

AREVA: Global leader in low-carbon power generation

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Paris, September 19th, 2012



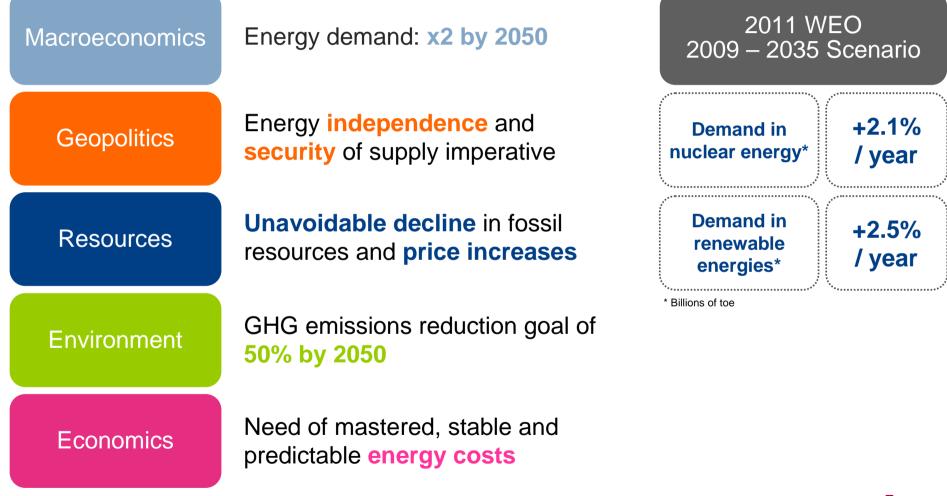


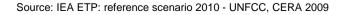
Our market

- ► AREVA overview
- ► H1 2012 Highlights
- Our strategy / progress update
- **Financial Outlook**



Energy market: continued growth announced



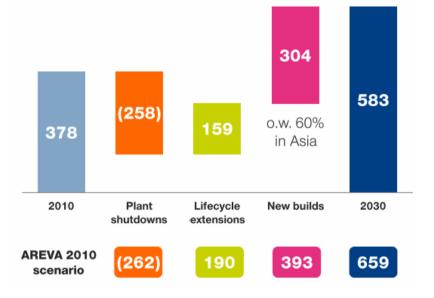




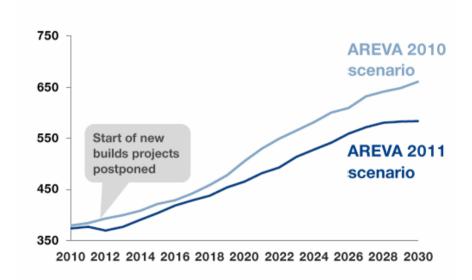
Nuclear scenario: differed but confirmed growth

AREVA 2011 scenario (GWe)

Reassessed at end-June 2011

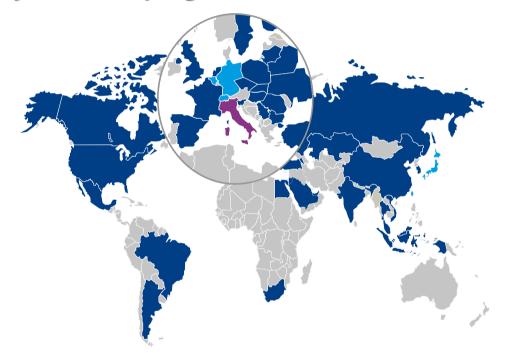


Change in global installed base (GWe)

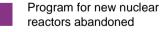


AREVA's business model allows it to capture market opportunities in all segments

Major nuclear programs confirmed



Nuclear programs / projects confirmed Gradual phase out of nuclear and / or plants shut down



Market update

Update on specific countries

- Germany: phase-out confirmed in 2011
- France: national energy debate until Spring 2013
- UK: final investment decision by EDF in 2012, Horizon takeover in 2012, market reform ongoing
- USA: 73 licenses to operate 60 years granted in August 2012, 80 years now being studied



Update on Japan

Announcement by Japanese Democrat Party (new election expected shortly), no regulatory application so far, no clear schedule

Policy to be re-assessed periodically:

- Phase-out nuclear by the end of the 2030's
- No new builds
- No life extension
- Continuation of recycling policy
- Completion of reactors under construction
- Restart of reactors currently under maintenance after approval from nuclear safety authority

Limited impact on AREVA's activity in Japan relative to Action 2016 plan expectations



Renewable Energies: accelerated growth

Installed Capacity (GW)

Offshore wind market will focus on the UK, Germany and France

Annual addition to the installed base in Europe 2011-2020 (GW) - Reference scenario

3.4

1.0

0.2

1.0

1.2

2015

x1.3

Concentrated solar could reach up to 30GW by 2020

30.5 2.0 South america 2.5 4.7 Africa 2.3 x3.2 4.0 Middle East 5.8 9.4 3.4 x9.4 5.8 _() In operation 2015 2020

AREVA's positioning on renewable market: selected growing activities

5.4

1.7

0.9

1.0

1.8

2020

(others)

Source : Boston Consulting Group

0.9

0.3

0.6

2011

x2.8





Our market

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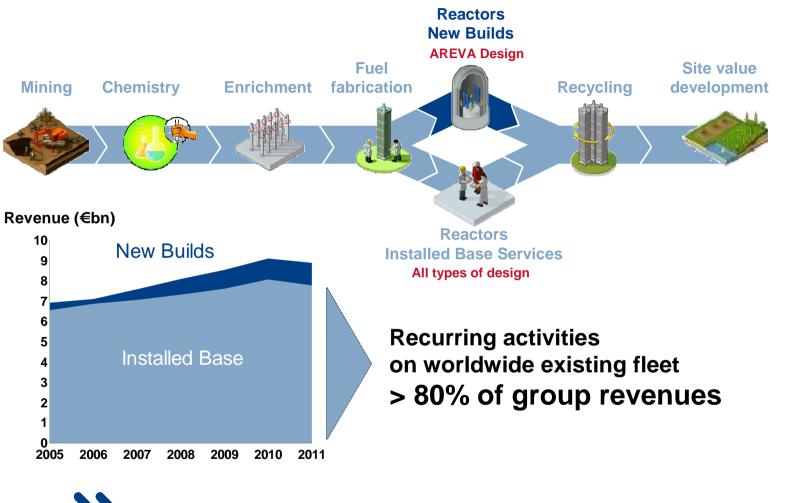
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A solid foundation with our recurring activities



360 of 440 world reactors are served by AREVA



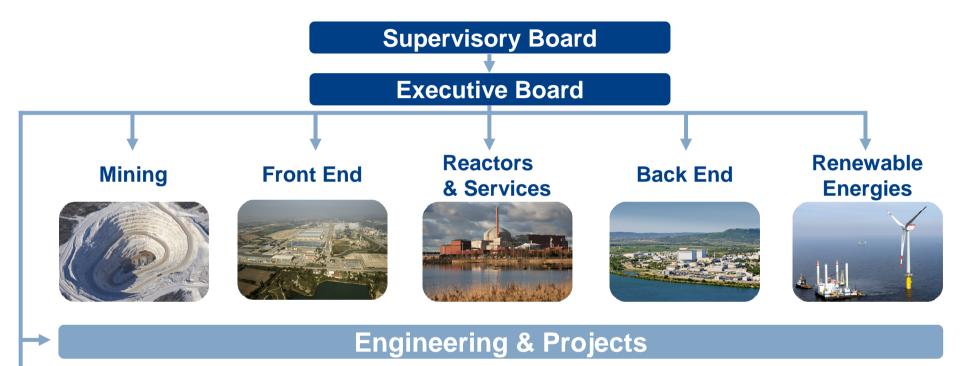
€45.2bn of backlog: 5 years of revenue secured

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Backlog at June 30, 2012

		In value	Number of years Approximate coverage of 2012 of 2011 revenue in backlog revenue by BG (rounded)	
	Mining	€10.5bn	8 years	~100%
	Front End	€18.7bn	8 years	~95%
and all the	Reactors & Services	€8.3bn	3 years	~85%
	Back End	€6.2bn	4 years	~100%
	Renewable Energies	€1.4bn	5 years	~85%
			7*************************************	A

Our operating organization

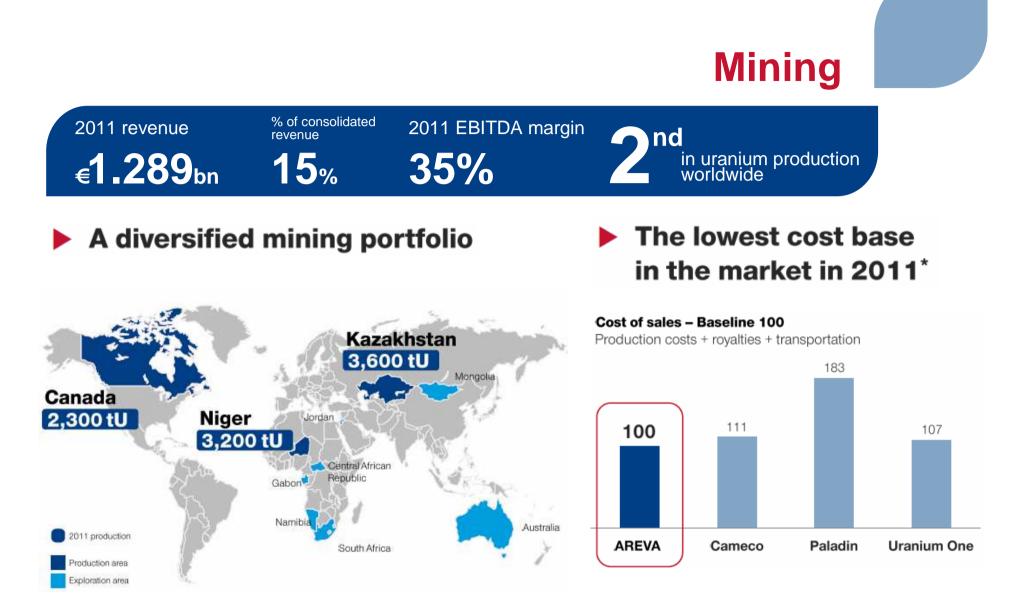


International Commercial Organization

Functional Departments

Regional Departments (Germany and North America)







* Sources: AREVA and 2011 annual reports



Security of supply

Chemistry

More than **40 years of industrial experience** and more than 360,000 MTU delivered

• Enrichment

High-tech technology: centrifugation (ETC)

Fuel

More than 135 reactors worldwide use AREVA's fuel assemblies

New industrial facilities

Comurhex

Comurhex II

Eurodif



Georges Besse II





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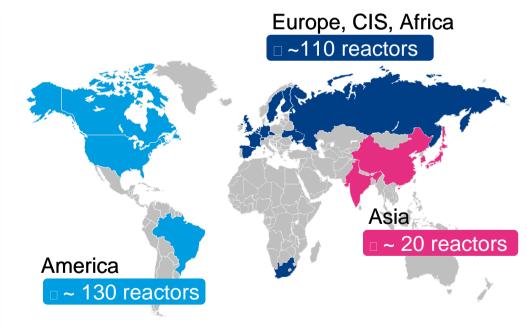
Reactors & Services



- From construction to operations
 - New Builds
 Highest safety standards
 EPR reactor: unique experience
 feedback
- Installed Base
 A complete range
 An international experience
 A diversified project portfolio

Propulsion & Research Reactors







*excluding loss making contracts

Back End



- A comprehensive offering of solutions
 - Recycling: more than 75% of the global treatment market
 - Storage: design and construction of storage solutions
 - Logistics: 31% of the global market
 - Nuclear Site Value Development -Dismantling: 1,500 specialists
 - Cleanup: present at more than 90% of all French nuclear sites

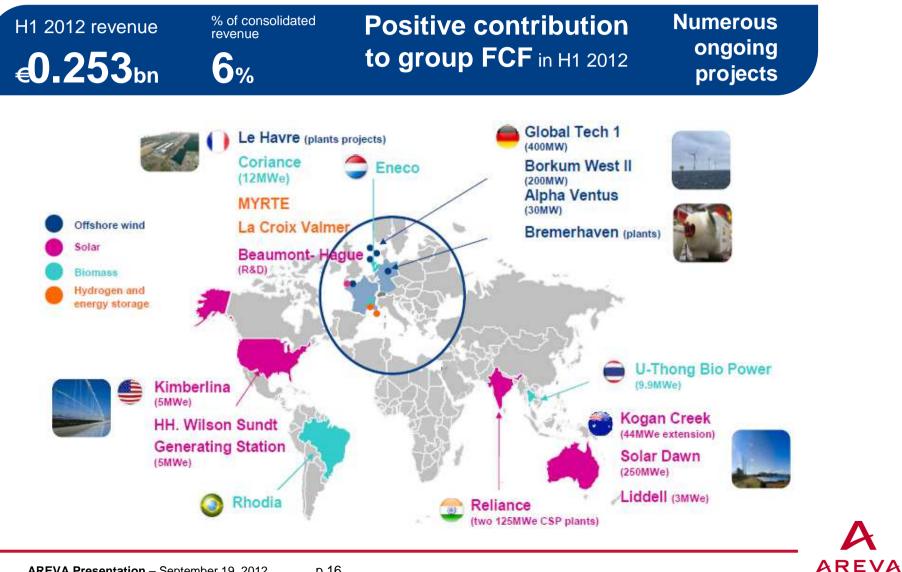
 A strong and unique industrial base La Hague (Manche)







Renewable Energies





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A new commercial dynamism to capture opportunities on a growing nuclear market

- 14% increase in new orders vs. H1 2011 thanks to recurring installed base activities
- Participation in numerous tender offers for construction projects of nuclear power plants (representing more than 15 reactors)
- Near €50bn of offers submitted in the nuclear activities





Amplified growth in renewables

- Acceleration of Offshore Wind turbines production's pace: 18 units in the 1st half of 2012 (vs. 2 in H1 2011)
- First contribution to revenue of ongoing solar projects (Kogan Creek and Reliance)
- Technological differentiation in Biomass: acquisition of the roasting technology "green coal"
- Inauguration of first technological platforms in energy storage





Performance materializes thanks to Action 2016 implementation

- Renewed revenue growth in the nuclear businesses (+3.7%) and ramp-up in the renewables business (fourfold increase in revenue between H1 2011 and H1 2012)
- Effectiveness of cost-cutting measures: 65% of the €1bn operating cost reduction goal by 2015 secured (20% achieved at end of june 2012)
- Asset disposals program is ahead of schedule: €1.2bn in asset disposals announced at the end of July 2012 for a minimum target of €1.2bn over the 2012-2013 period





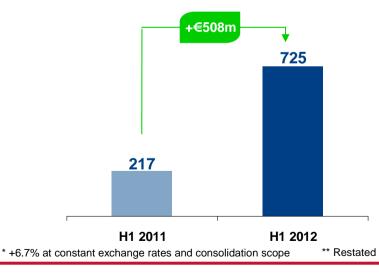
Commercial dynamism and improved profitability



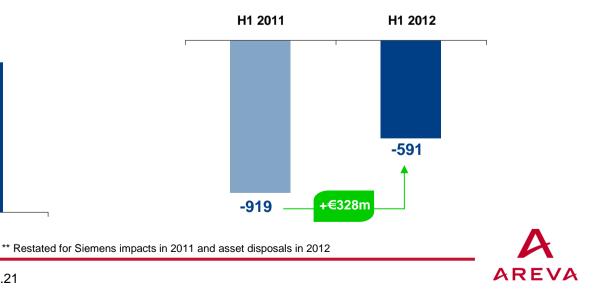
Revenue (€m)



Restated EBITDA** (fm)



Restated free op. cash flow before tax** (@m)





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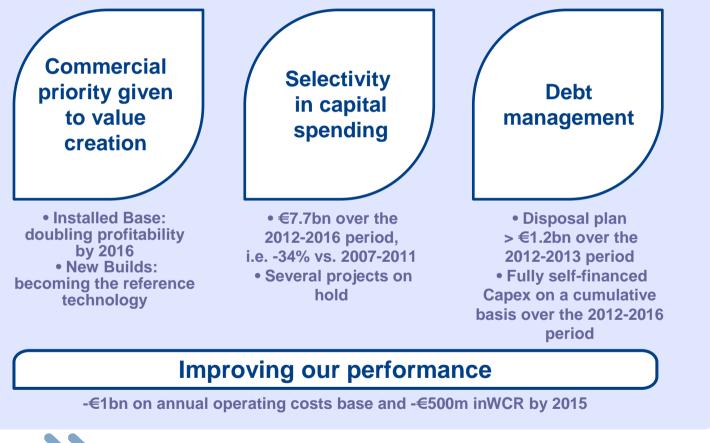
Our strategy / progress update

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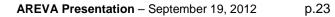


Safety Security Transparency



Concrete progress in all strategic orientations

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Commercial priority given to value creation

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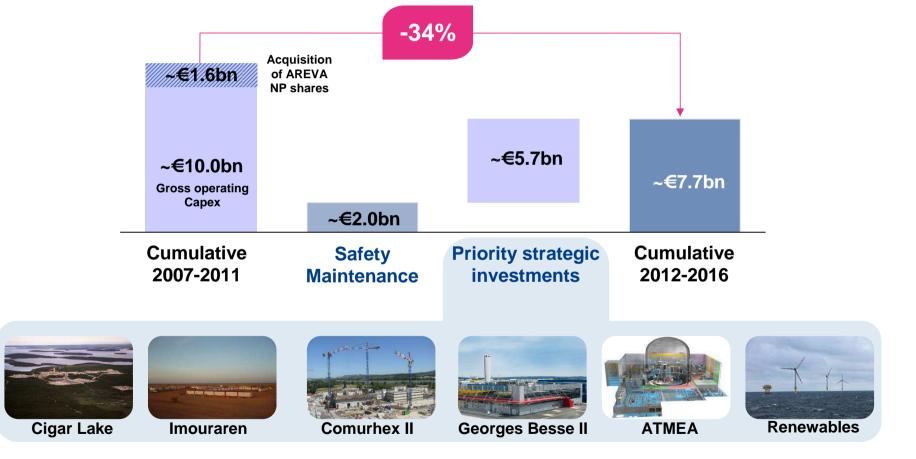






Selectivity in capital spending

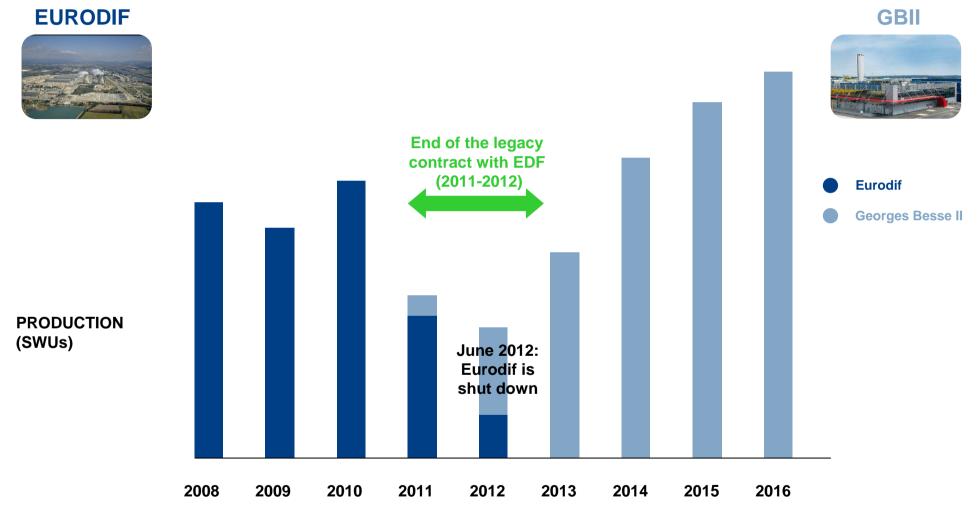
Adapting our investment program to new market conditions







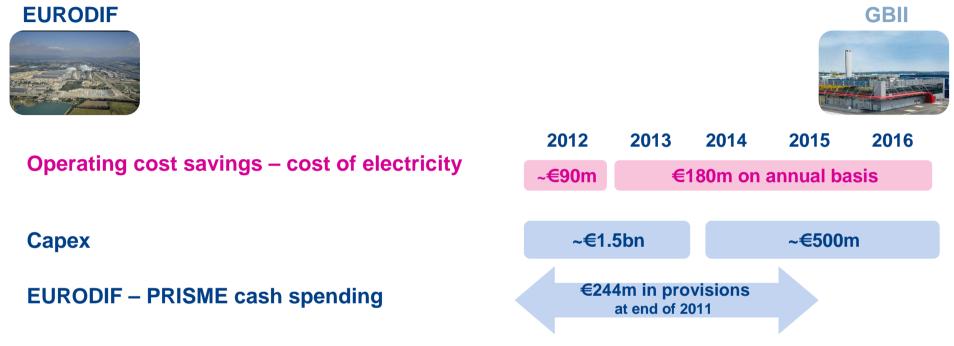
Enrichment: controlled technology transition







Enrichment: deployment of a value creating technology



- The most efficient proven technology
- **50** times less electricity used and considerable reduction in water usage
- 80% of nominal production already sold through 2030
- Ease of future plant expansion: modular centrifuge cascades allow for capacity increases depending on market conditions





Improvement of our financial structure

Asset disposals program ahead of schedule

December 14, 2011: 01dB-Metravib
January 30, 2012: Sofradir
May 16, 2012: ERAMET
June 1, 2012: AREVA Lesedi
June 11, 2012: Millennium
August 28, 2012: La Mancha

>>> 2012-2013 objective for disposals has been reached

Strengthening our balance sheet

2 bond issues:

- March 8, 2012: €400m bond issue (maturity: October 5, 2017)
- March 21, 2012: €200m private placement maturing in 10 years
- No major debt refinancing required before 2016
- Average debt maturity: 7 years

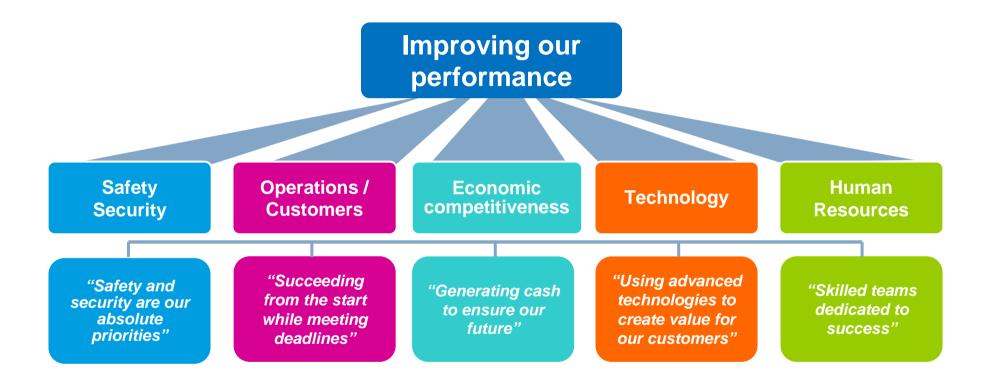


Liquidity: €1.9bn in net cash available at 6/30/2012 (+€462m vs end of 2011)





Five pillars for performance improvement

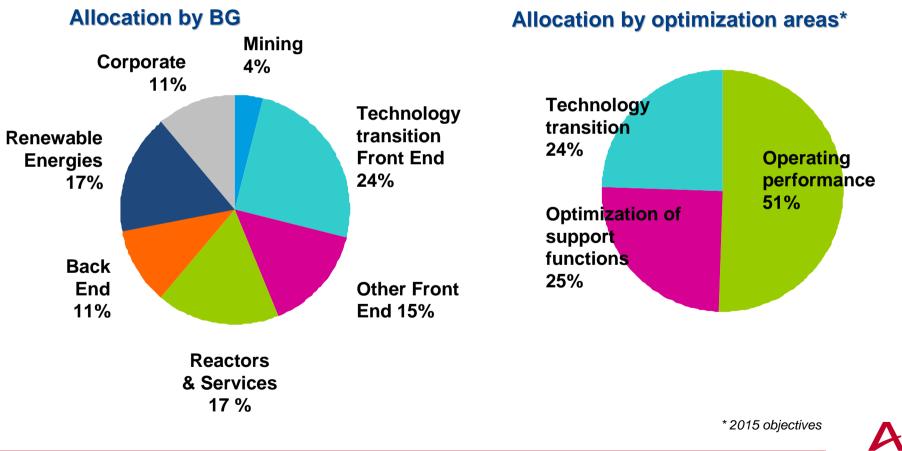






Strengthening our economic competitiveness

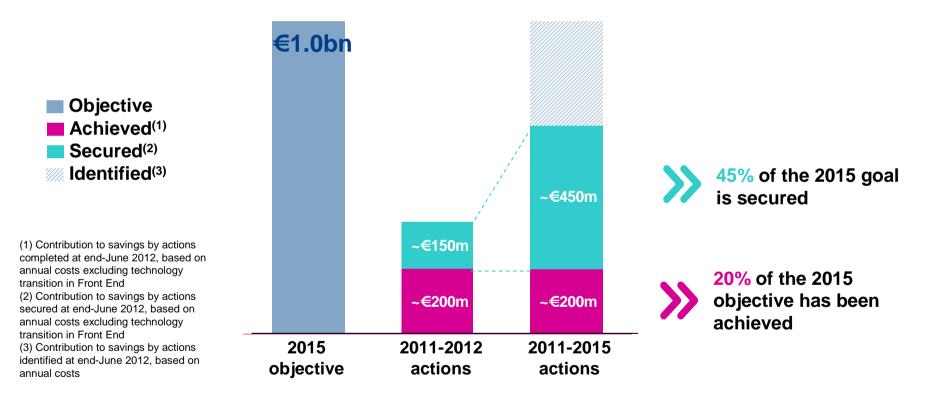
OBJECTIVE of improving performance €1bn reduction in annual operating costs by 2015





65% of the operating cost reduction goal secured

OBJECTIVE of improving performance €1bn reduction in annual operating costs by 2015



€350m secured at the end of 2012
65% of the €1bn secured by 2015



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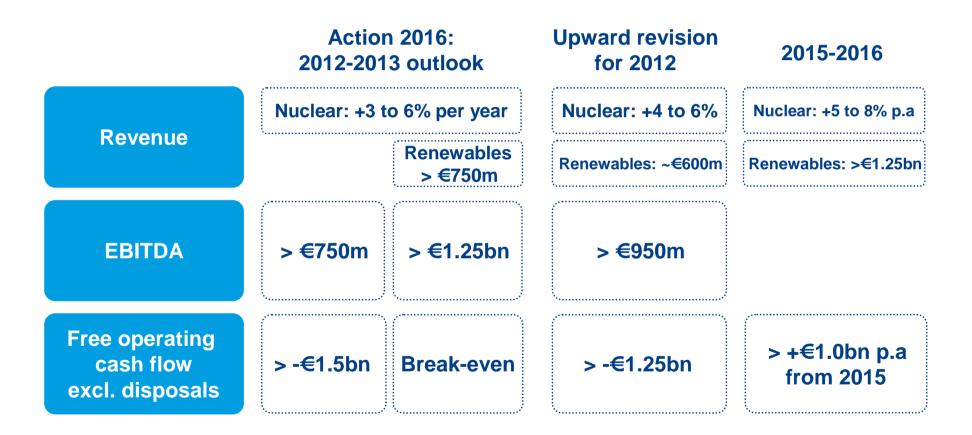
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Financial Outlook



Financial outlook Upward revision of 2012 outlook





Data at constant consolidation scope

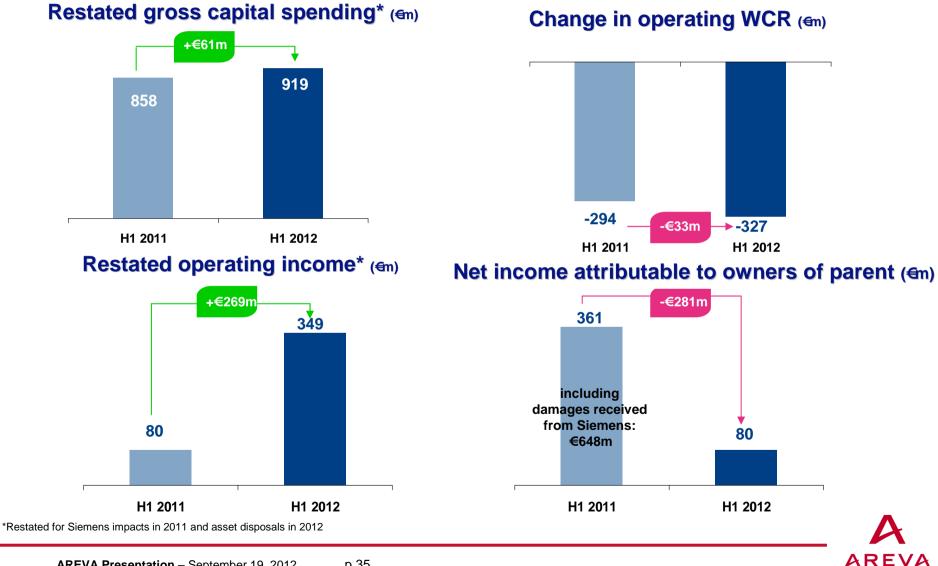


Appendix





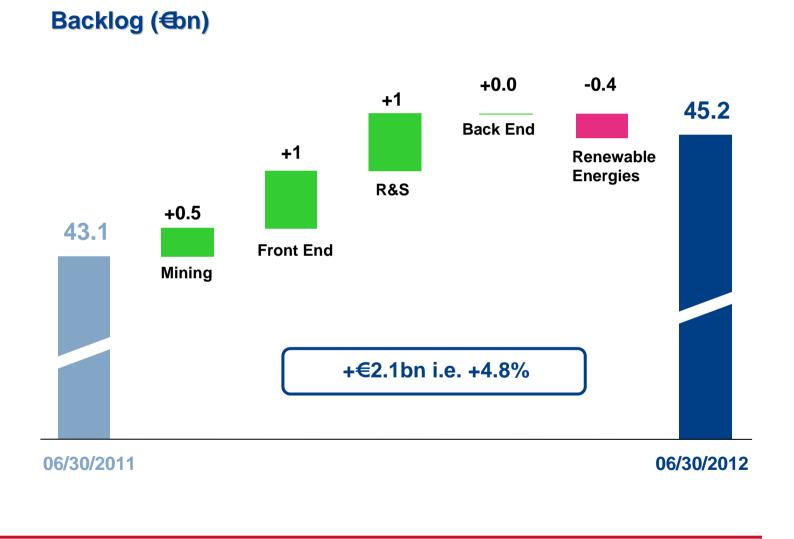
Other financial indicators



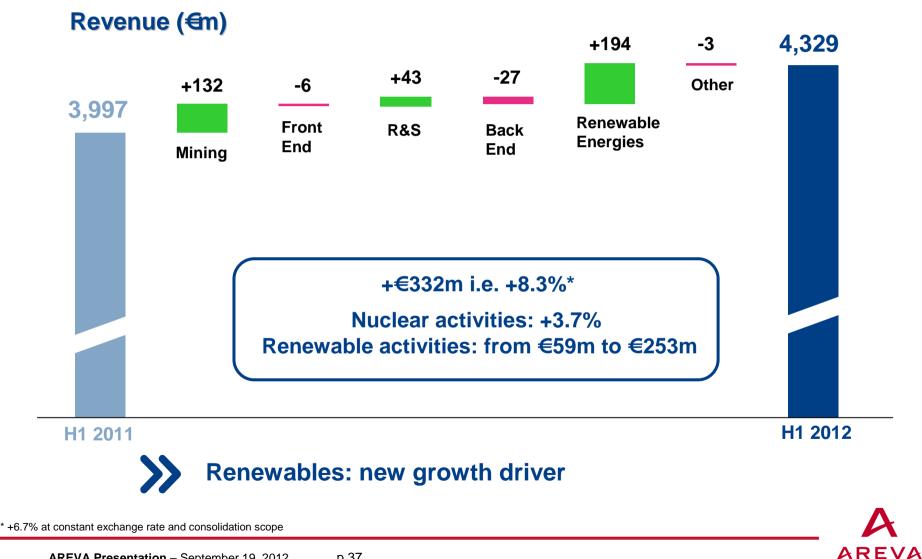


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Growth in backlog

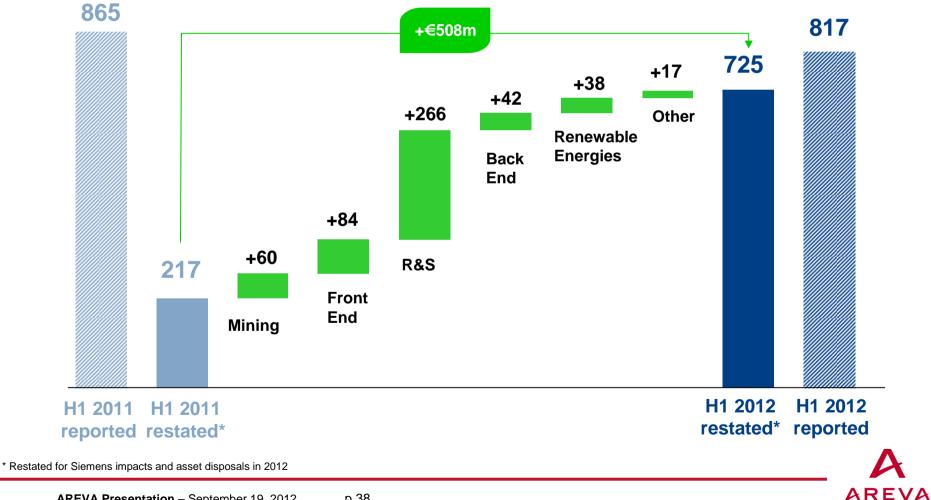


Revenue growth in nuclear and renewables



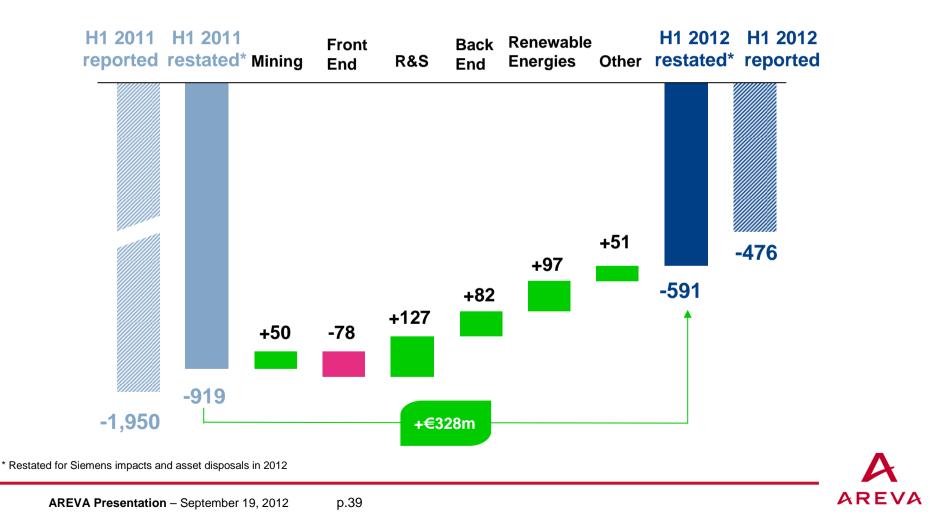


Sharp increase in EBITDA in all operations EBITDA (€m)



Significant improvement in free operating cash flow

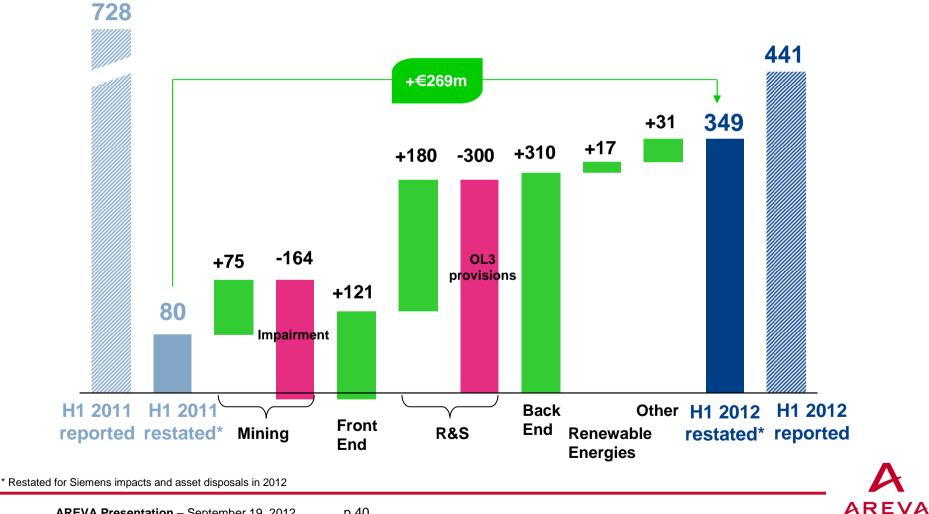
Free operating cash flow (€m)





Improvement in operating income

Operating income (€m)





in€m	H1 2011	H1 2012	Change		
Backlog	9,983	10,472	+489	•	Asian (of which CNNC) and American customers
Contribution to consolidated revenue	514	646	+132	•	Average sales price Volumes
Restated operating income ³	• 95	6	-89	⑦↓	Average sales price Volumes Impairment Bakouma and Ryst Kuil
including impairment	0	(164)	-164		
Restated EBITDA*	164	224	+60	•	Average sales price Volumes
Restated net Capex*	(280)	(341)	-63	•	Restart of work at Imouraren site
Restated free operating cash flow before tax*	(13)	36	+50	⑦↓	EBITDA improvement Decrease in inventories Increased Capex
* Restated from 2012 disposals					A

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Front End

in€m	H1 2011	H1 2012	Change		
Backlog	17,719	18,711	+992	•	EDF US utilities EDF Energy (UK) RWE and EnBW
Contribution to consolidated revenue	914	908	-6	()	Enrichment: export decrease + end of EDF contract Fuel: decrease in deliveries Fuel: related services + mix/price impact
Operating income	66	187	+121	•	GBII ramp-up and cost optimization Streamlining of industrial footprint (USA and Belgium) Chemistry growth New agreement early retirement plan
EBITDA	87	171	+84	$\textcircled{\black}{\bullet}$	Same than operating income
Net Capex	(361)	(407)	-46	•	GBII (71% of the whole BG Capex) + Comurhex II
Free operating cash flow before tax	(223)	(301)	-78	↓ ⑦	Increased Capex Decrease in accounts receivable EBITDA improvement
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Reactors & Services

in€m	H1 2011	H1 2012	Change		EDF
Backlog	7,316	8,302	+986	1	SNC-Lavalin Nucléaire Russian utility
Contribution to consolidated revenue	1,604	1,647	+43	(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)<l< th=""><th>Installed Base: buoyant business in France and North America Nuclear measurements: strong demand in Japan Installed Base: decrease in demand in Germany New Builds: accounting adjustment related to OL3 provisions</th></l<>	Installed Base: buoyant business in France and North America Nuclear measurements: strong demand in Japan Installed Base: decrease in demand in Germany New Builds: accounting adjustment related to OL3 provisions
Operating income	(79)	(198)	-120		Installed Base: high activity level
including OL3 provisions	-	(300)	-300	•	€300 million in additional provisions for losses at completion related to OL3 project
EBITDA	(113)	153	+266	•	Performance improvement in Installed Base and Nuclear Measurements €300m insurance indemnification for OL3
Net Capex	(105)	(71)	+33	•	
Free operating cash flow before tax	(392)	(264)	+127	(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)<l< th=""><th>Decrease in Capex EBITDA improvement Unfavorable change in WCR (high level of customer prepayments in 2011)</th></l<>	Decrease in Capex EBITDA improvement Unfavorable change in WCR (high level of customer prepayments in 2011)



Back End

in€m	H1 2011	H1 2012	Change		
Backlog	6,178	6,181	+4	€	European customers
Contribution to consolidated revenue	830	804	-27	↓ ⑦	Downturn in Nuclear site value development (recycling contract Fukushima-Daiichi in H1 2011) Increased volumes at La Hague and MOX
Operating income	135	444	+310	•	Increase in Recycling production Performance improvement plans New agreement on early retirement plan
EBITDA	228	270	+42	1	Increase in Recycling production
Net Capex	(61)	(56)	+5	⊜	
Free operating cash flow before tax	151	233	+82	1	EBITDA improvement Receipt of customer prepayments





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Renewable Energies

in€m	H1 2011	H1 2012	Change		
Backlog	1,849	1,428	-421	↓ ⑦	New orders postponed U-Thong Bio Power
Contribution to consolidated revenue	59	253	+194	⑦	Strong growth in Offshore Wind (GTI and BWII) Buoyant business in Biomass Implementation of Kogan Creek and Reliance
Operating income	(50)	(33)	+17	•	Business growth Performance improvement plans (of which Biomass restructuring plan)
EBITDA	(63)	(25)	+38	•	Technical issues in H1 2011 in the Wind business solved
Net Capex	(20)	(32)	-12	•	
Free operating cash flow before tax	(93)	4	+97	•	EBITDA improvement High level of customer payments received

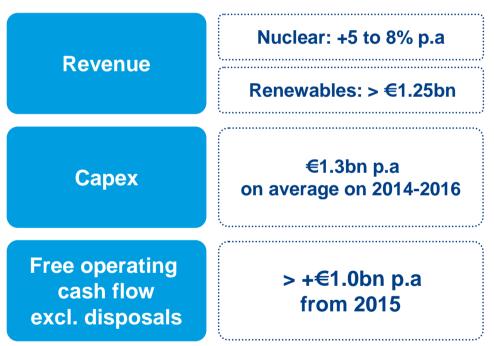
Commercial priority given to value creation

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Ongoing negotiations (bilateral)		Ongoing	bids	Upcoming bids (in 3-5 years)		
	Taishan 3-4				ESKOM	
CGNPC		JAEC		\cap	PGE	
	Jaitapur 1-2		Pyhäjoki		FGE	
NPCIL		Fennovoima		AURINA)	Saudi Arabia	
	Hinkley Point		Temelin 3-4			
EDF	C-D	CEZ			GDF Suez – Iberdrola	
			OL 4		Delta	
EDF	Penly 3	туо				
					New Brunswick Power	
EDF	Calvert Cliff 3		Wylfa 3-4		Vattenfall	
Duke Energy	Bell Bend Piketon	Horizon Nuclear Power*			Vattoman	
* Suspended, waiting for ne	w investors				Δ	

2015-2016 Financial outlook

2015-2016





Data at constant consolidation scope

Disclaimer

Forward-looking statements

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