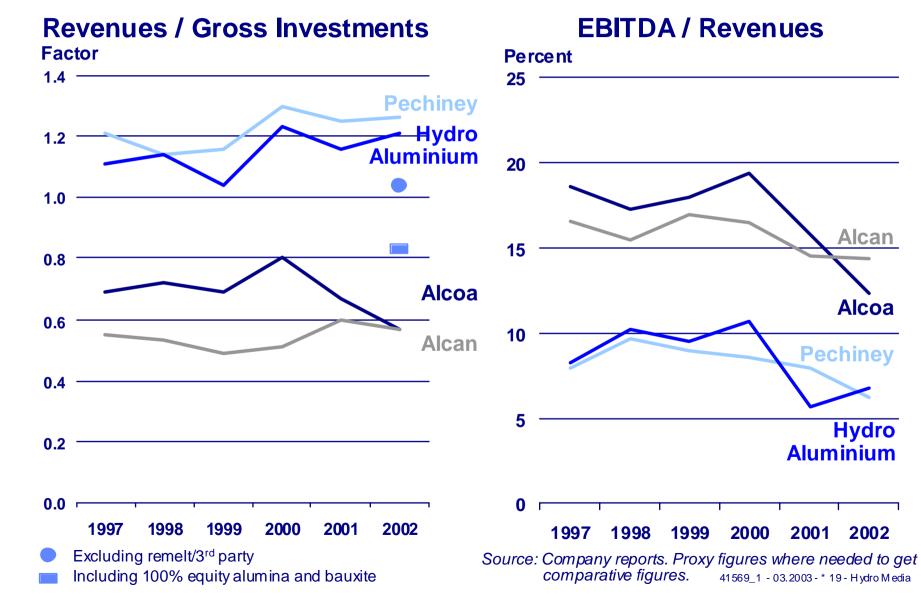
Proforma full year figures 2002

- * Aluminium equivalents (2 tonnes alumina per tonne aluminium) ** Flat rolled products only

A different portfolio composition and business model: Higher capital turnover

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A higher capital turnover based on strategic choices and business strengths

Short in alumina

- Long term supply contracts
- Low cost equity production in Alunorte

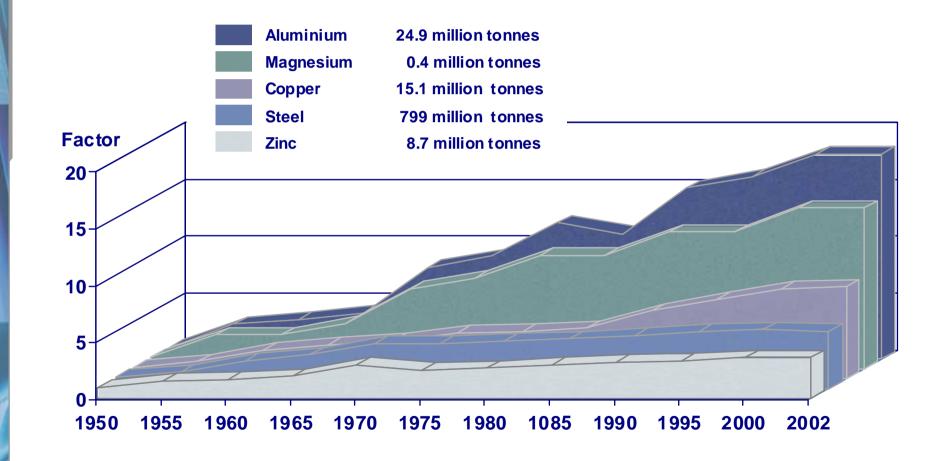
Leadership in Metal Products

- Continue to have an active remelt/recycling strategy
- Source and sell major volumes to third parties on margin basis

Superior business model in Extrusions

- Continue to have a larger share in extrusion than competitors
 - Extrusion business less capital intensive

Historically aluminium and magnesium growth has outperformed other materials

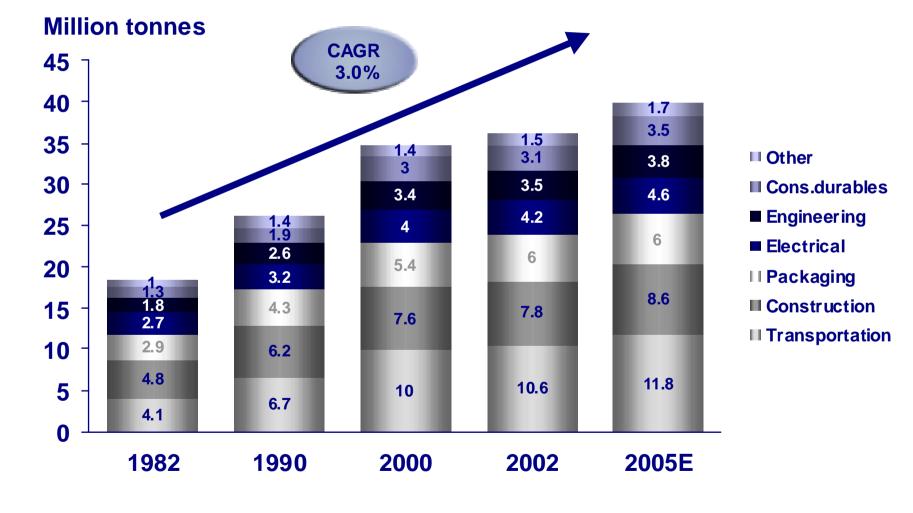


Source: CRU, World Metal Statistics, International Iron and Steel Institute, International Magnesium Association

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All segments growing steadily

Aluminium demand development



Source: James F King; Brook Hunt

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Key elements in Hydro Aluminium's strategy

1. Improve global cost position upstream



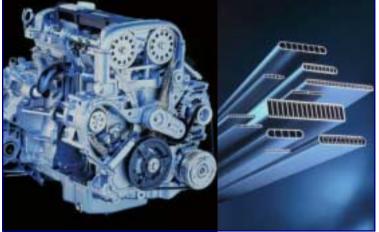
3. Performance focus and selective growth outside Europe mid- and downstream



2. Strengthen leadership in European mid- and downstream



4. Performance focus and selective growth in global automotive



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Key elements in

Hydro Aluminium's strategy

- 1. Improve global cost position upstream
- Secure low cost alumina, optimise portfolio
- Restructure primary, focus low cost brownfield to improve cost/ton

- 2. Strengthen leadership in European mid- and downstream
- European leadership in Metal Products assets in place
- Enhance Extrusion's leading position
 - More fabrication. Quality/customer focus
- Expand leadership in Rolled Products' key segments

Cost improvement. Asset utilization

- 1. Performance focus and selective growth outside Europe mid- and downstream
- Priority # 1: Leverage European knowhow to significantly improve performance in North America
- South America selectively grow extrusion business
 - Asia gradually expand current operations

- 4. Performance focus and selective growth in global automotive
- Priority # 1: Improve performance
- Pursue growth in Precision Tubing
- Focus involvement in Structures
 - Casting performance improvements



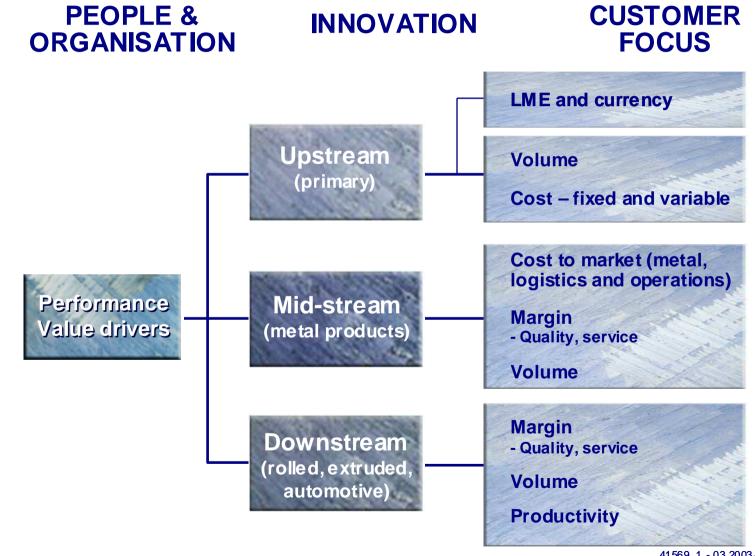
Summary

- Short term fragile market outlook
- Long term attractive industry
- Bottom line focus, self help measures
- Differentiation customer responsiveness, organisation, portfolio composition
- Clear strategic direction capital discipline

Financial performance



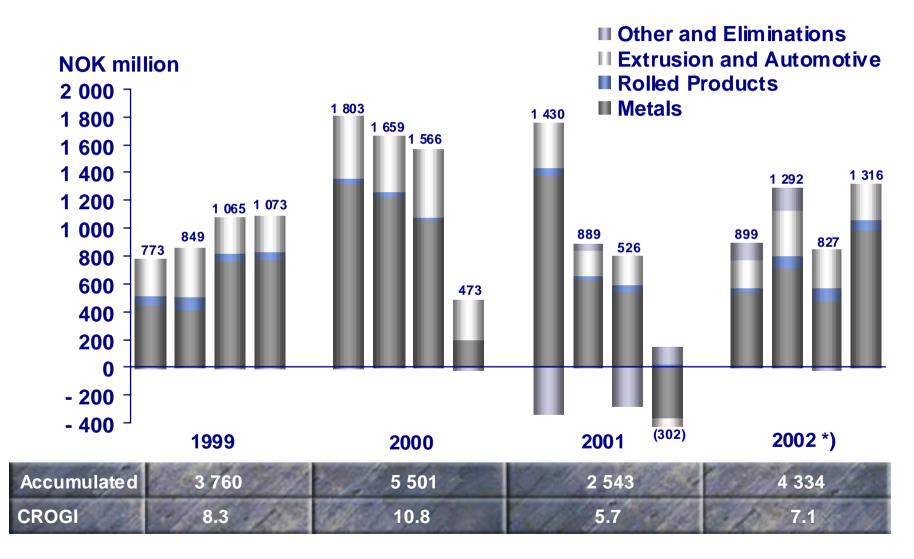
Value drivers along the value chain



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EBITDA recent years by quarter



* VAW included from 15.03.02

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Variance analysis 2002

Hydro Aluminium excluding new business

NOK million	2002	2001	Change						
EBITDA	4 334	2 543	1 791						
New business (VAW, Technal)	(2 485)		(2 485)						
Restructuring & rationalisation	90	760	(670)						
Infrequent items *)	1 024	424	600						
2001 losses on aluminium options	and the second s	545	(545)						
Adjusted EBITDA, ongoing operations	2 963	4 272	(1 309)						
Margin Volume Fixed costs Trading and hedging Unrealized LME effects		NOK million							
		(2 320) 250 320 450 110							
					Other		(119)		

(1 309)

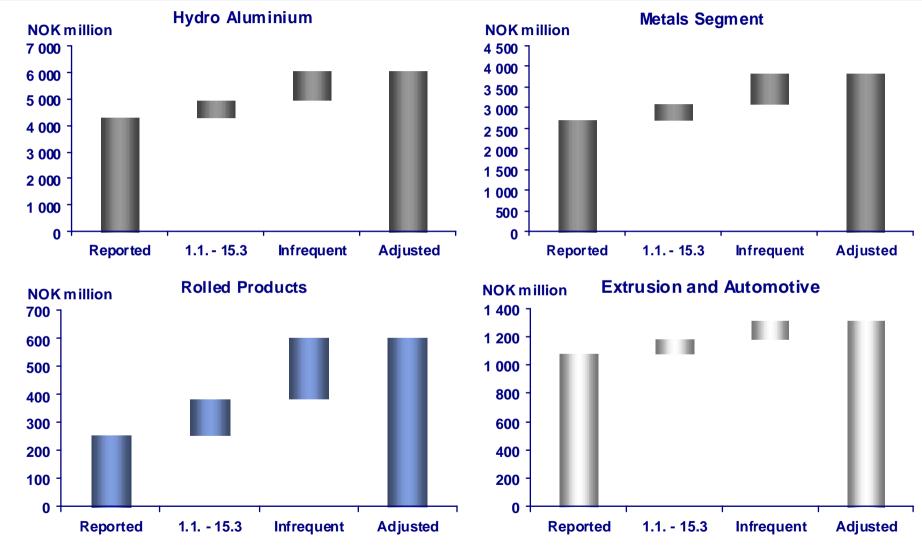
Total change in adjusted EBITDA

 2002: Alunorte accounting loss on currency (NOK 460 million), integration (NOK 156 million), inventory valuation (NOK 170 million)

2001: Alunorte accounting loss on currency (NOK 159 million), write down Porsgrunn (NOK 261 million)

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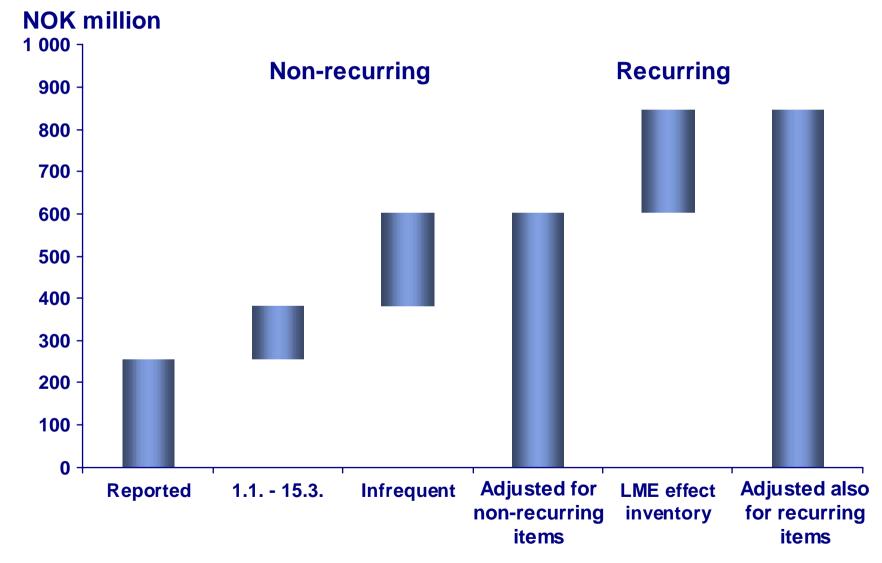
Adjusted EBITDA 2002 *)



* Adjusted for restructuring, infrequent items and VAW full year. 01.01 – 15.03 calculated based on average for rest of the year (divided by 9.5 months, multiplied with 2.5 months) 41569_1 - 03.2003 - * 30 - Hydro Media

Rolled Products adjusted EBITDA 2002

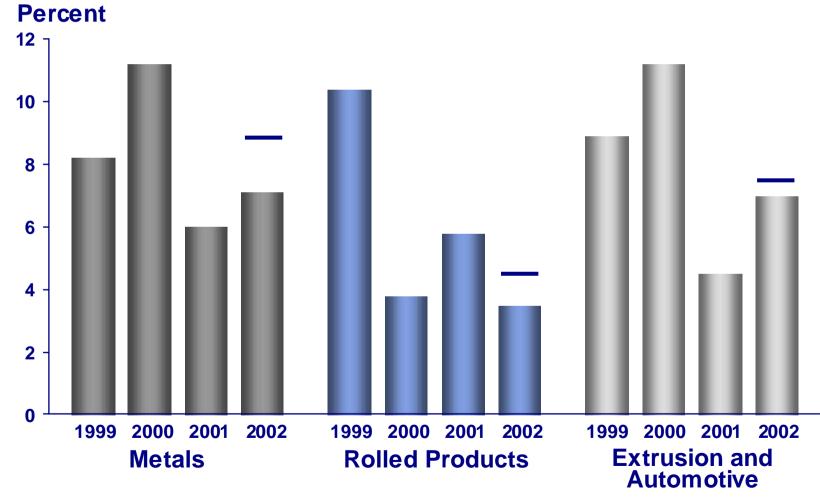
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CROGI 1998 - 2002

Actual prices



Excluding infrequent items and annualised VAW

Impact of 20-50% owned ventures in Hydro Aluminium's account

General Rule: "One line" consolidation *)

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 Excluded from operating income but included in EBITDA

Non-consolidated investees

AluNorf	50.0%
AOS	50.0%
Søral	49.9%
Meridian	49.0%
Alunorte	34.0%
Hamburg smelter	33.3%

Exceptions: Pro-rata consolidation

- Hydro Aluminium's share of revenues, expenses, assets and liabilities recorded to respective lines
- US GAAP only allows in special cases

Joint Ventures

Alouette		20.0%

• Tomago 12.4%

Strongly impacted by

 Unrealized currency loss of NOK 460 million in 2002 on USD Ioan in Brazilian company, Alunorte (NOK 159 million in 2001)

* Hydro Aluminium's share of net income is included on line "Equity in net income of non-consolidated investees" and its share in net assets is under "Other assets". 41569_1 - 03.2003 - * 33 - Hydro Media

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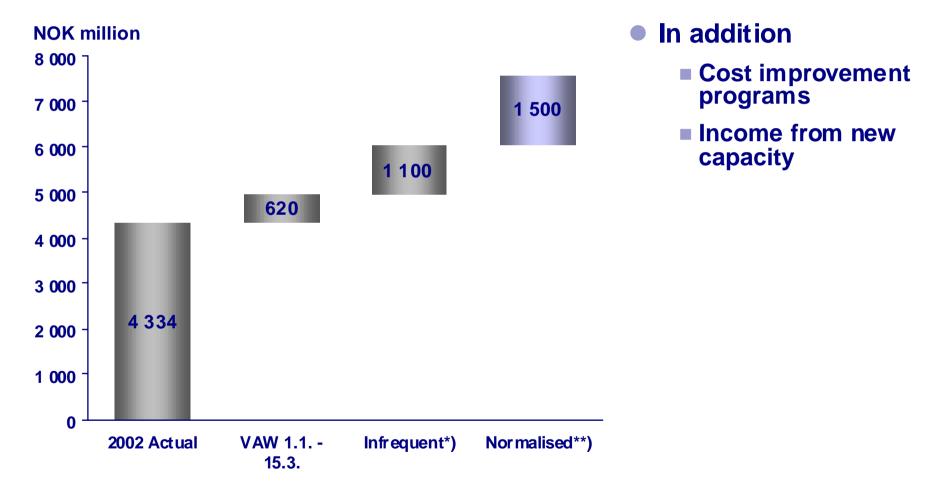
Risk management

- Primary Metals revenues fully exposed to LME price volatility
- Primary Metals costs fully exposed to currency risks
 - Mitigation of LME and currency risks related to Sunndal 4 project
- Mid-and downstream exposure to LME and currency on metal supply hedged back-to-back

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Closing the gap to 2004

EBITDA



* S,G&A-demanning cost, VAW-integration cost, Alunorte currency accounting loss, inventory adjustments ** LME 1 500 USD/tonne and 8 NOK/USD 41569_1 - 03.2003 - * 35 - Hydro Media

Improvement program on track



Restructuring and rationalization costs (NOK million)				
	Realized		Remaining	Total
	2001	2002	Estimate	
Magnesium	700	-10	24	714
Aluminium	-	300 *)	370	670

Workforce and cost reductions relative to 2001.

* Of which NOK 89 million charged to VAW opening balance.

Examples value capturing 2002

- Successful best practice sharing improved operational performance
 EUR 5.7 million realized
- Consolidation of procurement activities spare parts and supplies
 - EUR 10.5 million achieved
- Safety improvements in Rolled Products
 EUR 0.7 million achieved
- Reorganisation and consolidation of support functions in North America
 EUR 1.3 million realized

Capturing full value of larger scale

- Optimising production systems, including plant closures
 - Porsgrunn Magnesium (N) *)
 - Moultrie (US)

- Bromyard (UK)
- Ellay Enfield (US)

500 employees 121 employees 30 employees 11 employees

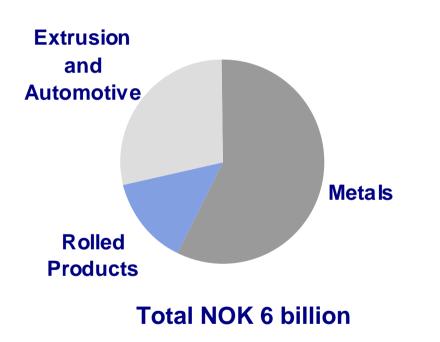
- Streamlining Sales, General and Administration processes
 - So far 700 employees (12 offices closed)
 - Additional 500 employees in 2003
 - Integration of technology organization 45 employees





Upstream expansion to improve unit costs

Planned CAPEX 2003



- 2003 & 2004: NOK 6 billion
 - Increasing scale of primary production (Sunndal, Slovalco, Alunorte, Alouette)
- CAPEX 2005 forward:
 - Will depend on market and performance
 - NOK 2 3 billion needed to serve current capacity
- Active portfolio management

Performance going forward

- Improvement programs on schedule with further increased ambitions
- Delivery on new capacity investment programs
- Organisation committed to value creation

Sensitivities Hydro Aluminium

NOK million

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Price sensitivity	Pre tax	Post tax	Change
LME price sensitivity	830	580	\$100 increase

USD sensitivity *)		_	
USD sensitivity	1 650	1 160	1 NOK increase
EUR sensitivity			
EUR sensitivity	420	300	1 NOK increase

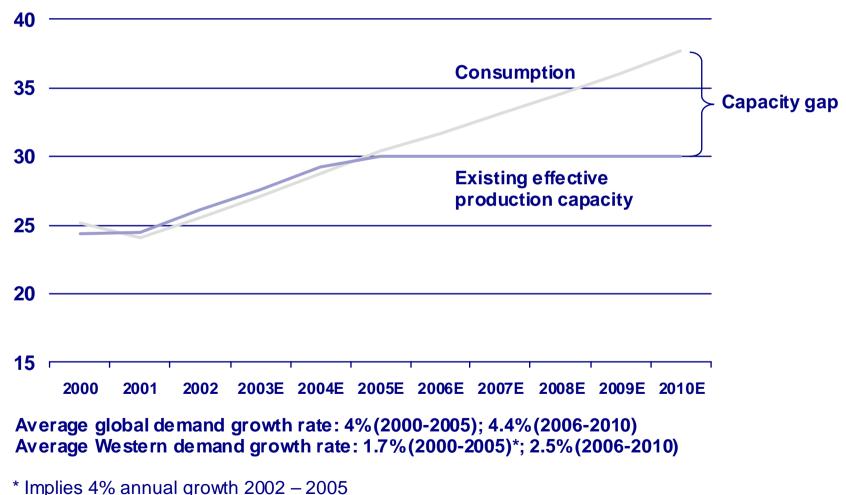
All sensitivities are calculated using the normalized price assumptions as basis.

* USD sensitivity estimates assuming USD/NOK changes, all other currencies fixed against NOK

Primary metal Demand and supply outlook Performance and strategy



Global Primary metal balance 2000 - 2010

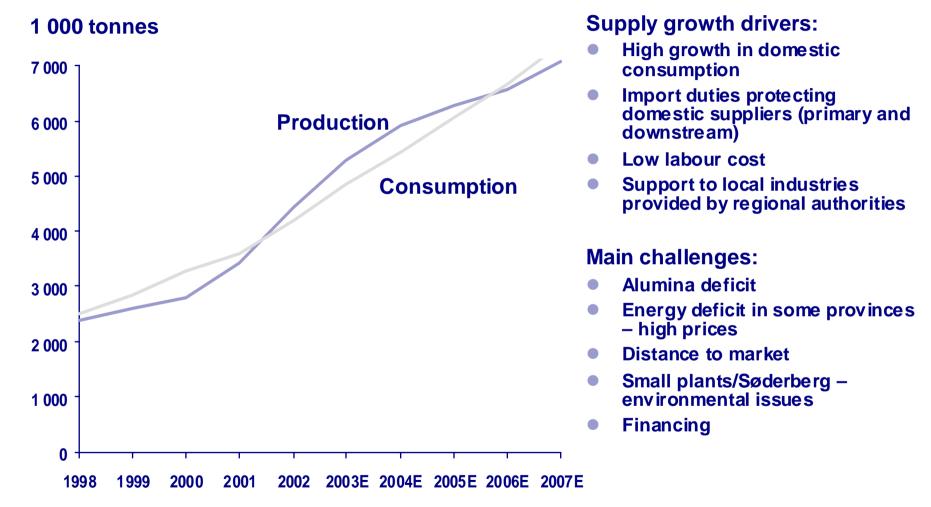


Million tonnes

Sources: Brook Hunt. Hydro Aluminium estimates

China – primary metal balance

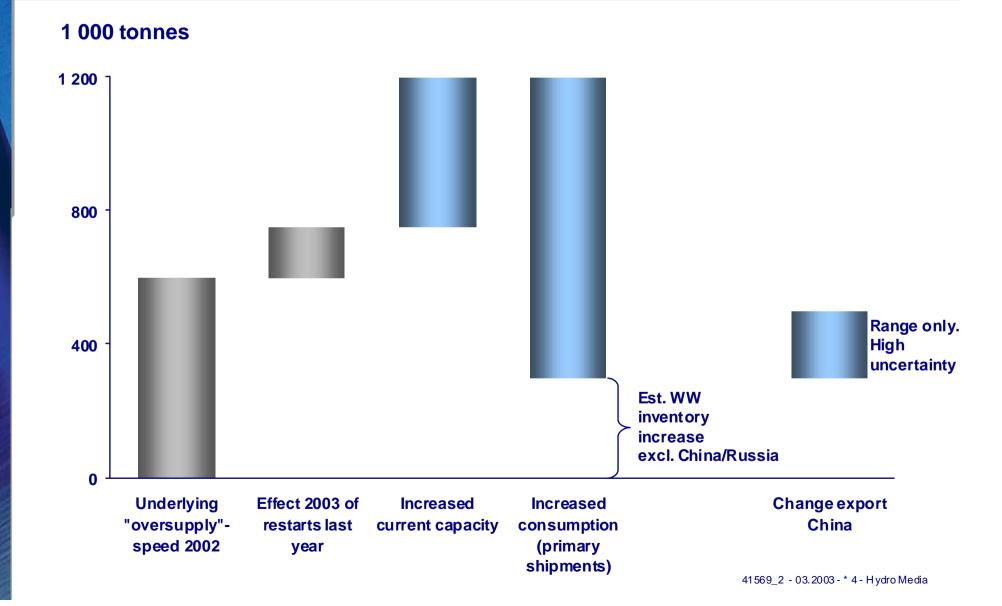
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Decision made by central government to close down inefficient and polluting Søderberg capacity due to environmental legislation. This measure is expected to take away around 1 million tonnes between 2003-2007 (200 000 tonnes per year in 2003 and 2004, 300 000 tonnes per year in 2005 and 2006). Source: CRU. Hydro Aluminium

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Estimated change in supply to Western World 2002 – 2003



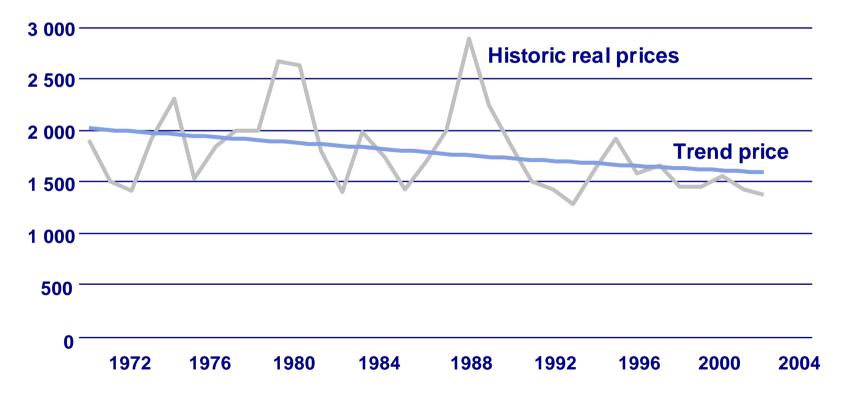
Volatile price - long term falling trend

Aluminium real term price trend

Prices 1970 – 2002 deflated by US PPI Real price decline -0.8% per year

LME 3 months 2001 USD/tonne

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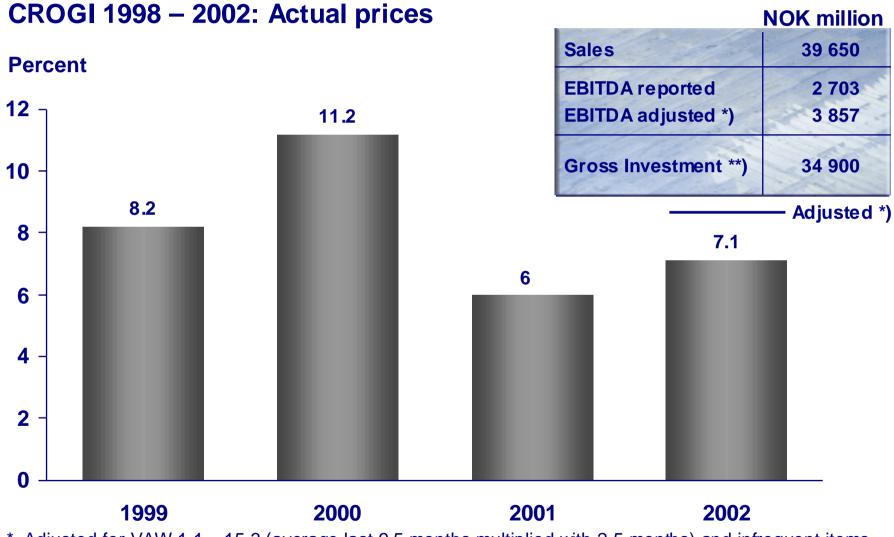
Market outlook

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- Short-term fragile
 - Economic situation
 - Temporary short-term "oversupply"
 - E.g. China exports, brownfield projects
 - Prices expected to remain under pressure
 - Idle capacity in the US expected to stay idle
- Long-term improved attractiveness
 - Solid growth in consumption
 - Potential supply constraints
 - Industry restructuring expected to improve
 - Aluminium competitiveness
 - Potential for higher earnings

Metals Segment: CROGI

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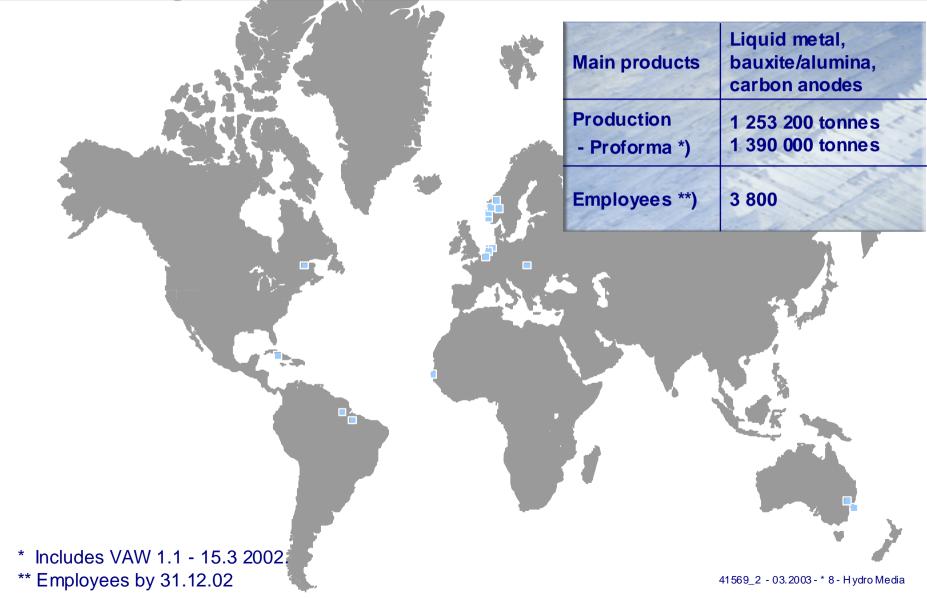
* Adjusted for VAW 1.1 – 15.3 (average last 9.5 months multiplied with 2.5 months) and infrequent items.

** Gross Investment by 31.12.2002

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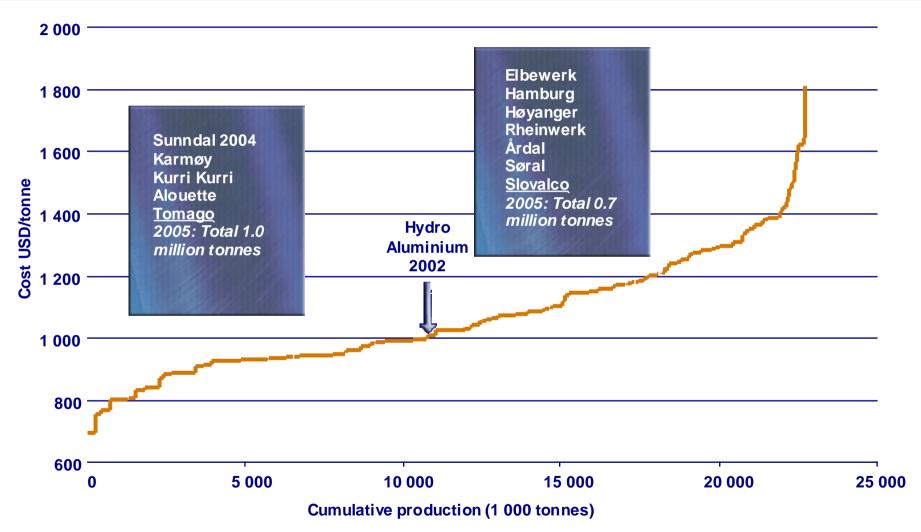


Primary Metal





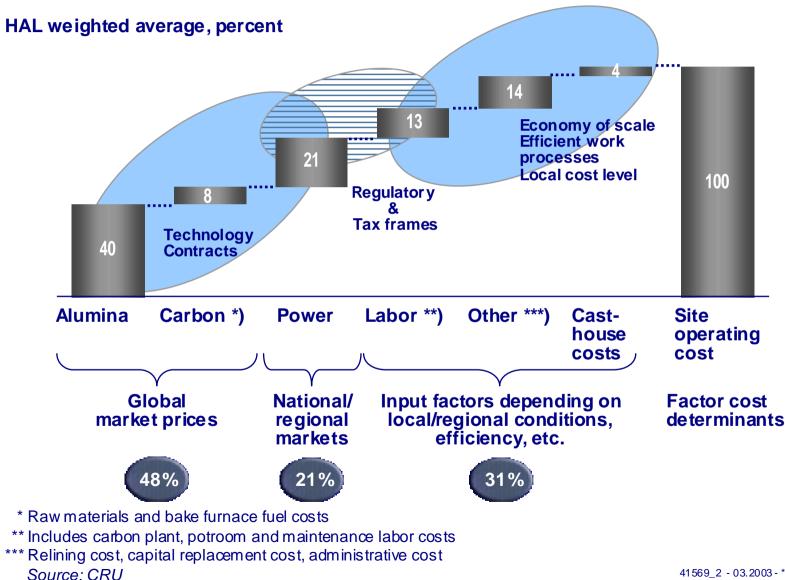
Smelter cost curve 2001



Operating cost includes liquid metal cost, casthouse cost, casting losses, site overhead cost, freight cost, interest on work in progress, margin cost and head office cost. VAW included in Hydro Aluminium's figures Source: CRU. Hydro Aluminium estimates 2002 41569_2 - 03.2003 - * 9 - Hydro Media

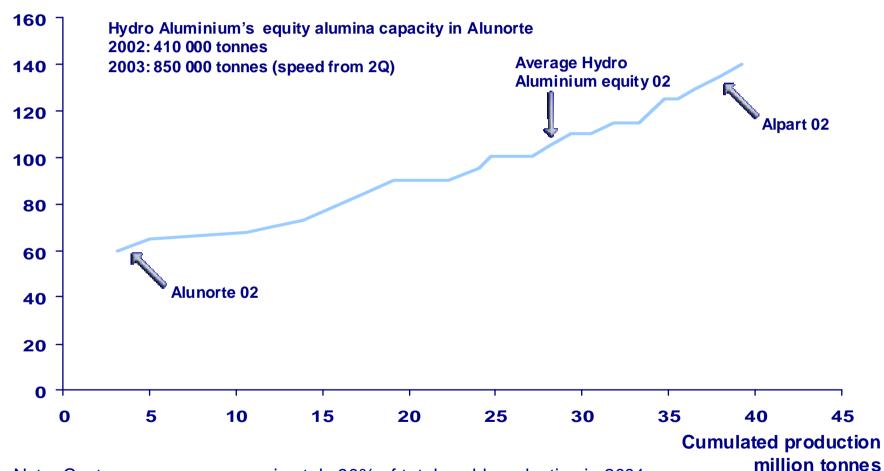
Breakdown of Primary Metal average site operating cost position

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Alumina cost curve 2002

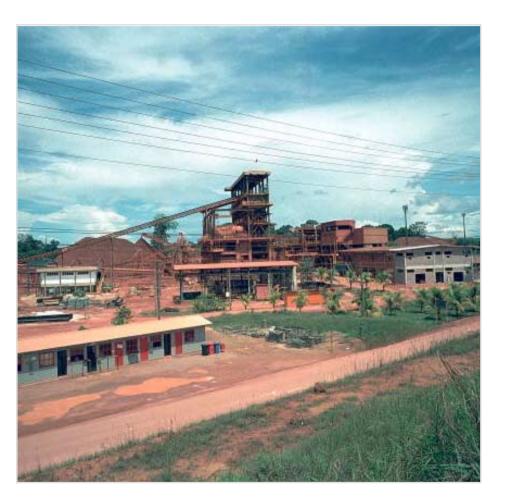
Conversion cost *) USD/tonne



Note: Cost curve covers approximately 90% of total world production in 2001. * Conversion cost excluding cost of bauxite. Source: Hydro Aluminium estimates

Alunorte 2002

- Production: 1.64 million tonnes
- Lowest conversion cost worldwide: 62 USD/tonne
- Optimal alumina quality for our smelters
- Strong safety performance
- High environmental and Corporate Social Responsibility standards



Alunorte expansion 2003 Highest asset productivity globally

Expansion by 800 000 tonnes, to 2.5 million tonnes/year

- On schedule (time, cost)
- Full production from May 2003
- Hydro Aluminium's total equity increased to 34% (from 25.3%)
- Hydro Aluminium's investment: USD 130 million
 - Alunorte: USD 310 /tonne
 - Typical brownfield: USD 400 – 600 /tonne
 - Typical greenfield : USD 800 – 1 000 /tonne

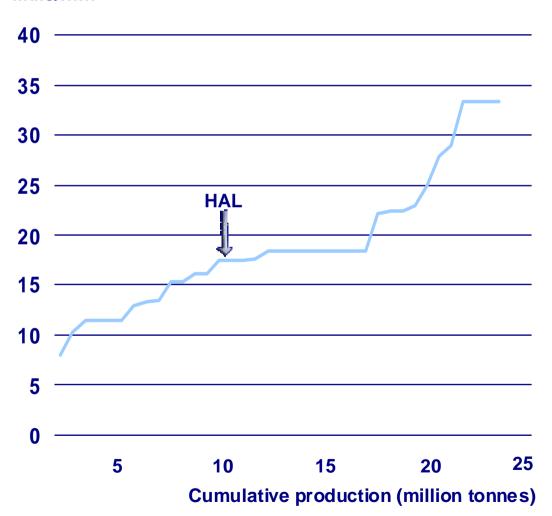


Energy cost curve 2002

Mills/kwh

Marginal spot exposure in Norway

- Long term contracts
- Mostly based on Hydro's captive production
- Exposure in Germany some years ahead
 - Market liberalisation
 - Eco-taxes. Emission trading
- No spot exposure in Canada and Australia
 - Long term contracts



Sources: CRU. Hydro Aluminium estimates 2002

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Sunndal expansion (1)

Total investment:

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- USD 750 million (ex Carbon plant)
- Production increase:
 - From 156 000 to 329 000 tpy
 - Incl. closing 66 000 tonnes
 Søderberg
- Hydro HA 250 kA technology
- Environmental benchmark
 - Low emissions: 0.15 kgF/t Al
 - Energy efficiency: 13.0 kWh/kg Al





Sunndal expansion (2)

Competitive investment:

- USD 3 100 per tonne Aluminium
- Stepwise construction/ start-up
- 16 months from construction to first metal
- Productivity increase:
 236 > 570 tonnes/man-year
- Forward sale 496 000 tonnes 2003 – 2007 evenly spread, at USD 1 500 per tonne and NOK 9.3 per US dollar



Priorities Primary Metal

- Delivery (operational):
 - Cost reductions
 - Best practice sharing
 - Low capital intensive capacity increases
- Direction:

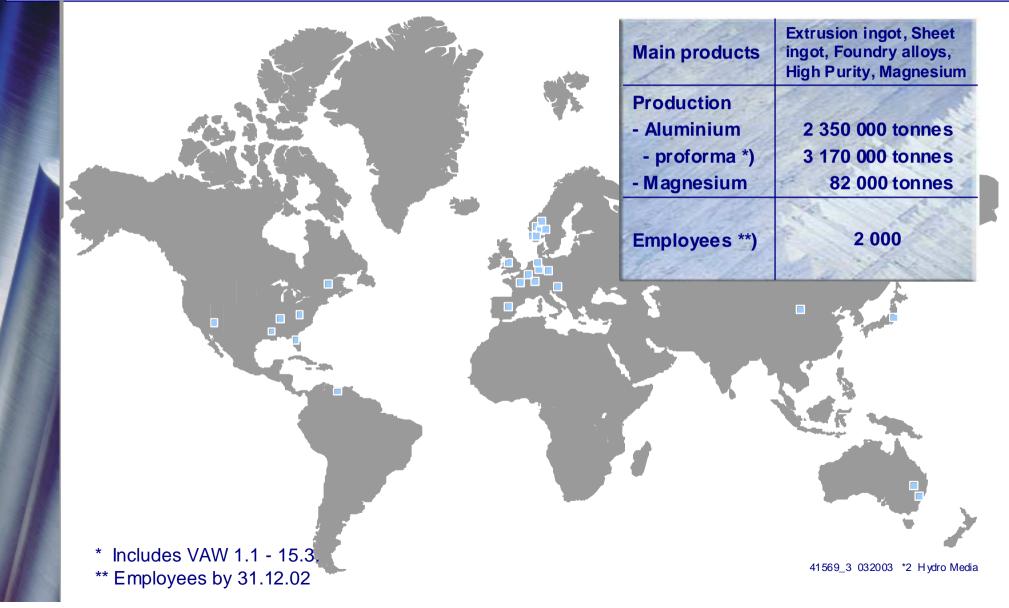
- Improve relative cost position in production
- Portfolio improvements
- No greenfield projects

Metal Products



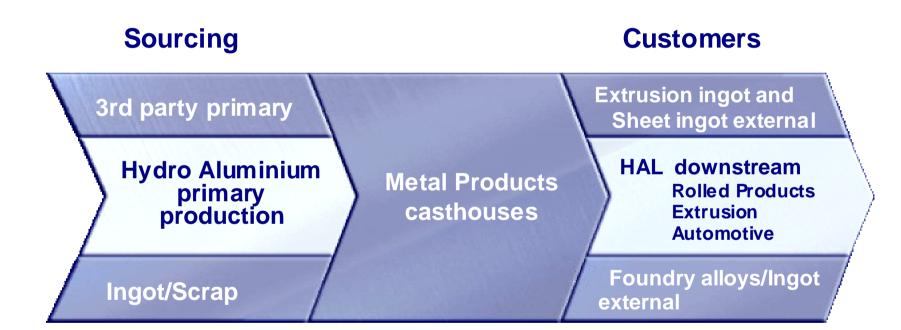
Metal Products - 2002

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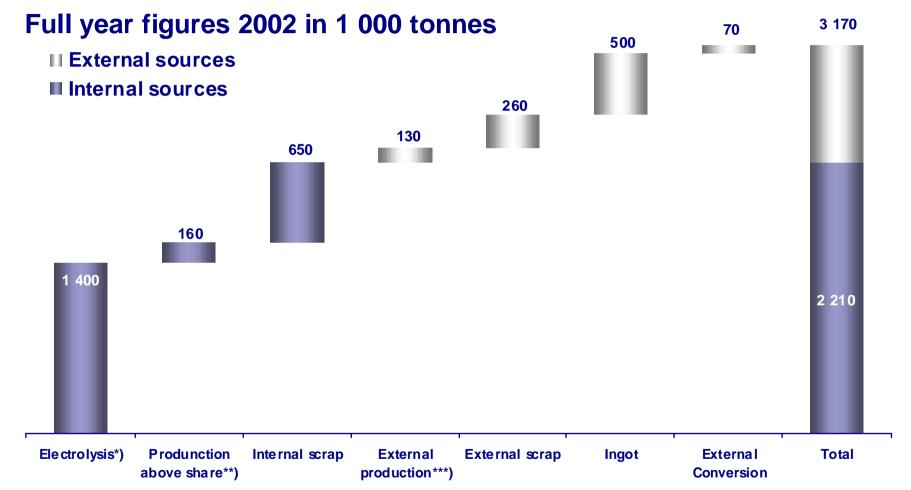


Metal Products



Scope of Metal Products

Metal Products physical volumes



- * At fully owned plants and minority equity stakes
- ** Slovalco and Hamburg

*** Non-equity strategic agreements (Talum, Goldendale, Aluar, Sayansk and others)

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Metal Products differentiation – Business model

Separate casthouse sector creates values through:

- Better asset utilization than traditional aluminium plants
- Metal Supplier Concept: Remelters and third party products supplement smelter-based casthouses giving full product coverage through a multi-sourcing system taking care of customer scrap
- Optimise and spread best practice across a larger casthouse system
 - Operational improvements
 - Lower cost

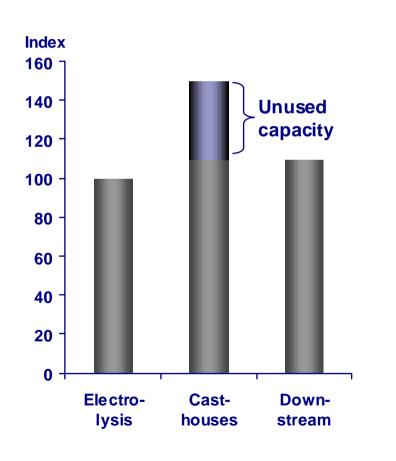
 Create tailored value-added solutions for the metal products market

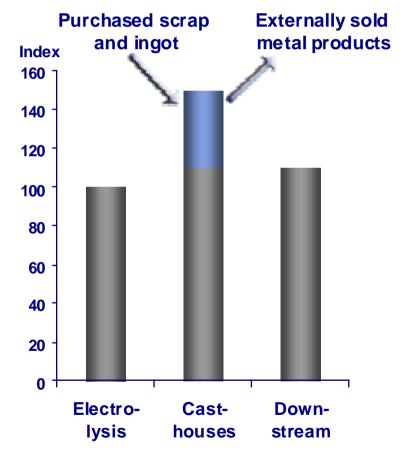
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Better overall asset utilization

Asset utilization in traditional aluminium company

Target asset utilization in Hydro Aluminium



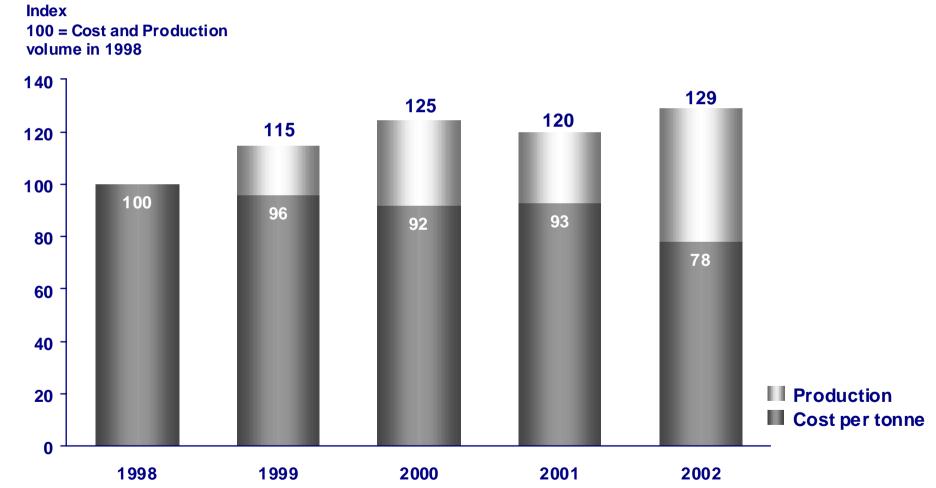


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Optimising casthouses Increased volume and lower cost in operations

Karmøy ~196 000 tonnes per year

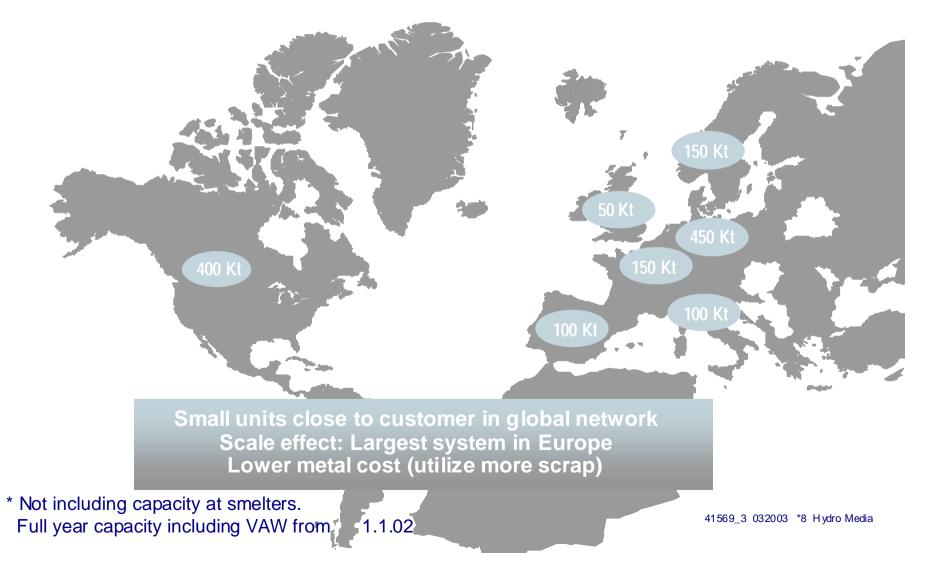


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Remelting capacity close to customers

1.5 million tonnes total remelting and recycling capacity in 2002 *)

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Metal Supplier Concept example: Long term agreement with RusAl

Hydro Aluminium contributions
Melt treatment & casting technology
Operational know-how
Hydro Aluminium benefit
All extrusion ingot output marketed by Hydro (80 000 tonnes)
Schedule
Production start up 4Q 2003
Phase 2 2004/2005
Additional potential (80 000 tonnes)

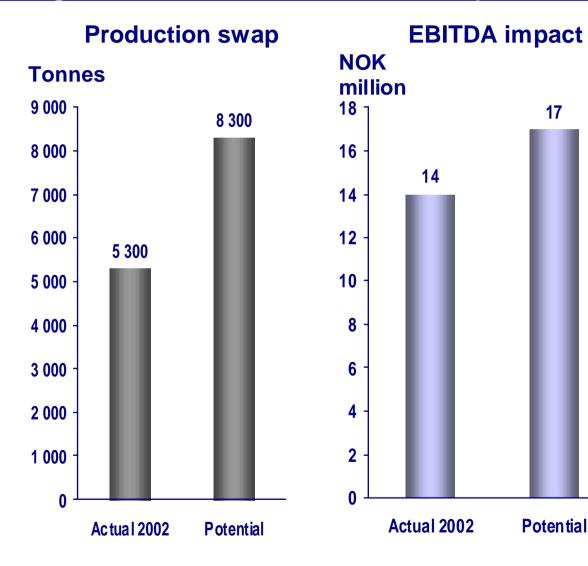
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Optimising casthouse system after VAW acquisition

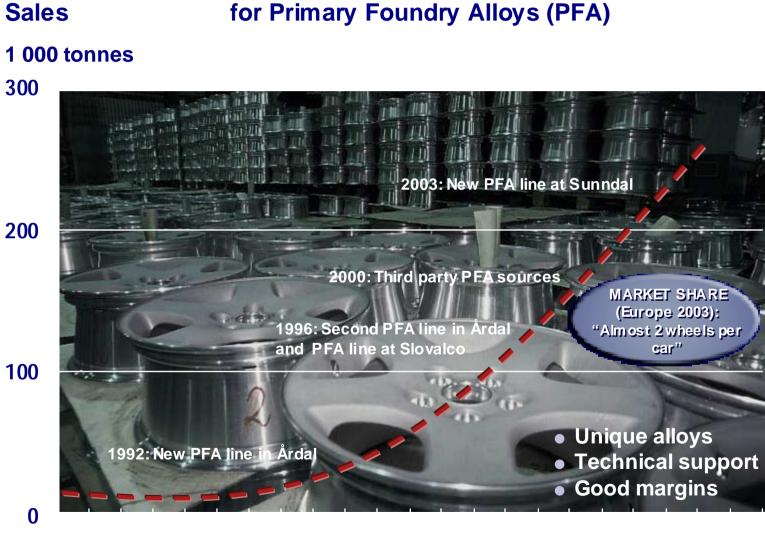
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 Litho quality sheet ingot in former VAW reallocated to Årdal

 Better suited for Årdal than previous product portfolio, reducing need for maintenance

Creating tailored value added solutions



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The value of Hydro Billet Plus

"Hydro Billets Plus with its service concept is a valuable tool to assist Profilgruppen in optimising the production system and to better understand the commercial risk in the market. Assistance to understand our LME exposure, establish routines to minimize this exposure and to better utilize opportunities when buying billets has been of great value to us."

	Hydro Aluminium				@	
	Buskmarks	Orders & Contracts	Commercial Services	Technical Sepre	1	
ed in as: Kindazon, Puepien AB	Latest Mes	Auminium			ay set	
	Concept i rea		+ All Hesseges	Last undeted	Insta	
	Hydra Net	ws Ma	arket Comments	11.03/03	UNE :	
	 The Europ Commission Hydro's sale (25/02/15) 	accepts (10 of = 4	luminium braded up., /t02/03) luminium traded., /t02/03)	11.0303 11.05007* 11.05002*	UNE I NOK	

Nils Arthur Managing Director Profilgruppen



QUALITY METAL & SERVICES

Priorities Metal Products

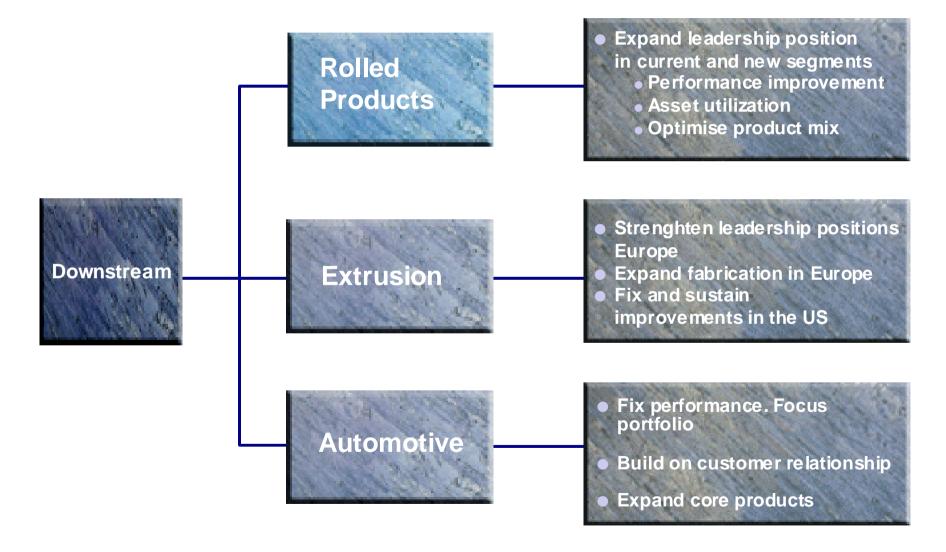
- **Delivery (Operational):**
 - Cost reductions and best practice sharing
 - Maximize throughput in Extrusion ingot, Foundry alloys and Sheet ingot
 - Expand and maintain leadership in remelting/recycling
 - Keep investments at a minimum
- Strategic:

- Short-term improve and utilize European assets fully
- Strengthen leading positions in Foundry alloys
- Develop Asian markets and establish aluminium foothold in China

Downstream

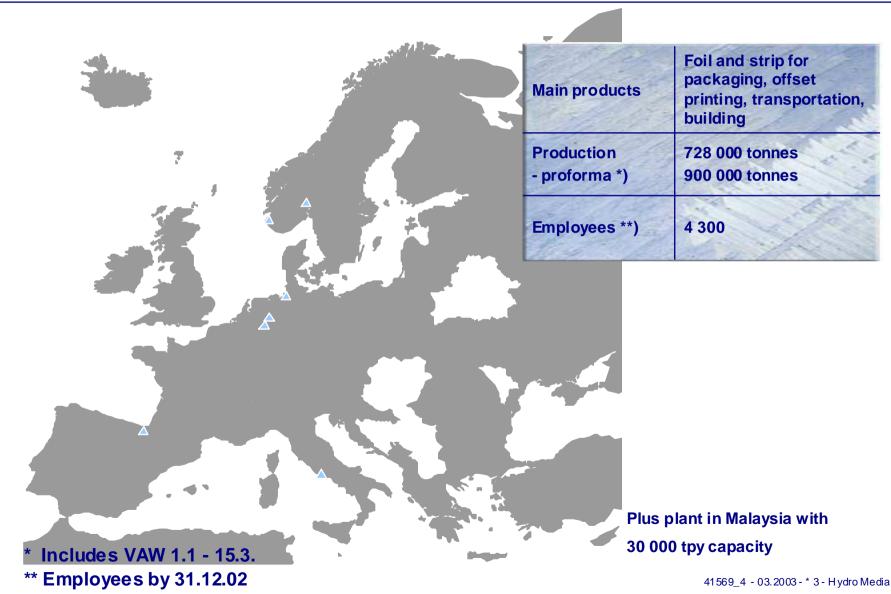


Stronger downstream platform to serve customers



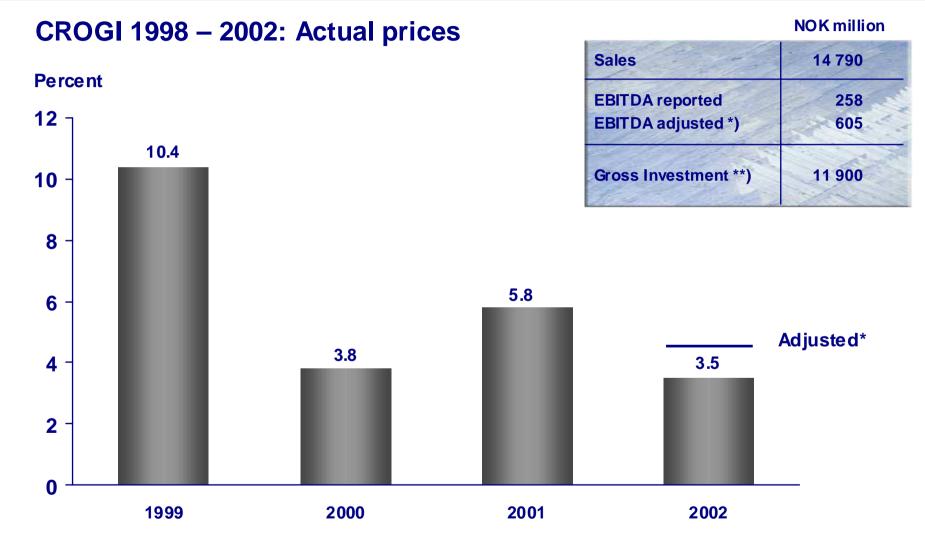


Rolled Products 2002



Rolled products: CROGI

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* Adjusted for VAW 1.1 – 15.3 (average last 9.5 months multiplied with 2.5 months) and infrequent items

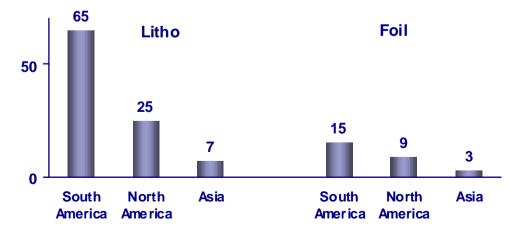
** Gross investment by 31.12.02

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Market situation – Rolled Products` position



Percent Estimated market shares outside Europe 02



- Total market*:
 3.3 mill. tonnes
- Expected growth 00 06:
 2% annually

Global market outlook

- Moderate volume growth
 - Litho market showing strong demand
 - US business harmed by strong Euro
- Margins under pressure

*) Europe 2002

Rolled Products differentiation

- 80% of rolling mill capacity next to smelters (advantage compared to competitors):
 - Norf-Neus-Grevenbroich triangle
 - Karmøy- and Hamburg-mills



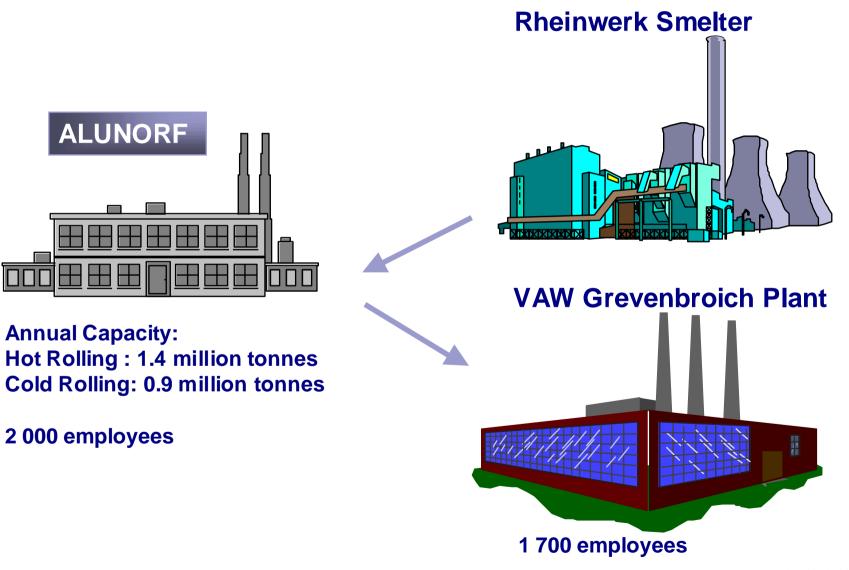
Reduces working capital and logistic costs

- Well-balanced product portfolio
- Outstanding reputation and strong market presence in selected areas
- Customer focus

- Flexible production system with ability to run dedicated lines
- High utilization rate
- Strong technology base
 - World leader in litho, can-end, and automotive chassis applications
 - Foil
- 50% ownership in Alunorf, the world's largest and lowest cost mill

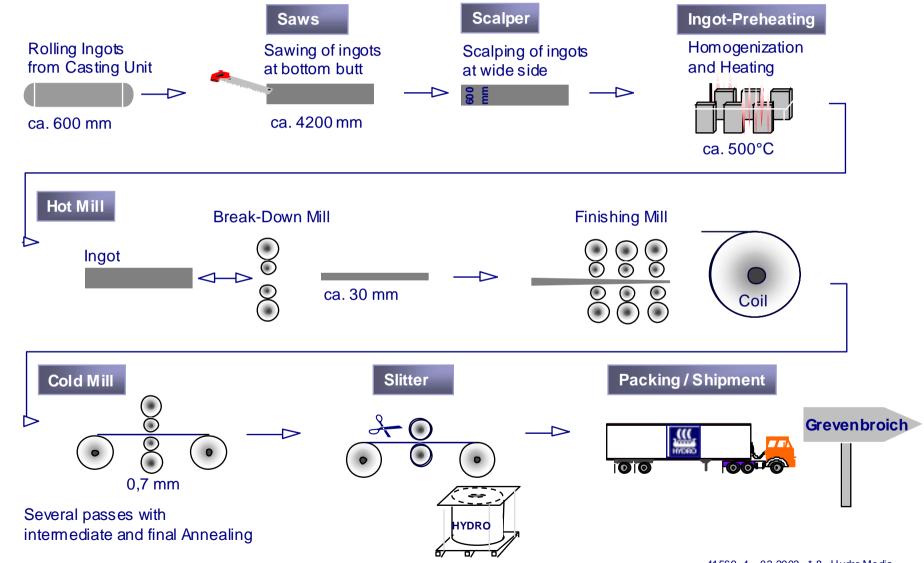


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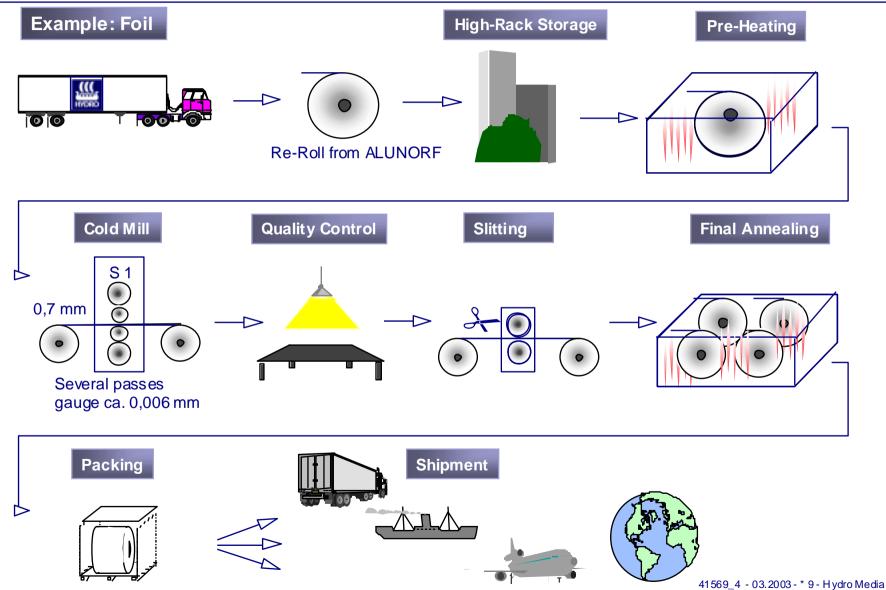


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Alunorf: From Rolling Ingots to Re-Roll

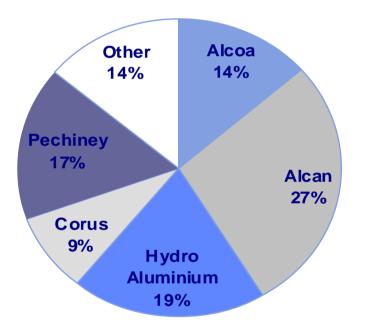


Grevenbroich plant: From Re-Roll to Flat Rolled Products



Improved industry structure in Europe

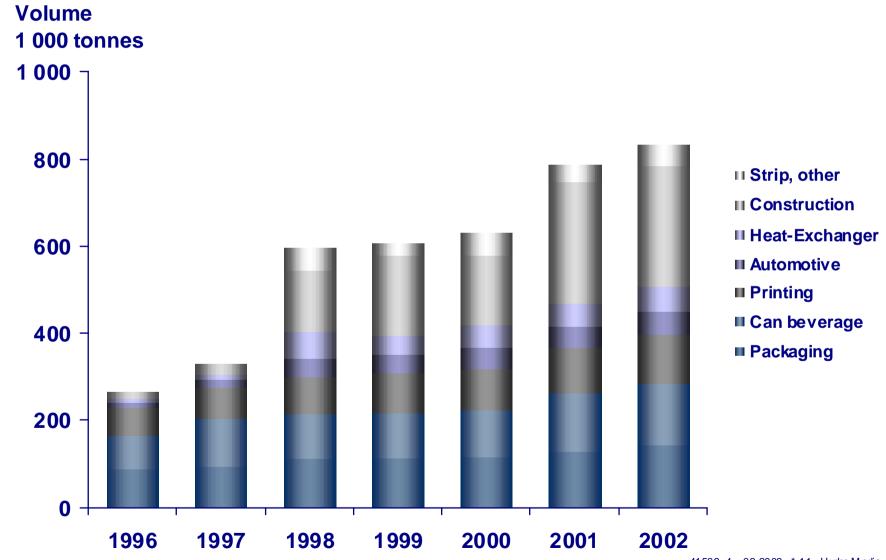
Estimated market shares Europe 2001 100% = 3.2 million tonnes per year



Four largest 2002: 77% market share Four largest 1998: 58% market share

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Strong volume growth Rolled Products

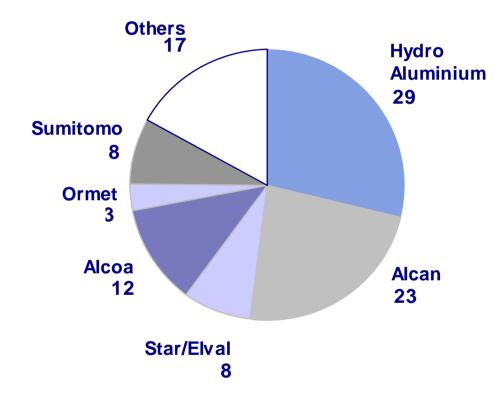


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Case: Lithographic strip – global leader

Global Market Shares 2002



- Total world market: Approx. 400 000 tonnes
- No. 1 position has been maintained over the past 2 decades
 - High quality
 - Customer service
 - Dedicated lines

Case:

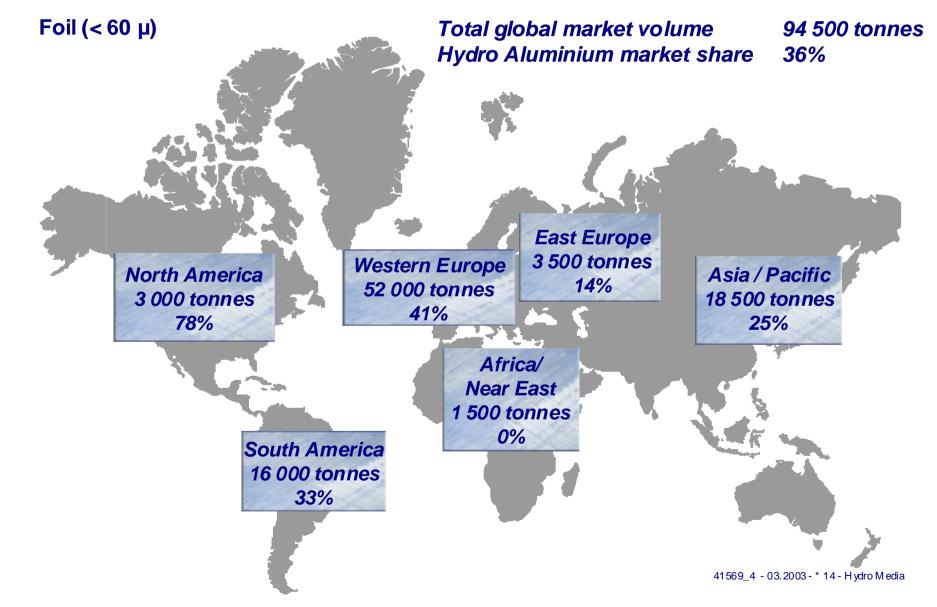
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Tetra Pak – a success story

- Hydro Aluminium has maintained a truly global long-term relationship with Tetra Pak since the mid 70's
 - Delivering to plants in Europe and Asia
- Key success factors:
 - Continuous product and service improvements
 - Contribution to increased productivity at Tetra Pak
 - Reduced set-up times through introduction of jumbo reels
 - Enhanced running length per crack through constant high product quality
- Tetra Pak regularly chooses Hydro Aluminium products as benchmark for other suppliers of liquid packaging foil

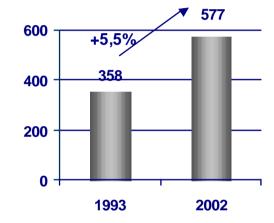


Case: Liquid packaging market 2002

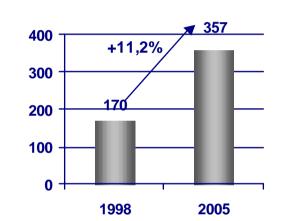


Improvements in productivity

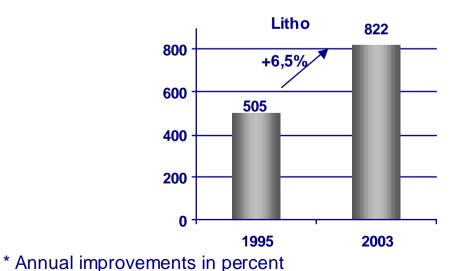
Tonnes/employee in different plants / production lines*



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- Several modernization and revamping programmes
- Significantly increased productivity through state-of-the-art production facilities



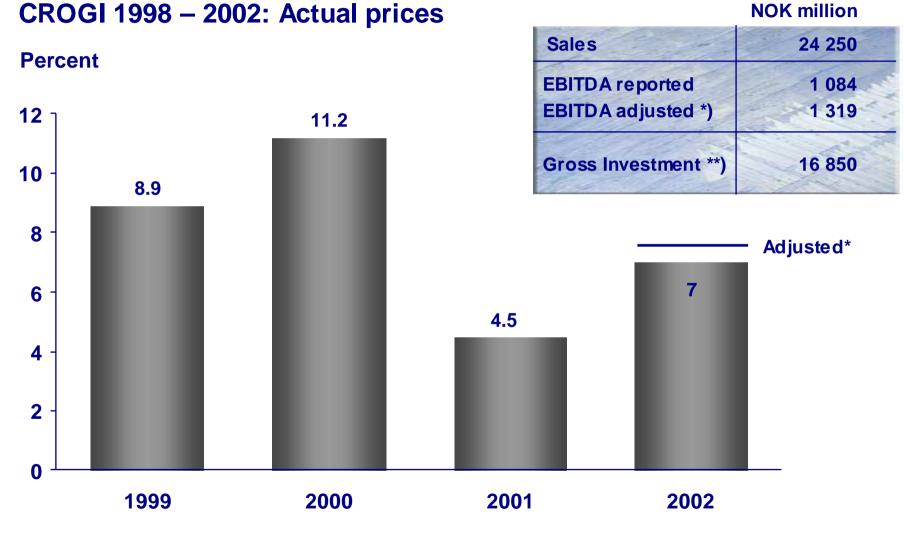
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Priorities Rolled Products

- Delivery (operational):
 - Reduce operating cost (continuous improvement)
 - Optimise production system (move products between plants)
 - Increase capacity utilization by growing sales
- Direction:

- Strengthen leading market positions in Europe
- Optimise large asset base
- Continue to build product positions in high growth markets (China and South America)
- Continue to develop opportunities in automotive body sheet

Extrusion and Automotive segment: CROGI

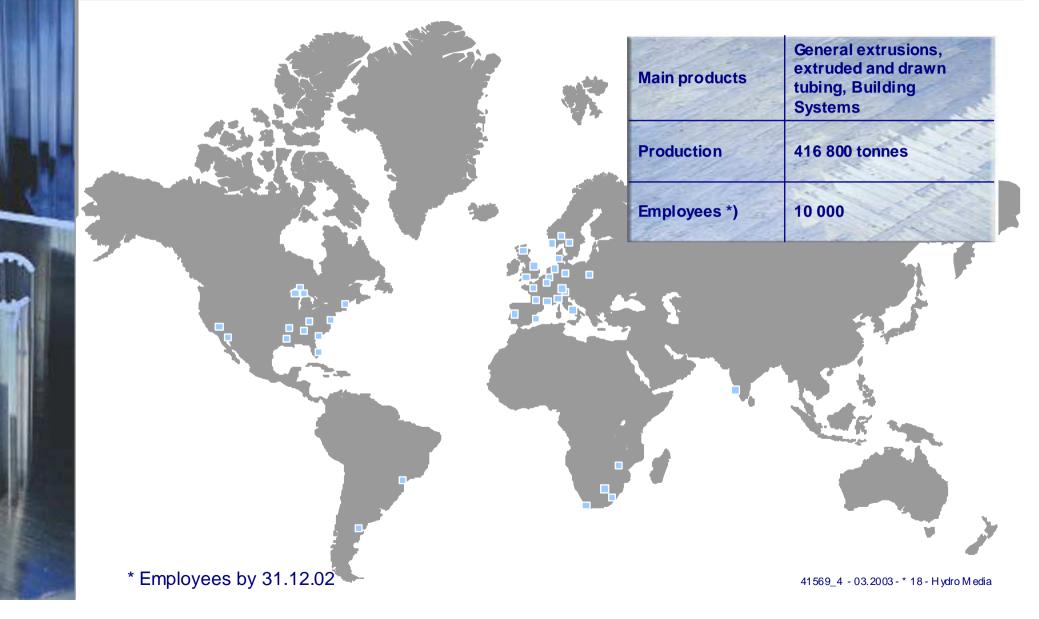


* Adjusted for VAW 1.1 – 15.3 (average last 9.5 months multiplied with 2.5 months) and infrequent items

** Gross investment by 31.12.2002

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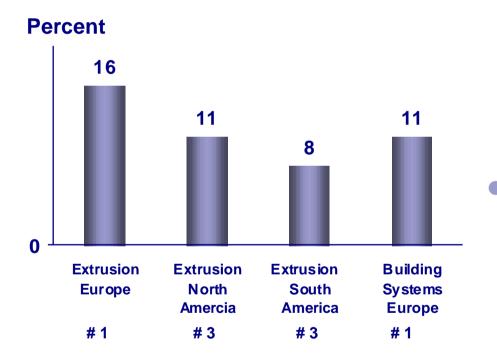
General extrusions and Building Systems 2002





Market situation – Extrusion position

Estimated market shares 2002



- Europe:
 - Total market*: 2.2 million tonnes
 - Market outlook Europe
 - Expected growth 00 06: 2-3%
 - Margins stable
 - Hydro Aluminium Europe: Strong in most countries. Focus general extrusions to local markets and building systems

US:

- Total market*: 1.5 million tonnes
- Market outlook US
 - Volume flat/slow growth
 - Margins stable
 - Transport growth resumes with pick-up in trailer, truck
- Hydro Aluminium US: Strong position in specialty segments – e.g. copier tube, office furniture, heavy truck. Growth opportunities in building and construction, industrial components

Extrusions differentiation

- Global system best practice deployment
- Customer focus, high recognition in market
- Innovation

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Acknowledged development competence for new extrusion applications and new alloys

Performance Excellence

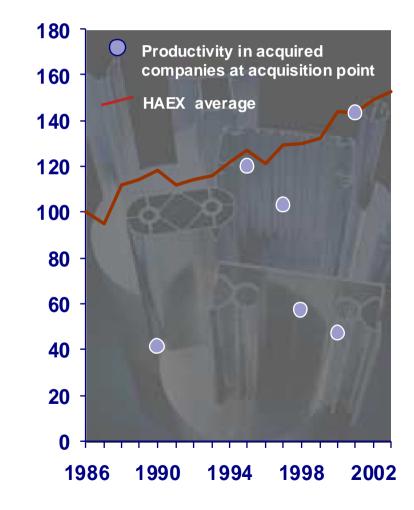
- Business Model
 - Local accountability
 - Location of plants and sales force
- Industry benchmark productivity
 - Manufacturing excellence concept
- Separate business model for Building Systems



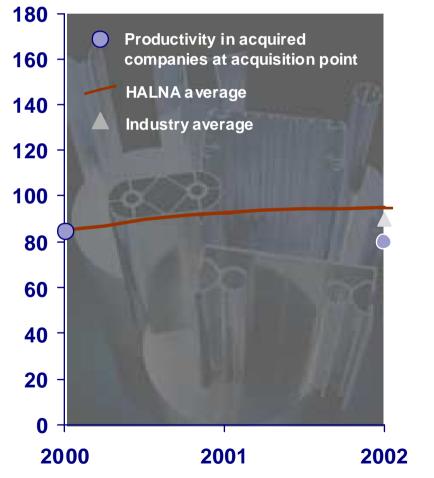
Extrusions: Increased press productivity - main lever to reduce cost pr kg

Extrusion Europe & South America Kg/hour (index,1986=100)

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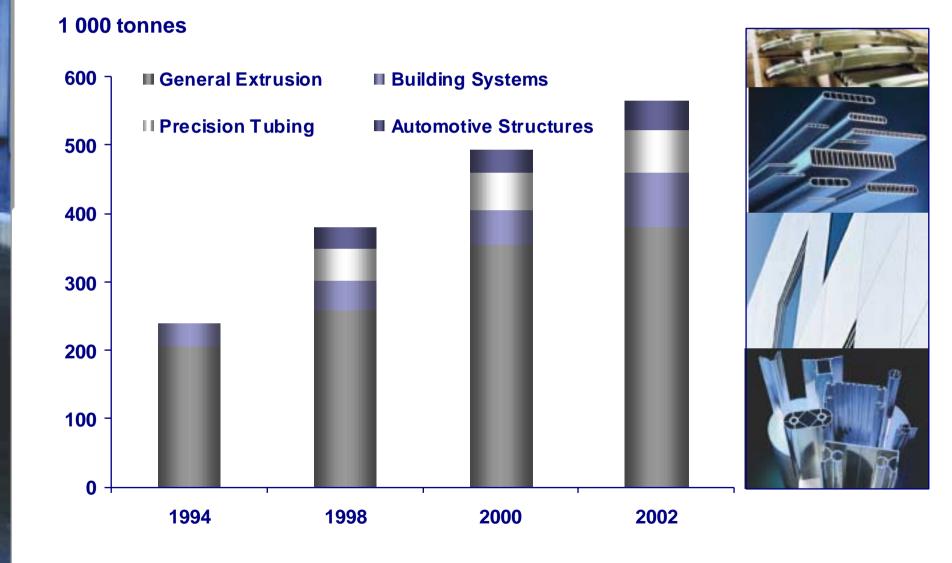
Extrusion North-America Kg/hour (index, European 1986=100)



41569_4 - 03.2003 - * 21 - Hydro Media

Strong volume development extrusions *)

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* Hydro Aluminium total: Includes also extrusions used in automotive sector 41569_4

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Building Systems – leading in "brand business"

- Hydro Building System is a market leader
 - Strong brands

- Product innovation leadership
- High productivity production
- Good distribution system
- Strong accountability to results
- Active position in Building Systems allows Hydro Aluminium to
 - operate a profitable downstream business
 - strategically shape the largest market segment for extrusions



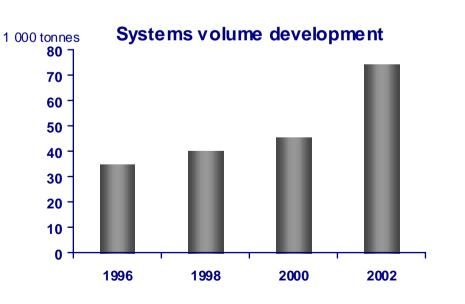
Targets projects and nonresidential segments in Northern & Central Europe



More than 20 distribution centers in Italy, sales to Greece, Portugal and Spain



Market leader in France, presence in Portugal, Spain & the UK

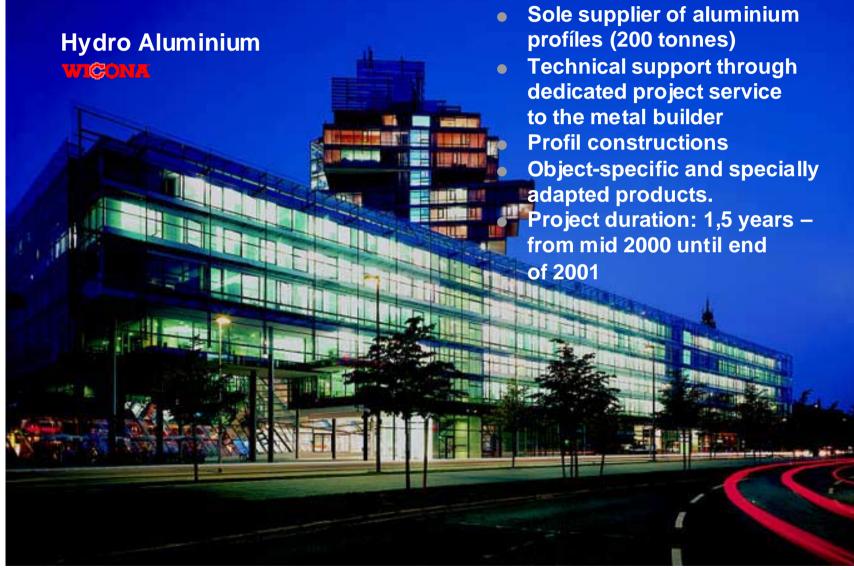


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Nord-LB Hannover – a success story



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Case: Building Systems customer relationship example – metal builder in Italy

- We develop and distribute complete building systems
- Our customers, metal builders, assemble and then install finished windows and doors



- In addition to selling systems we also provide support to our customers (calculations, marketing, forecasts etc) we help our customers to develop their business
- In the Italian market of 155 000 tonnes Hydro Aluminium has 22 distribution centers around the country

Example: Metallegno

- One of 15 000 metal builders in Italy
- Family business started with 4-5 people and have grown to 35 employees over 15 years working with Hydro
- Range of products expanded from residential to industrial and commercial buildings projects

Priorities Extrusion Europe and South America

- Delivery (operational):
 - Customer focus
 - Continue improvement programs on key value drivers, productivity, material yield
 - Optimise low cost capacity utilization

Direction:

- Strengthen position through selective acquisitions
- Increase added value activities
- Improve sourcing positions in low cost countries
- Leverage competences from Building Systems in other market segments

Priorities Extrusion US

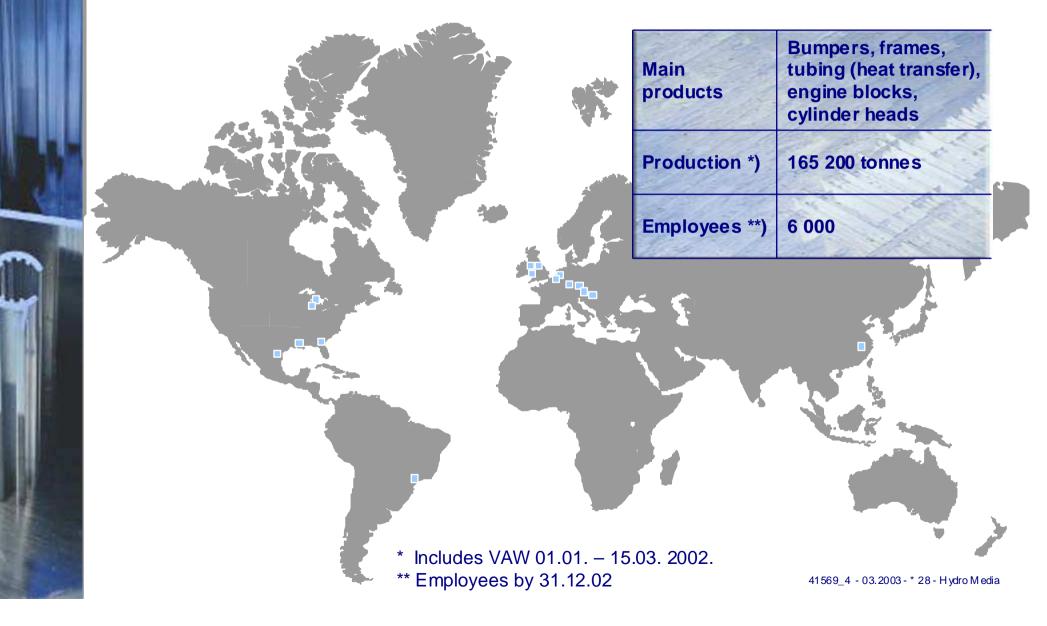
- Delivery (operational):
 - Drive productivity toward European levels
 - Reduce cost
 - Leading service and quality

Direction:

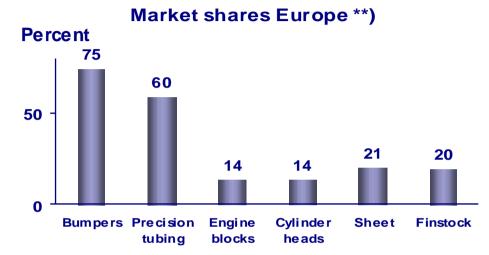
- Performance improvement
- Better asset utilization grow business volume, with existing and new customers
- Enhance differentiation by developing added value offering



Automotive products 2002



Market positions – Automotive



Market shares outside Europe **) Percent **Precision tubing** US 50 50 50 10 10 5 0 China **Bumpers** Precision Cylinder South

heads

* US, Europe, Japan. 2/3 is castings

tubing

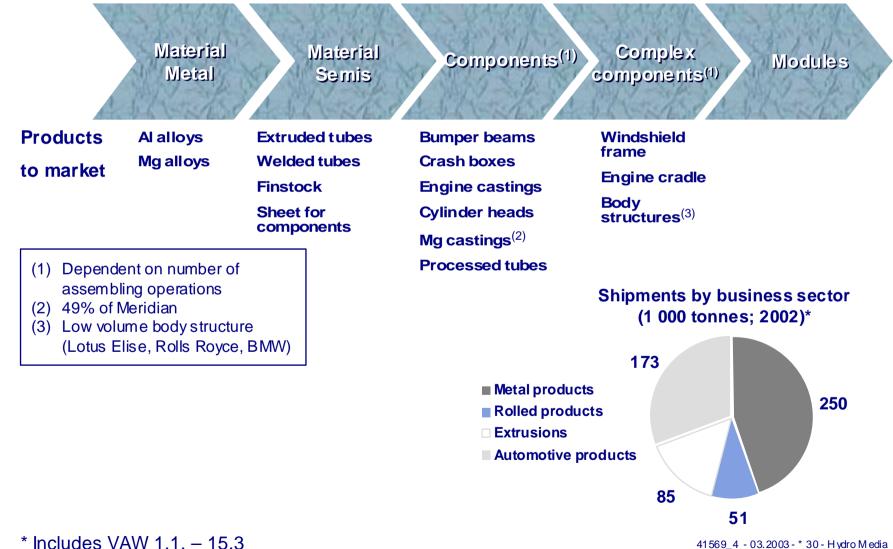
- ** 2002 estimates. Hydro Aluminium's market share of total aluminium use
 - Market shares for engine blocks and cylinder heads excluding OEMs inhouse production higher^{41569_4 03.2003 * 29 Hydro Media}

America

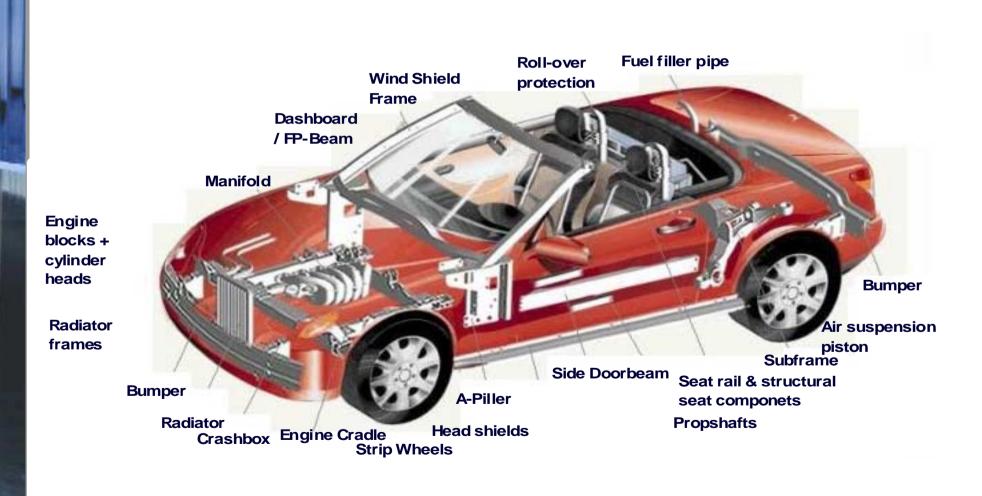
- Total market *): 6 million tonnes
- Expected growth 00 – 06: 5%
- Market outlook
 - Light weighting trend to continue
 - Western markets maturing, growth potential shifting towards emerging markets
 - Relentless price pressure from OEMs
 - Key levers to earn money
 - Differentiation
 - Lean manufacturing
 - Shift to lower cost countries unless highly automated production
 - Economies of scale



Presence in automotive



Aluminium components supplied by Hydro Aluminium



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Automotive differentiation

- Global leading market positions
 - Extrusion-based structural components
 - Precision tubing
 - Magnesium alloys
 - Magnesium parts (Meridian 49%)
- European leading market positions
 - Complex engine blocks and cylinder heads
 - Primary foundry alloys
 - Automotive sheet for chassis applications

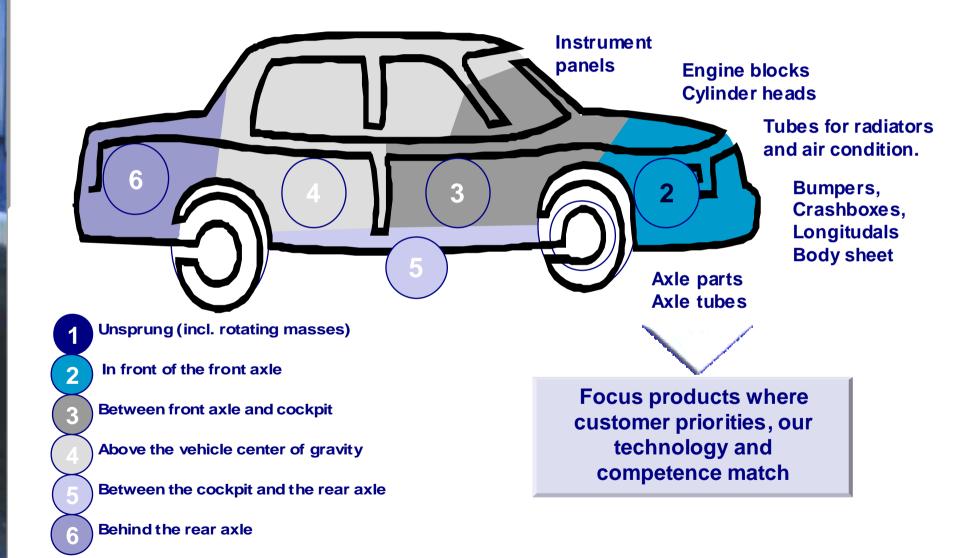
- Solution focused product and process development
 - Integrated in customers processes
 - Highly reputed and appreciated
- Leading technology
 - Extrusion technology
 - Stretch-bending technology
 - Drawn tubes technology
 - Aluminium and magnesium casting
 - New body sheet line under construction Rolled Products

Trends promoting growth for aluminium

Safety

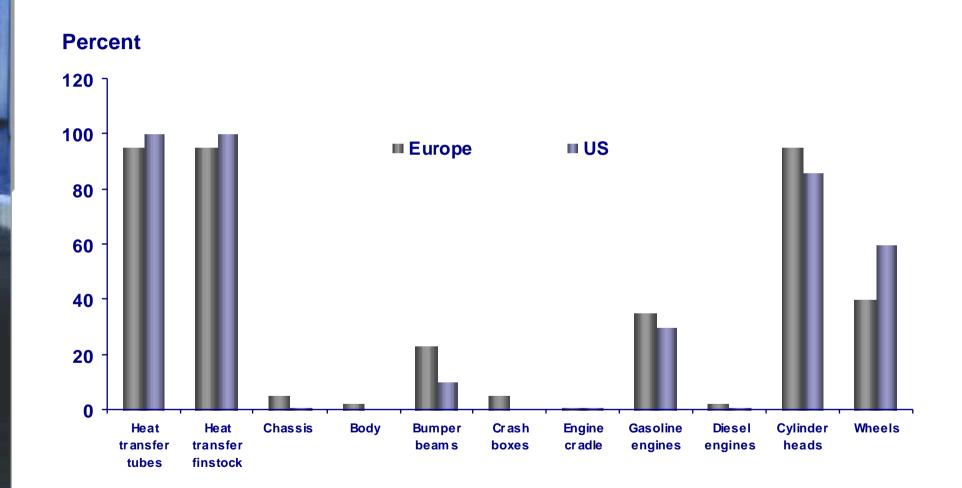
- Crash-behavior NCAP
- Pedestrian protection
- Increasing Individualisation
 - Niche models SUV / minivans/ Sport cars
- Comfort
 - Air condition
- Driving dynamics, fun driving
 - Agility
- Environment/sustainability
 - Fuel consumption regulations (140 g/km CO₂ in 2008/2009 declaration of European car industry)
 - 100kg weight reduction saves 0.6 litre /100 km
 - Recycling
- Vehicle retraction Wrecking

Growth in aluminium in cars: Priority of mass reduction areas





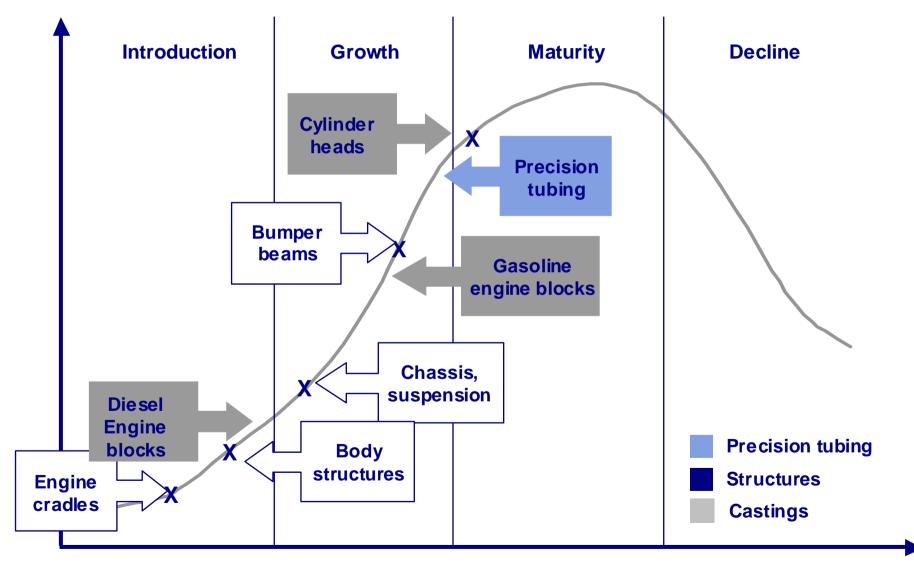
Aluminium penetration rates growing



Source: Hydro Aluminium estimates for 2002

Our automotive product groups still too heavy on "introduction"

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Our most visible BMW product ...

... the Z8 spaceframe

0

M&Z 8800



Case: BMW and Hydro Aluminium –

a partnership evolving for more than 25 years

- 1975: First bumper beam contract
- 1995: First supply of cylinder heads to BMW-cars
- 1996: Rollover protection system
 - First full system responsibility for Hydro
- 2000: Delivery of 1.3 million bumper beams
 - All models have Hydro bumpers, excluding X5
 - New "small" BMW cars use Hydro bumpers
- 2000: Hydro Wackersdorf opens at BMW Innovations Park
 - JIT assembly and delivery centre
- 2002: Development partner and supplier for new Rolls Royce Phantom
 - More than 300 profiles and sub-assemblies, weighting close to 300 kilos in total





Status and direction Segment by segment



Casting

- Profits close to acceptable
- Execution of major new expansion in Dillingen (G) for diesel engine
- Growth directed to low-cost facilities

Structures

- Low profit. Still in build up, therefore high cost
- High quality asset base and leading competence
- Fix performance focus portfolio to niches/ slivers with strong positions

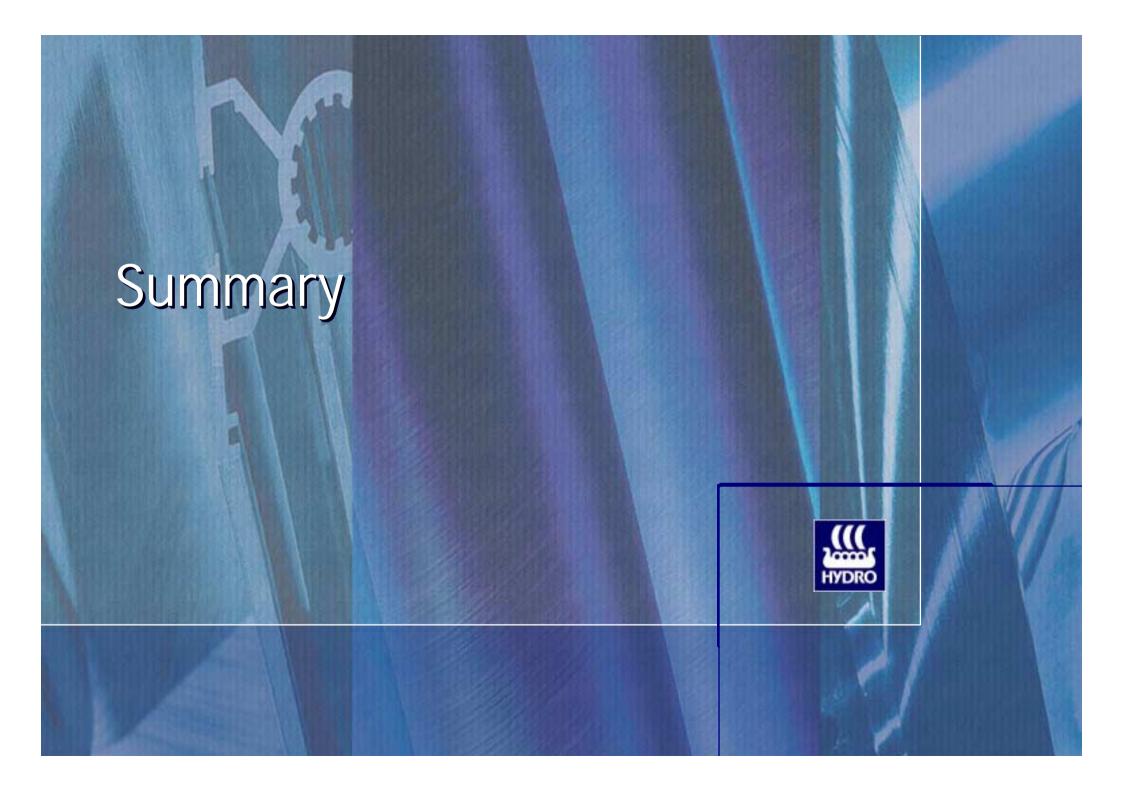
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Priorities Automotive

- Delivery (operational):
 - Accelerate lean manufacturing roll-out
 - Successfully launch new product programs
 - Fully utilize existing capacities

Direction:

- Differentiated value added products leading edge
- More of our business to low cost facilities in China, Mexico and Central Europe
- Focus portfolio



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Concluding remarks

Purpose of the seminar

Delivery

Differentiation

Strategic direction

Summary

- Short term fragile market outlook
- Long term attractive industry
- Bottom line focus, self help measures
- Differentiation customer responsiveness, organisation, portfolio composition
- Clear strategic direction capital discipline



Safe harbour statement

In order to utilize the "Safe Harbour" provisions of the United States Private Securities Litigation Reform Act of 1995, Hydro is providing the following cautionary statement: This presentation contains certain forward-looking statements with respect to the financial condition, results of operations and business of the Company and certain of the plans and objectives of the Company with respect to these items. By the nature, forward-looking statements involve risk and uncertainty because they relate to events and depend on circumstances that will occur in the future. The actual results and developments may differ materially from those expressed or implied in the forward-looking statements due to any number of different factors. These factors include, but are not limited to, changes in costs and prices, changes in economic conditions, and changes in demand for the Company's products. Additional information, including information on factors which may affect Hydro's business, is contained in the Company's 2002 Annual Report on Form 20-F filed with the U.S. Securities and Exchange Commission.