AREVA: Global leader in CO₂-free power generation

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Contents

- ► Group positioning and strategic objectives
- ► AREVA Business Groups' strategy and recent developments
- ▶ Deleveraging / underlying performance improvement levers







AREVA's portfolio of CO₂-free solutions...

...creating value thanks to strong synergies



Commercial

- ► Leveraging established relations with utilities across the world
- Securing access to front-end resources and recycling for nuclear plant customers
- ▶ Proposing a **global answer** to the CO2 challenges of customers

Technology

- ▶ Sharing engineering competences and know-how
- ► Visibility over R&D challenges for the whole nuclear value chain, a key enabler for staying ahead in the technological race
- ▶ R&D and engineering synergies between nuclear and renewable

Competency

 Attracting and retaining talents thanks to enhanced visibility and reputation

Cost

- Developing nuclear supplier base and increasing negotiation power
- Mutualising go-to-market costs

Financial

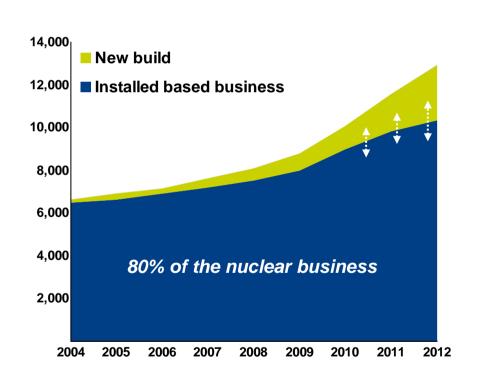
 Smoothing activity with a portfolio of business with different cycles





Installed base business model ensuring strong cash-flow generation

Installed base revenue vs. new builds (millions of €)

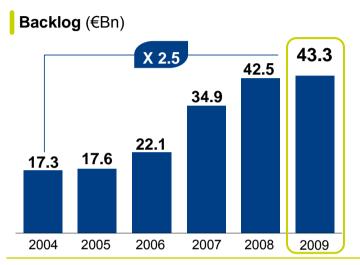


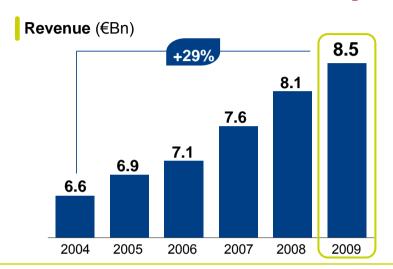
- ▶ 80% of the nuclear business is recurring
- Visibility (backlog) and recurring cashflow
- Capex supported by the sale of the new facilities' future production
 - **Example: 90% of GB II production** through 2020 is already in backlog

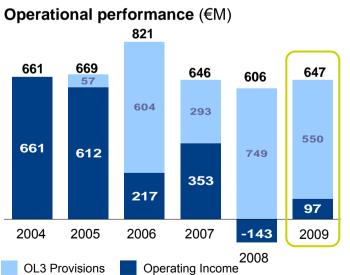
Source: AREVA strategic plan

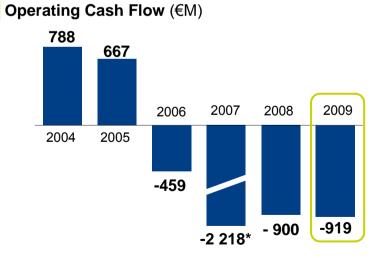


Sustained growth and investment effort to enhance leadership









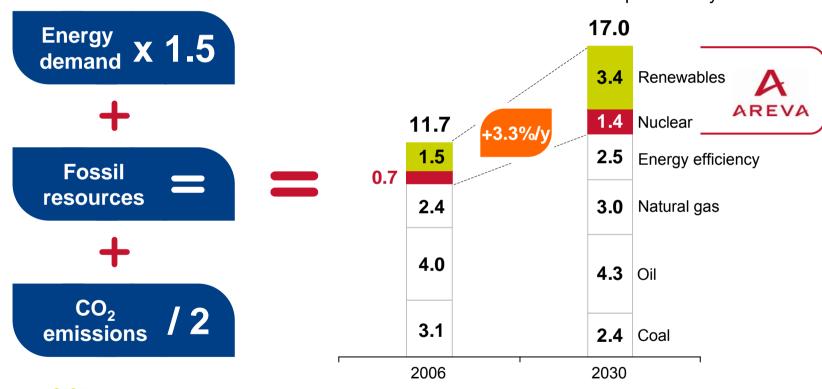
* Including Uramin acquisition 1.6bn€



AREVA captures growth through its low carbon strategy aligned with world energy challenges

Global energy mix

Billions of metric tons of oil equivalent / year



Our mission: enabling everyone to have access to even cleaner, safer and more economical energy

Source: World Energy Outlook 2008 stabilization 450 ppm" scenario, AREVA

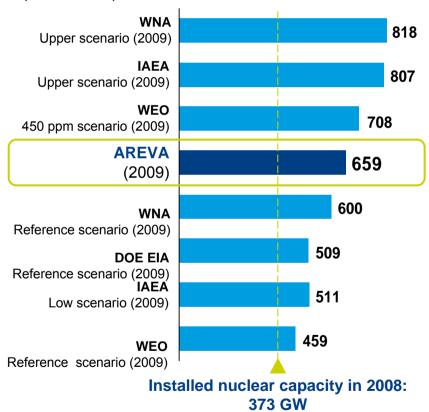


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A consensus of forecasts for a strong growth of the installed nuclear capacity by 2030

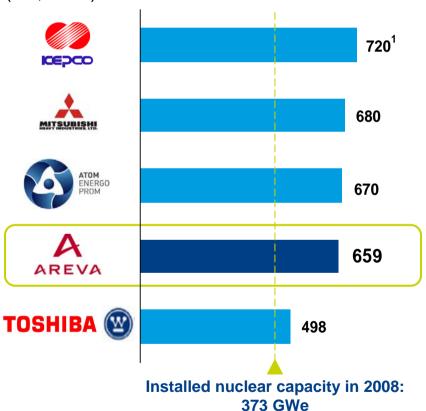
International organizations' forecasts

Global installed nuclear capacity in 2030 (net , GWe)



AREVA's competitors' forecasts

Global installed nuclear capacity in 2030 (net, GWe)



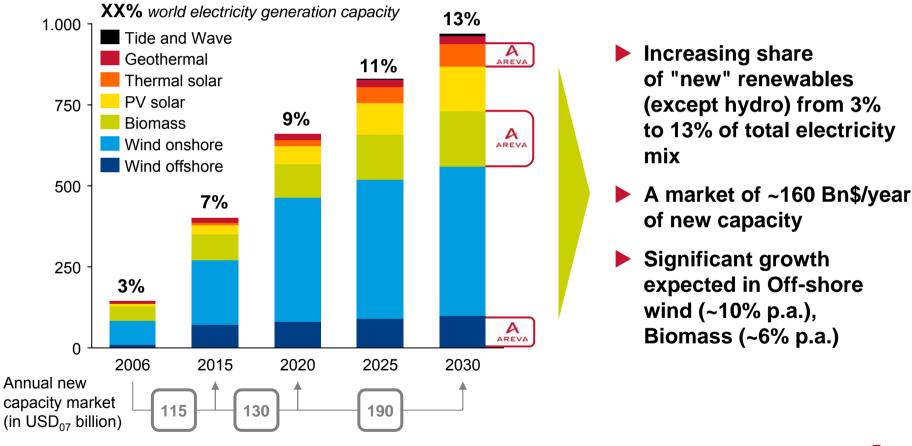
1. AREVA estimation based on the Kepco announcement of its commercial target (80 reactors before 2030 for 20% of the market) Source: AREVA 2009 Strategic action plan; Annual reports







Capacity installed for renewable energies (GW)





Source: WEO 2008, ETP, EIA (2008)

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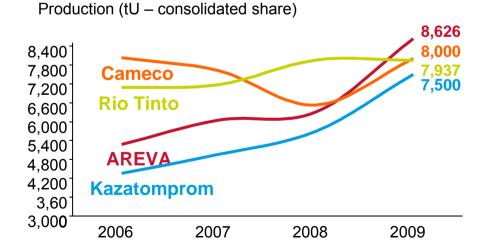
Mining: a diversified portfolio securing production on the long term



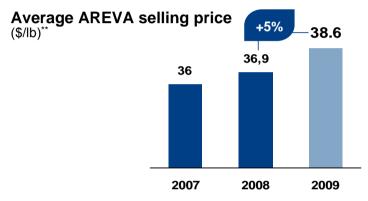
Main competitive advantages

- Diversified mining portfolio
- Resources level and sustained exploration effort
- Long term contracts and significant backlog

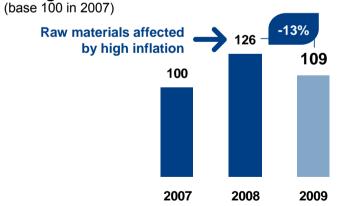
AREVA: N°1 position in production in 2009



Performances



Mining Production Costs



Spot price at 31/12/2008: \$52/lb Spot price at 31/12/2009: \$44.5/lb





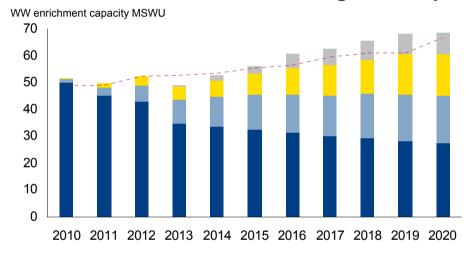
Enrichment: a secured and stable business model



Main competitive advantages

- ▶ Worldwide leader with 20%+ market share
- Secured and stable business model
 - ◆ GBII production until 2020 is sold at ~90%
 - EREF production until 2025 is sold at ~50%
 - most of enrichment costs are fixed
- Safe, reliable & cutting edge technology for new enrichment facilities that are on schedule and on budget
- ► A fruitful partnership through the entry of several utilities since 2008 in GBII capital

New projects are needed to meet enrichment demand and to bridge the Gap









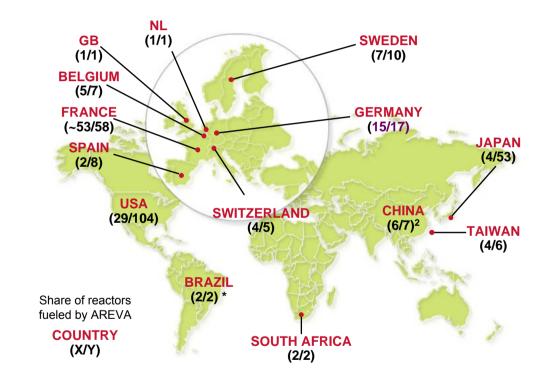
Fuel: AREVA covers more than 40% of global needs*



Main competitive advantages

AREVA reached N°1 position in production in 2009

- AREVA is the reference provider in fuel assemblies design & fabrication
- Long term contract and fleet approach providing business predictability
- Ability to leverage AREVA's integrated model to propose front-end integrated offers and performance partnership





AREVA provides fuel for 91% of its reactor installed base and for 23% of its competitors' installed base



^{*.} for PWR and BWR technologies

^{2.} Local Fuel makers using AREVA NP Technology



Industrial developments

Mine site development

Priority given to organic growth











Enrichment Georges Besse II - France

- Spinup of the first cascade achieved in 2009
- ► First production scheduled for late 2010
- Production at full capacity in 2016

Uranium conversion: Transition Comurbex I → Comurbex II

- Replacing and modernizing production capacity
- Investing in 15,000 metric tons of capacity/year
- Civil works have started

Enrichment - Eagle Rock - *United States* **Securing financing**

- ▶ \$2 billion loan guarantee received from DOE
- Evaluation criteria: reliability of the proposed technology, innovation and financial strength
- Construction will begin in 2011 subject to licensing and the necessary diplomatic agreements

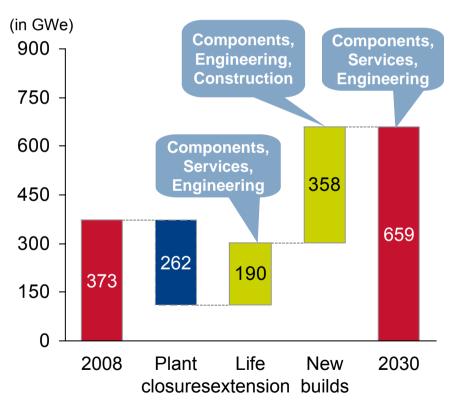




R&S activities include new build and installed base business



AREVA's market scenario for installed capacity - Focus on Reactors & Services



Installed base business

- Power upgrade, life extension & major modernization projects
- Provide instruments & control equipment, electrical systems



New build business

- Design and licensing of nuclear reactors
- Prepare and execute new NPP large projects
- R&D for new reactor technologies

Accessible market* of 260 GW: Strong growth potential

AREVA

^{*} World market excluding Russia & CEI (52 GW), Japan (25 GW), South Korea (17 GW), North Korea, Iran and Pakistan Source: Strategic Action Plan AREVA 2009

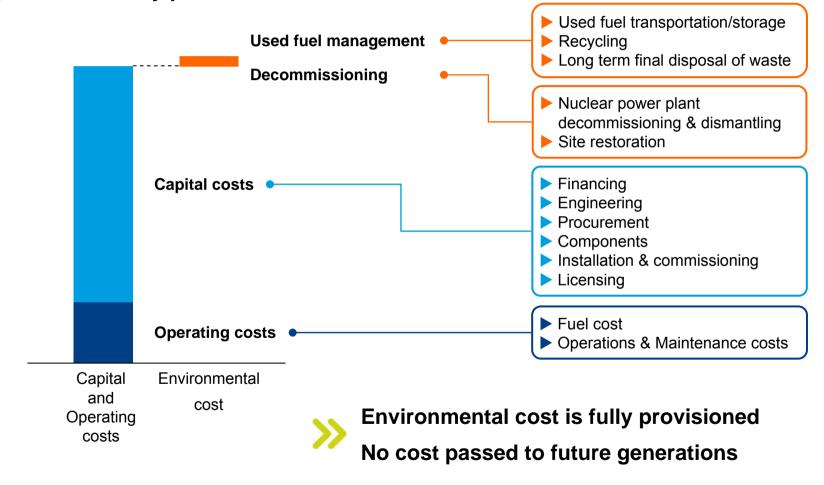




Nuclear production cost is transparent and comprehensive



Total electricity production cost



Source: AREVA analysis



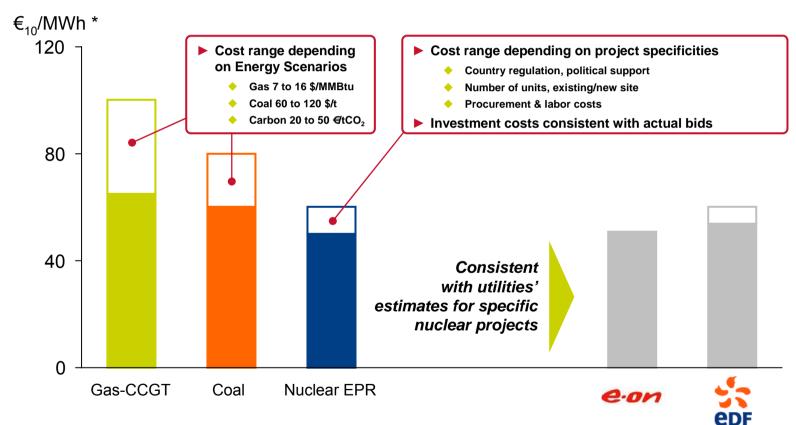


Nuclear Energy competitiveness

Comparison of production costs in Western Europe



Baseload operations – commissioning in 2020



Source: AREVA analysis, E.ON and EDF communication (2008) Investment costs and commodity prices based on AREVA assumptions

* levelized cost of electricity



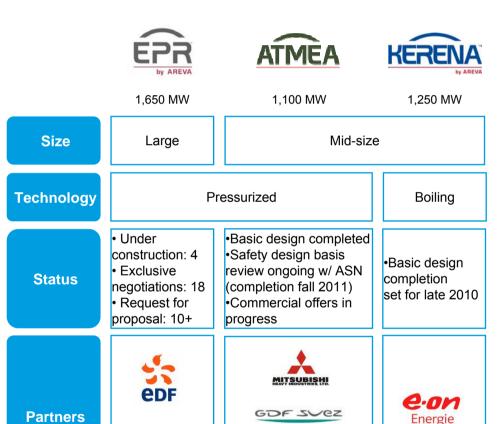


AREVA benefits from strong competitive edge



AREVA' reactor range meets market needs...

... with a competitive value proposition



- ► Highest safety standards
 - Air plane crash protection
 - Core meltdown protection systems
 - Avoidance of nuclear materials discharge
- Amongst lowest levelized cost of electricity
 - Investment cost per MW close to other technologies in recent bids
 - Up to 25% lower operations cost
- Excellent operational performance
 - Optimized outage strategy with fuel cycle flexibility
 - Increased closed cycle profitability with 100% MOX compatibility



edf

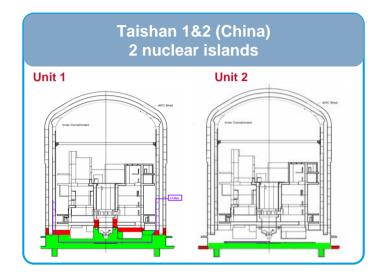
e-on Energie



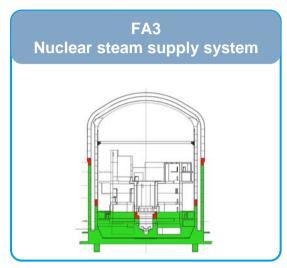
OL3 (Finland) Turnkey power plant

- Concrete seal of the dome complete
- ► Main civil works complete
- Engineering work nearing completion
- ► Reactor vessel installed
- Architecture of the I&C system accepted
- ► Startup of nuclear operations for late 2012

4 EPR in construction



- ► Unit 1: installation of 3rd reactor liner ring
- ► Unit 2: 1st concrete poured
- ► Engineering work nearly 52% complete
- ▶ 75% of procurement orders placed (in €)
- ► The main primary components are being manufactured
- Concrete work completed
- Rebar is being installed concrete comes next
- The reactor's containment liner has been installed



- ➤ 90% of procurement orders placed (in €)
- Engineering work nearly 80% complete
- Heavy component manufacturing continues: the reactor vessel will be available late 2010
- Installation of first equipment (AREVA's scope)



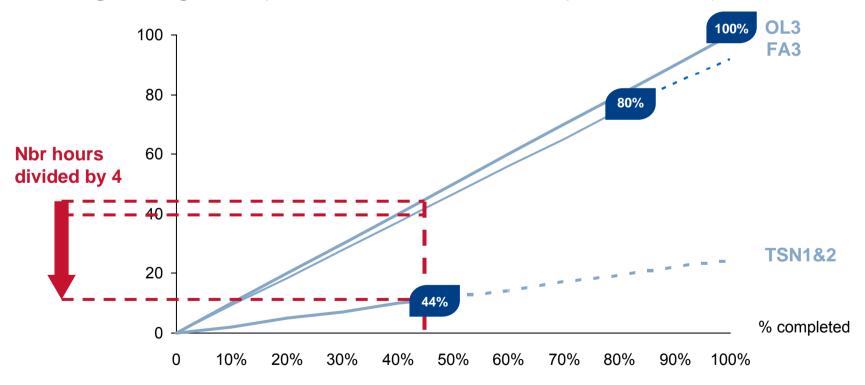


Engineering for EPR reactors: the value of lessons learned



► Progress indicator for EPR reactor engineering work (nuclear steam supply systems - NSSS)

Engineering hours (June 2010 - rebased 100 - compared with OL3)



Source: AREVA

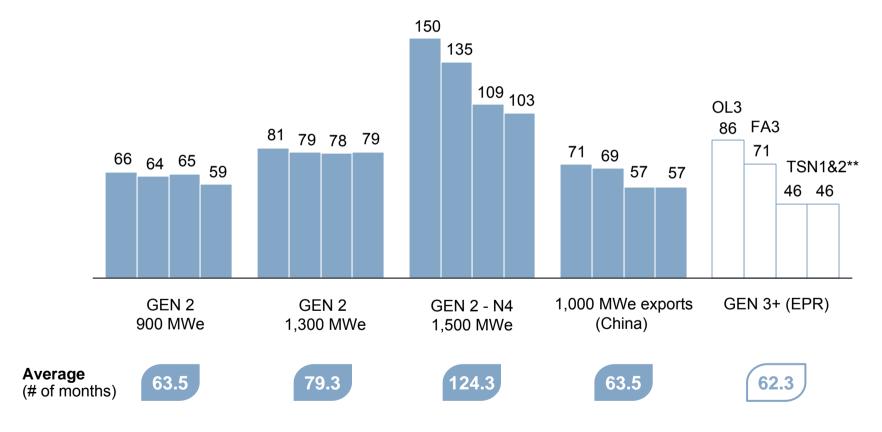




EPR reactors: average estimated construction time in line with previous reactor series



Construction time between the first concrete pour and startup of nuclear operations (# of months)*



^{*} based on the first four units of the reactor series



^{**} Source: CGNPC

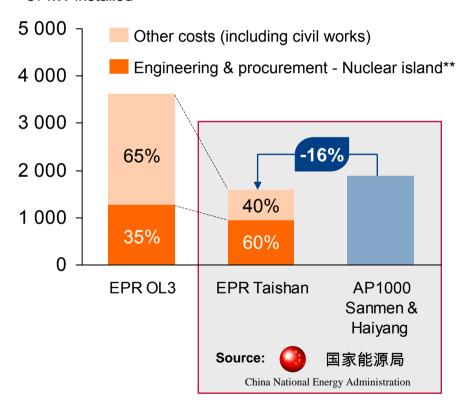


EPR reactor competitiveness with competing generation 3+ reactors



Capital cost* - The Chinese example





- Impact of lessons learned with the Finnish and French EPR reactors
- "Redesign to cost" initiative for Nuclear Steam Supply System work
- Cost basis optimization through partnerships with local suppliers
- Cost cutting opportunities, particularly in areas other than engineering and procurement for the nuclear island
- Performance achieved at the Taishan EPR reactor project in China illustrates the potential for optimization
- Ongoing initiatives to implement the same approach in other regions of the world



^{*} Exchange rate used: CNY / EUR average for 2009: 9.47

^{**} Scope of work: nuclear island excluding installation / construction / testing / civil works Source: China National Energy Administration (Dec. 2009); AREVA analysis



Developments in the back end of the cycle expected by 2012



- An agreement has been signed with EDF
 - Visibility in this area of activity up until 2040
 - From 2010, the annual amount re-processed in The Hague will increase from 850 to 1,050 tonnes and the amount of MOX produced in Melox will increase from 100 to 120 tonnes
- New MOX fuel fabrication contracts for Japanese customers
- United States: construction of a MOX plant in Savannah River
 - 1st new build, authorised by the NRC, under construction in the US
 - Construction 44% complete, on schedule and within budget
 - Startup scheduled for 2016
- ► China: plans to construct a treatment and recycling plant
 - Joint declaration by the Governments of China and France in December 2009
 - In-depth discussions between AREVA and CNNC





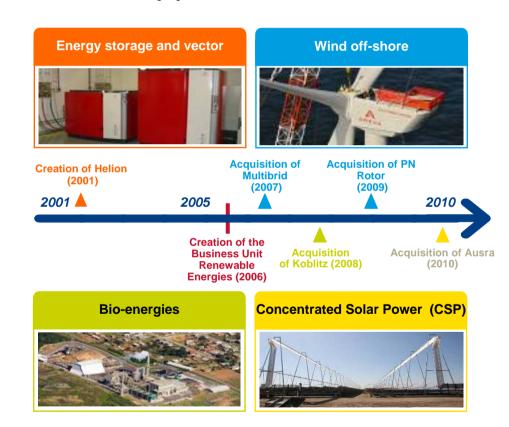
Renewable energies portfolio complements the CO₂-free offer of the group



Main competitive advantages

- Expanding portfolio of best-in-class renewable energies solutions
 - Most powerful off-shore wind turbine in operation (5 MW)
 - Significant EPC expertise for biomass
 - Most efficient Solar CSP technology
 - Leading edge expertise in hydrogen technologies
- Major achievements
 - Installation of the first German offshore wind farm in 2009
 - Number 1 in bio-energies with a 2.4GW installed base
- ► €1.1Bn backlog in 2009 (x7 vs. 2008)
- ► Target 2012: €5bn backlog by 2012

The development of a portfolio for leadership position





Our Vision: Leadership driven by Innovation



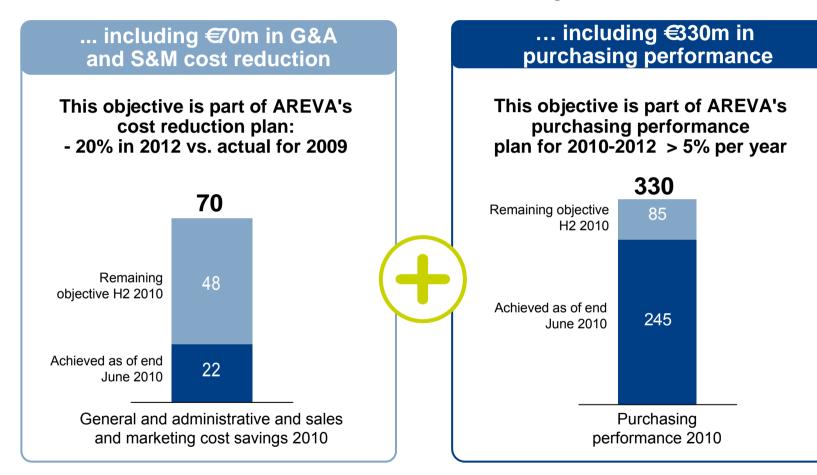
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Implementing AREVA's cost reduction plan 2010 objective: €400m...







2010 Objective: 66% reached on June 30







Operating WCR (in millions of euros)

| | H1 2009 | H1 2010 | Δ 10/09 |
|--------------------------------|---------|---------|---------|
| Mining/Front End BG | 1,629 | 1,578 | €(51)m |
| Reactors & Services BG | (137) | (309) | €(172)m |
| Back End BG | (1,083) | (1,120) | €(36)m |
| Renewables BG | (18) | 80 | +€98m |
| TOTAL Operating WCR of the BGs | 391 | 229 | €(162)m |

() = source; + = use of cash





Focus on operational performance by BG



| | Contribution to the group's performance in 2010 | Short term factors | Trend for 2012 |
|-----------------------|---|---|-------------------|
| Front End | + | Uranium price volatility Managing the technology transitions from GBI to GBII and CXI to CXII* | 7 |
| | Services + | • OL3 | |
| Kaa | New Builds except OL3 0+ | The value of lessons learned from EPR | |
| | OL3 | - projects | |
| Back End | ++ | Business in France secured through 2040Export projects | → |
| Renewable Energies | | • "Startup" effect | 7 |



^{*}Georges Besse I and Georges Besse II / Comurhex I and Comurhex II

Strengthening AREVA's financial resources



Development plan approved June 30, 2009: operations achieved / cash generated: €5bn

Sale of financial assets



► Finalized in 2009 → €1.0bn (GDF-Suez /Total)

Sale of minority interests in strategic assets



- ≥ 2009 program finalized → €500m
- Other sales anticipated by 2012

T&D disposal



- ► Transaction closed on June 7, 2010
- ► Gain: €1.3bn
- ► Cash generated: €3.1bn

Announcements made on July 27, 2010: pending actions

► Before the end of 2010: open up capital to the value of 15%, to strategic and financial investors with whom the Group already started negotiations

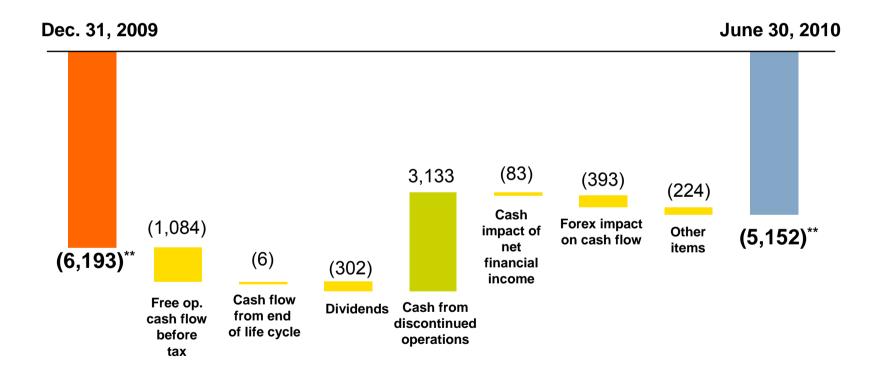


Reduction in net debt

In millions of euros

Equity as of June 30, 2010: €8,672m

Debt ratio*: 59%



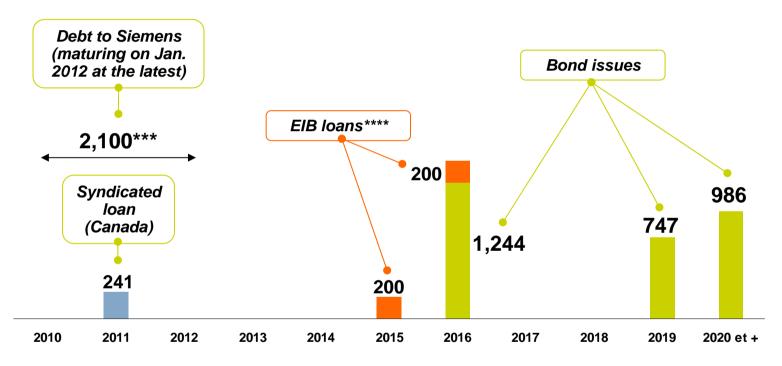
^{*} Net debt / Equity



^{**} Debt to Siemens at 2007 value, i.e. €2.049bn plus accrued interest

Average debt maturity is more than 8 years as of June 30, 2009*





- ► Syndicated facility for Uramin acquisition was repaid in June 2010 (\$1.9 bn)
- ► Repayment of debt to Siemens in January 2012 at the latest (maturity date as per contract)
- No major debt maturing before 2016 (excluding debt to Siemens)
- ► S&P rating: BBB+/A2 with stable outlook

*Excluding debt to Siemens ** Main medium/long term financial obligations*** Debt to Siemens at 2007 value, i.e. €2.049 bn plus accrued interest **** European Investment Bank



Q&A

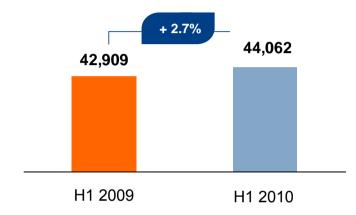


Appendices: H1 2010 group results

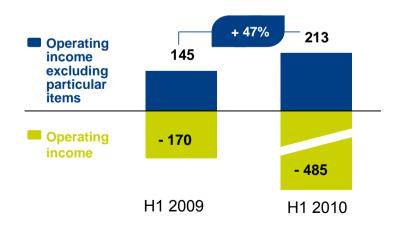


Key indicators

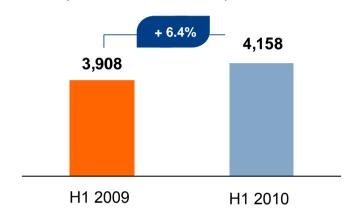
Backlog (in millions of euros)



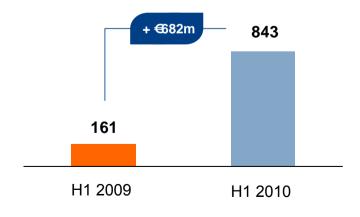
Operating income (in millions of euros)



Sales (in millions of euros)



Net income group share (in millions of euros)





Financial highlights of the first half of 2010

| In millions of euros | H1 2009 | H1 2010 | Δ 10/09 |
|--|-------------------------|--------------------------|-----------------------------|
| Backlog | 42,909 | 44,062 | + 2.7% |
| Revenue | 3,908 | 4,158 | + 6.4% |
| Operating income excluding particular items % of revenue | 145 3.7% | 213 5.1% | + €68m + <i>1.4 pt</i> s |
| Disposals / new partners - Mining/Front End assets* Project provisions** | 247 (562) | 19 (417) | |
| Reversible accounting adjustment on Mining assets value | - | (300) | |
| Operating income | (170) | (485) | €(315)m |
| Net income Group share Net earnings per share | 161 <i>€4.55</i> | 843 <i>€23.82</i> | + €682m + <i>19.27</i> € |
| Operating cash flow before Capex | (336) | (99) | + €237m |
| Free operating cash flow | (805) | (1,084) | €(279)m |
| | Dec 31, 2009 | June 30, 2009 | |
| Net debt | 6,193 | 5,152 | €(1.041)bn |

Organic growth* + 5.6%

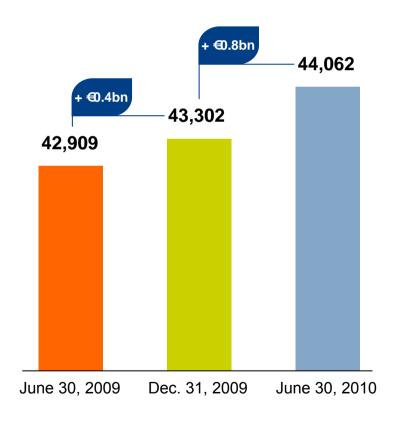


Including 191 million euros for sales of minority interests in the GBII enrichment plant in 2009; Including 367 million euros in 2010 and 550 million euros in 2009 for the OL3 project in finland;

at constant consolidation scope and exchange rates

Backlog: + 1.2 billion euros year-on-year

Backlog (in millions of euros)

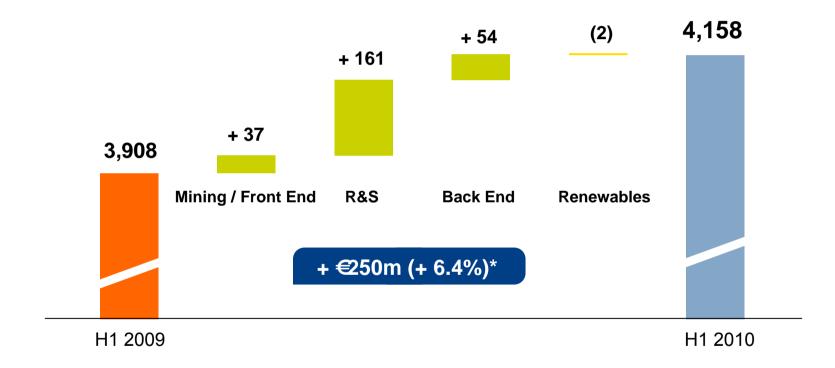


- Buoyant commercial activity for recurring business
- ► Expansion in renewables



Growth in all nuclear businesses

Revenue (in millions of euros)

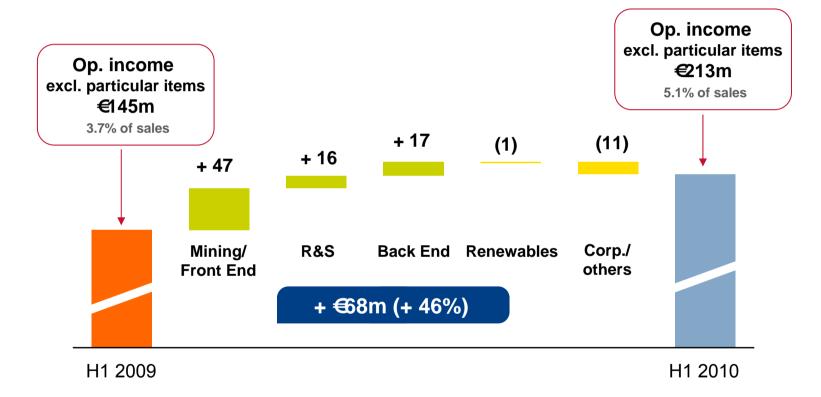




^{* + 5.6%} at constant consolidation scope, accounting methods and exchange rates Average exchange rate euro / dollar for AREVA: H1 2010: 1.325 vs. H1 2009: 1.384

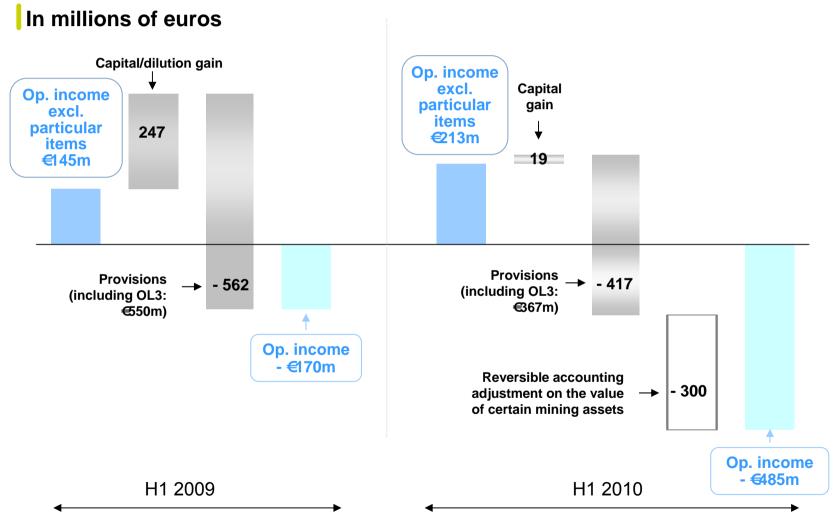
Increase in operating income excluding particular items

Operating income excluding particular items (in millions of euros)





Reconciliation between operating income excluding particular items and operating income





Additional OL3 provision

- Major civil works finalized Reactor vessel installed Piping ramp up well under way - Preparing for commissioning
- ► New schedule contemplating startup of nuclear operations at the end of 2012
- ► Additional provision recognized for €367 million to reflect the new schedule and conditions for the last phases of the project as notified to TVO (piping, testing and commissioning, instrumentation and control systems)
- Cumulated provisions recognized to date on the contract: 2.6 billion euros



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Reversible accounting adjustment on mining assets

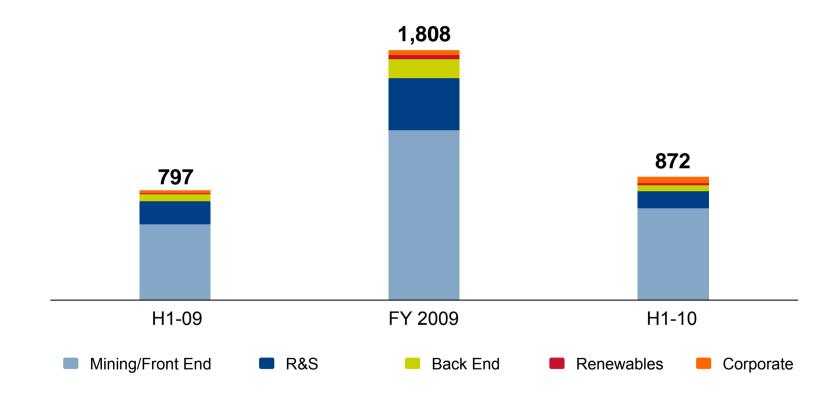


- AREVA performs impairment tests on all mining assets as provided in IAS 36.
- ► The value of AREVA's mining assets taken as a whole was and is still largely greater than carrying costs at December 31, 2009, based on prospective uranium market data available as of that date
- ► Analysis of the new prospective uranium market data published in the second quarter of 2010, led to the recognition, in accordance with IFRS accounting principles, of a €300m impairment on the value of certain mining assets
- ► This accounting adjustment, representing around 6% of the book value of AREVA's mining assets, is non cash and subject to reversal



Capital expenditures

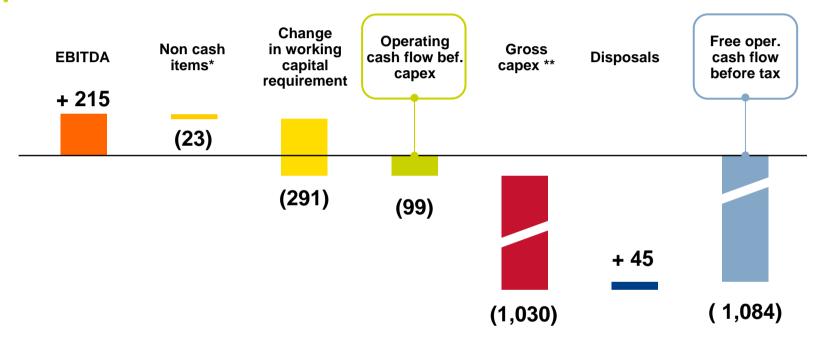
Gross capex excluding external growth operations (in millions of euros)





Free operating cash flow before tax

In millions of euros



- Increase in EBITDA excluding particular: + €195m vs. H1 2009
- Lesser use of WCR in H1 2010 (- €291M vs. €413m in H1 2009)
- ► Implementation of capex programs in Mining and Enrichment + acquisitions in Renewables



^{*} with an impact on operating income ** Including acquisitions (mainly €158m in Renewables)

Notice

▶ Forward-looking statements

This document contains estimated information and forecasts These statements include financial forecasts and estimates as well as the assumptions on which they are based, statements relating to projects, objectives and expectations concerning future operations, products and services or future performance. Although AREVA's management believes that these forecasts are reasonable, AREVA investors and holders of securities are alerted to the fact that these forecasts are subject to numerous risks and uncertainties that are difficult to foresee and generally beyond AREVA's control. This may mean that expected results and developments differ significantly from those expressed, projected in the estimated information and induced statements. These risks include those developed or identified in the public documents filed by AREVA with the FMA, including those listed in the "Risk Factors" section of the Reference Document registered with the FMA on 29 March 2010 (which may be read online on AREVA's website: www.areva.com). AREVA makes no commitment to update the estimated information and forecasts, except as required by the applicable laws and regulations.



