

2011 First half results

Luc OURSEL, Chief Executive Officer
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Thursday, July 28, 2011



Agenda



▶ Introduction

- ▶ Post Fukushima nuclear market developments and immediate impact on AREVA
- ▶ 2011 first half group performance
- ▶ 2011 first half performance by business group
- ▶ Financial results

Market highlights



- ▶ **Fukushima accident: earthquake and tsunami on March 11, 2011**
- ▶ **Status of Japanese nuclear fleet: 37 reactors stopped out of 54**
 - ◆ Automatic shut down of 14 reactors following earthquake (including 6 Fukushima Daiichi reactors)
 - ◆ 13 reactors were in outage phase or extended break at the time of the accident, 10 more have entered programmed outage phase since then
- ▶ **Immediate government reactions**
 - ◆ Most government confirmed their nuclear programs
 - ◆ Safety checks were announced in most countries
 - ◆ Decision from Germany to shut down 8 reactors built before 1980 and to phase out nuclear by 2022
 - ◆ Switzerland announcement of nuclear phase out by 2032
 - ◆ Italian referendum cancelling new build program
- ▶ **Market indicators in front-end marginally affected**
 - ◆ UxC uranium LT* price decreased progressed from 66\$/lb TO 68 \$/lb in H1 2011
 - ◆ UxC SWU LT* price progressed from 155\$/SWU to 155,5\$/SWU in H1 2011

* Indicators average published by UxC and Tradetech between 31/12/2010 and 30/06/2011

Group highlights (1/3)



▶ Siemens exit of AREVA NP's capital

- ◆ Independent expert valuation of 34% stake in AREVA NP: €1,620m (vs €2,049m included in 2010 financial debt) – payment by AREVA in March 2011
- ◆ Ruling of the compliance with shareholders agreement in favor of AREVA: €648m penalty applied to Siemens – payment by Siemens in May 2011
- Net debt reduction by €1,082m
- Impact on cash-flow from operations before investments: +€648m

▶ Disposal of stake in STMicroelectronics: +€696m cash in

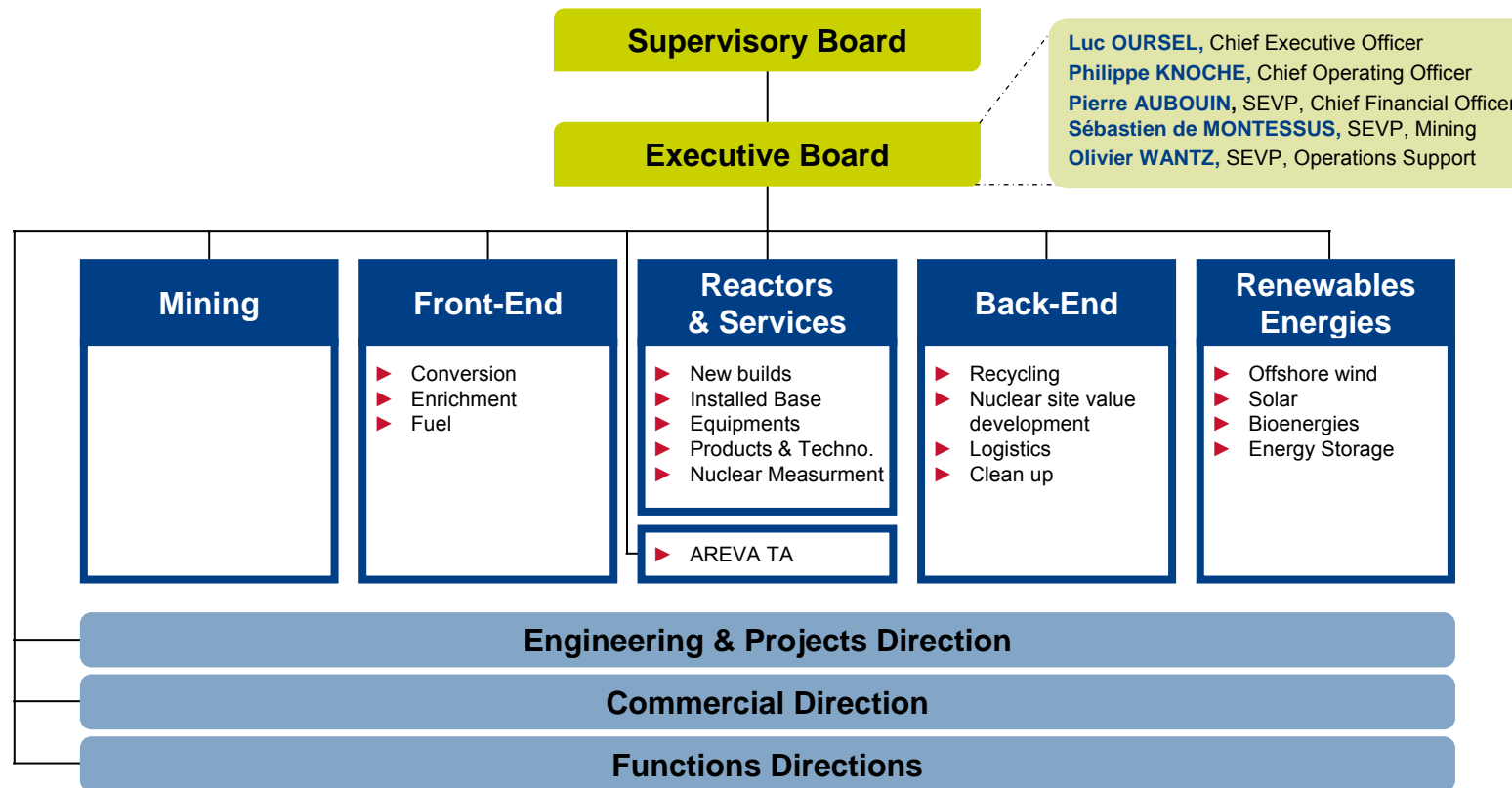
▶ Listing of AREVA's ordinary shares

- ◆ First trading on May 30, 2011
- ◆ All AREVA's capital is now composed of ordinary shares
- ◆ Shareholding structure remains unchanged

Group highlights (2/3)

▶ AREVA governance: nomination of AREVA's new Executive Board on June 30, 2011

◆ January 2010 organization remains unchanged



Group highlights (3/3)



The Executive Board will work as a college with associated Directors...

... and will rely on specialized committees with large level of delegation

Executive Board Meetings

Luc OURSEL, Chief Executive Officer

Philippe KNOCHE, Chief Operating Officer

Pierre AUBOUIN, SEVP, Chief Financial Officer

Sébastien de MONTESSUS, SEVP, Mining

Olivier WANTZ, SEVP, Operations Support

Arnaud de Bourayne, SEVP, Executives Career & Organisation

Pierre CHARRETON, Chief Administrative Officer,
Group General Counsel

Benjamin FREMAUX, SEVP, Strategy and M&A,
Secretary to the Executive Board

Michel-H. JAMARD, SEVP, Communications

Ruben LAZO*, SEVP Chief Commercial Officer

Philippe VIVIEN, SEVP, Human Resources

Operations Committee

Major Offers Committee

Major Projects Committee

Human Resources Committee



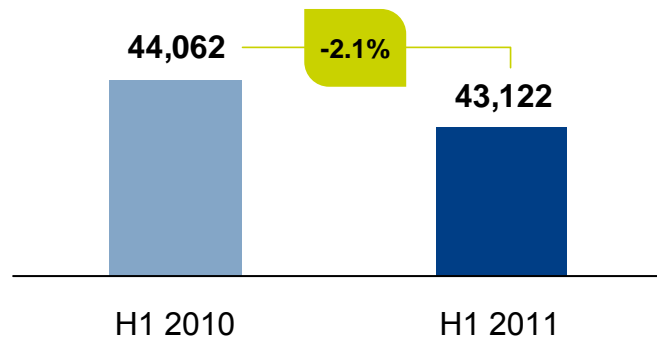
A renewed Executive Board, collegiate and close to operations

* From September, 1st 2011

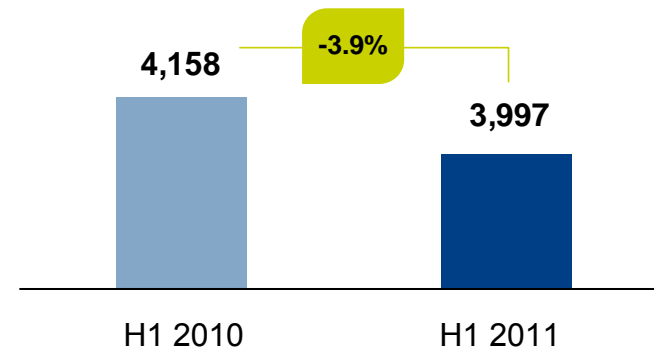


Key figures

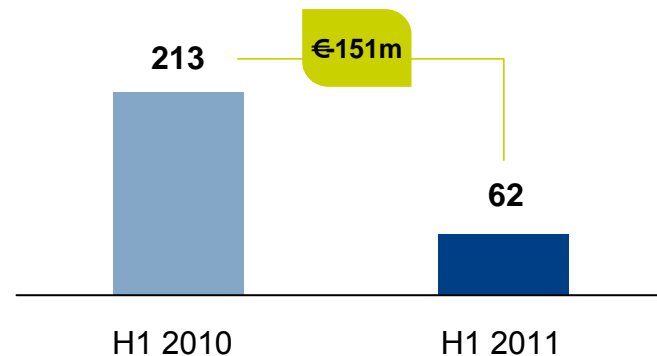
Backlog (in millions of euros)



Revenue (in millions of euros)



Operating income (in millions of euros) Excluding particular items

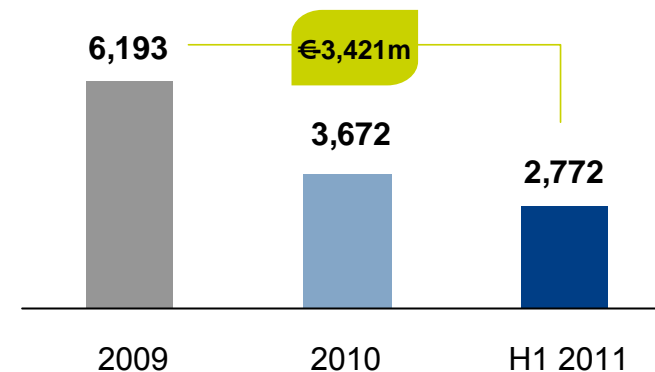


Reported operating income

€485m

€110m

Net debt (in millions of euros)



Gearing

45%

28%

22%

Agenda



▶ Introduction

▶ **Post Fukushima nuclear market developments and immediate impact on AREVA**

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Post Fukushima nuclear market developments and immediate impact on AREVA



- 1 Fukushima: accident due to a natural disaster**
- 2 The context post-Fukushima creates new challenges but nuclear perspectives remain solid**
- 3 Fukushima's events confirm the relevance and the legitimacy of AREVA's business model**

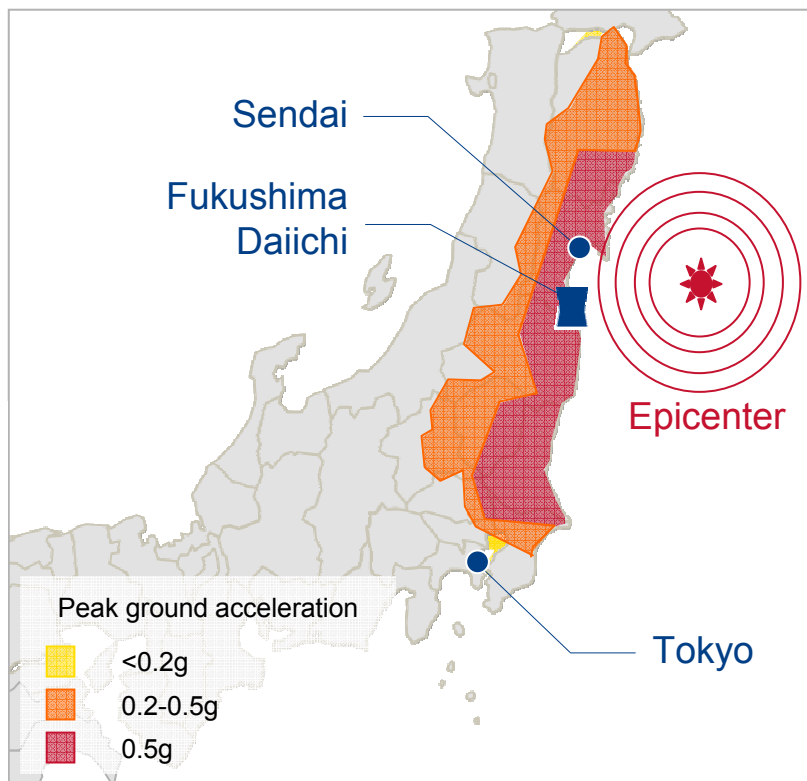
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March 11th: Japan has been stricken by an earthquake and the tsunami that followed



9.0 magnitude seism on Richter scale
at ~100 km of Japanese East coast...

... followed by a tsunami



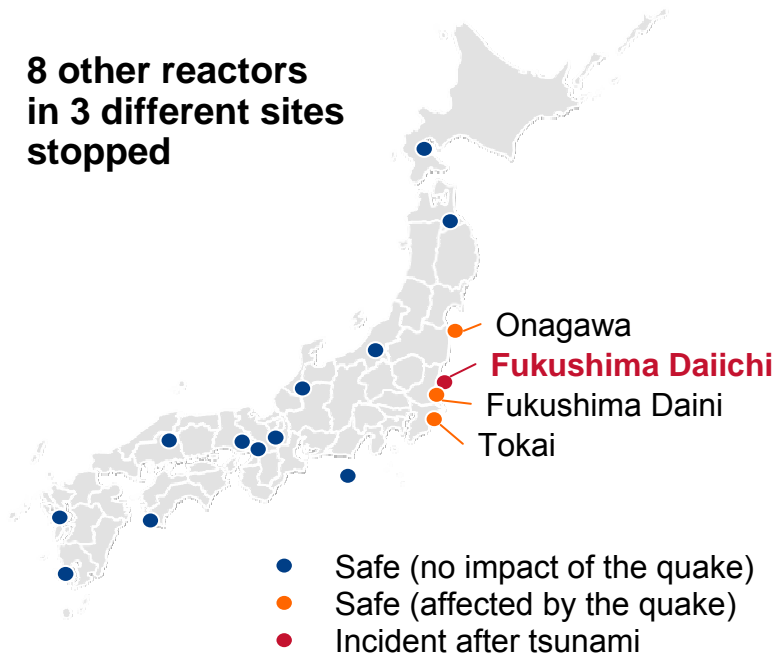
Decryption of the Fukushima events

14 of the 54 units in Japan shut down due to earthquake and tsunami

▶ 6 Fukushima Daiichi reactors shut down

- ◆ Units 1 to 4 stopped: partial core meltdown, damaged buildings
- ◆ Units 5 and 6 in safe shutdown, no core nor containment damage

▶ 8 other reactors in 3 different sites stopped



What went wrong on the damaged units

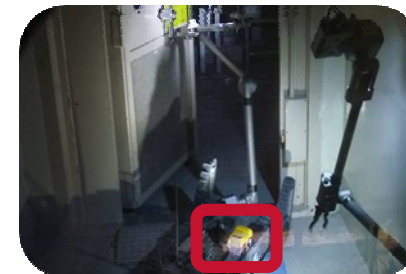
- ▶ Combination of exceptional and sudden natural events
- ▶ Loss of cooling function
- ▶ Hydrogen release leading to explosions
- ▶ Plant contamination makes on-site intervention more difficult
- ▶ Uninsufficient measurement means
- ▶ Crisis management made difficult due to the wideness of the catastrophe



Immediate reaction of AREVA

Support to Japanese authorities and TEPCO from day 1

- ▶ Shipping of equipments and AREVA specialists sent to Japan
- ▶ Support to the definition and the execution of Japanese recovery strategy
- ▶ Water decontamination



Mobilization of AREVA resources all around the world

- ▶ Set up of technical committees gathering experts in BWR designs, severe accident analysis and radiation protection
- ▶ Portfolio of solutions elaborated for AREVA's customers



Stakeholders communication

- ▶ Proactive communication towards
 - ◆ Safety authorities
 - ◆ Decision makers
 - ◆ Public



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AREVA's solutions as part of the recovery plan

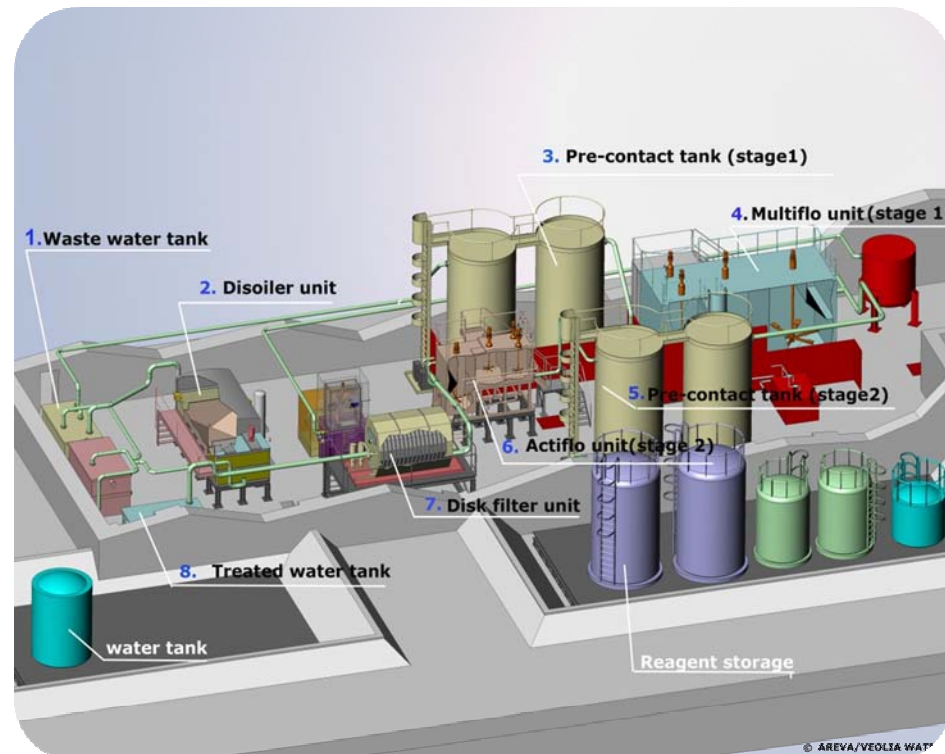
Ongoing: treatment of contaminated water

▶ AREVA's scope of activity:

- ◆ AREVA developed treatment solution with VEOLIA Water
- ◆ Co-precipitation treatment process (used since a long time in La Hague and Marcoule)
- ◆ Technical assistance for the installation and the commissioning of the solution

▶ Results to date:

- ◆ Radioactivity of the treated water sharply reduced, allowing reuse in the cooling systems
- ◆ First equipment delivered May 11
- ◆ Installations operational since June 17; close to 30,000 tons of water treated at the end of July (i.e. ~25% of the accumulated volume)



To be defined

- ▶ Damaged fuel management
- ▶ Site clean up

Post Fukushima nuclear market developments and immediate impact on AREVA



- 1 Fukushima: accident due to a natural disaster
- 2 The context post-Fukushima creates new challenges but nuclear perspectives remain solid
- 3 Fukushima's events confirm the relevance and the legitimacy of AREVA's business model

In this context, fundamentals for nuclear industry remain unchanged



Nuclear drivers

Need for electricity production capacity

Climate change

Supply security

Fossil energy

Construction and operating costs

Financing

Acceptability

Fundamentals

▶ Need for new electricity production capacities unchanged to meet growing demand (energy demand multiplied by 2 by 2050)

▶ Climate change remains a priority (greenhouse gas emissions cut by half by 2050)

▶ Need for an increased security of supply in a changing geopolitical environment

▶ Limitation of resources
▶ Short and middle term perspectives show rising prices of fossil energies

▶ Marginal impact on Gen3 new builds, and limited impact on existing plants

▶ Access to financing restricted to nuclear projects with high level of safety, in line with safety authorities requirements

▶ Public acceptance shaken
▶ Favors nuclear technology leaders and experts providing highest standards for safety and security

Most governments carry on supporting nuclear energy



Most governments have confirmed their nuclear programs despite potential delays

- ▶ Safety checks of nuclear plants (existing and planned) launched
- ▶ New Build:
 - ◆ British Parliament confirmed UK nuclear new builds program
 - ◆ Polish parliament voted for 90% in favor of a new nuclear program
 - ◆ China, India, Finland, Czech Republic, South Africa... confirmed their New Build programs. Some short-term delays as part of the safety check process.
- ▶ Germany and Switzerland decided to gradually phase-out nuclear
- ▶ Italy canceled its new build program by referendum

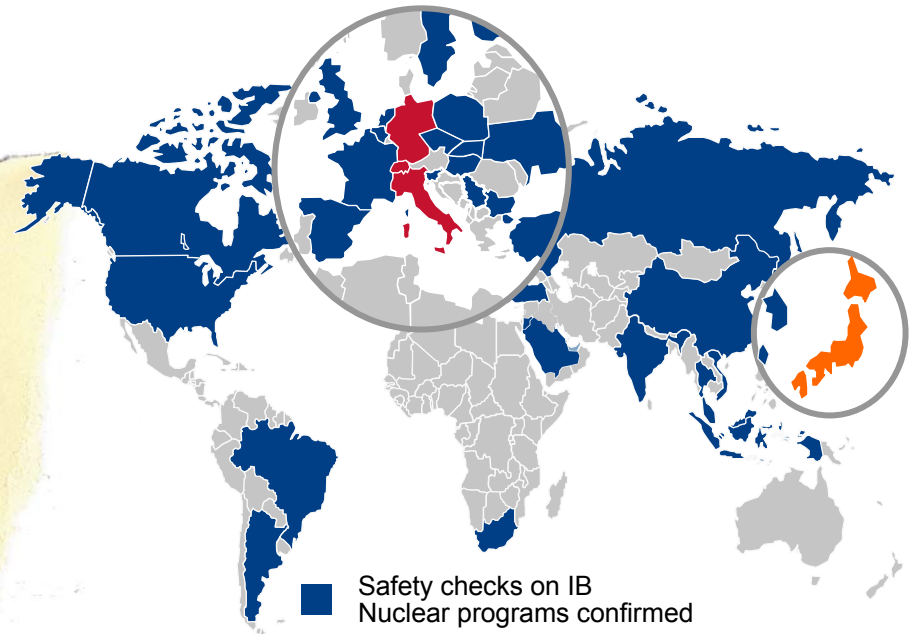
« I see no reason why we should not proceed with our current policy: namely that nuclear should be part of the future energy mix... » - UK Secretary of State – May 18, 2011

« The schedule that foresees the selection of the winner by 2013 remains valid. Development of nuclear energy is the country's absolute priority even after the March 11 accident at Japan's Fukushima Daiichi atomic plant » - Czech Republic Prime Minister – March 29, 2011

« Fukushima accident will not affect China's long term strategy and commitment to develop safe and efficient nuclear power [...] China remains totally committed to the peaceful use of nuclear power » - Secretary General of CNEA (China Nuclear Energy Association)

In presence of Angela Merkel, Prime Minister Manmohan Singh reasserted that India needs nuclear energy to meet its emission targets. He confirmed the 20GW in 2020 generation target - Indian Ministry of External Affairs - May 31, 2011

- ◆ No ongoing construction is stopped, except Japan



- Safety checks on IB
Nuclear programs confirmed
- Safety checks on IB
NB program frozen/construction halted
- Progressive nuclear phase-out



Conditions for public acceptance will be more demanding



3 pillars for further nuclear industry development



Promote highest safety and security standards

Promote AREVA's core technologies and competences

Remain a reference regarding the group's industrial footprint

Post Fukushima nuclear market developments and immediate impact on AREVA



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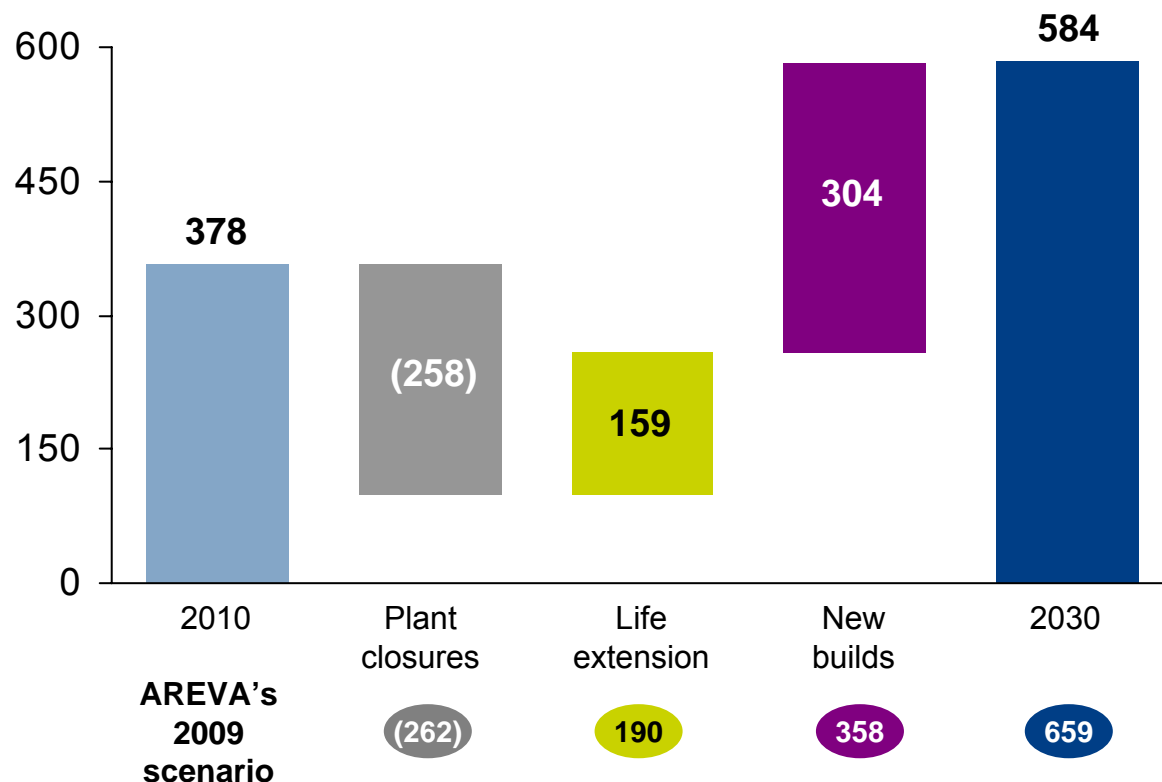
Expected growth in installed capacity: +2.2% p.a. by 2030



AREVA's nuclear market scenario (in GWe)

Reassessed at end June 2011

Best estimate to date



- ▶ The leading nuclear agencies have not published new post-Fukushima forecasts as of today
- ▶ On July 27, 2011, IAEA Chairman Yukiya Amano said *“Despite Fukushima Daiichi, global use of nuclear power will continue to grow in the coming decades and will remain an important option for many countries”*



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



Demand remains strong on installed base



- ▶ **95% of nuclear utilities are AREVA's customers**

- ▶ **Full range of products and services to be provided to installed base:**
 - ◆ **Front-End services**
 - ◆ **Maintenance and upgrade services**
 - ◆ **Recycling services**
 - ◆ **Dismantling services**

- ▶ **Additional service opportunities arising from improvements post Fukushima**

» **Over 80% of AREVA's revenues come from recurring activities**

Focus on safety upgrades could reach €100-200m per plant depending on the requirements



Type of upgrade	“On the shelf” products and services currently proposed by AREVA	Tailored solutions or products to be developed by AREVA	
Prevention from severe accidents	<ul style="list-style-type: none"> ▶ Safety Analysis ▶ Flooding Protection ▶ Hardened Emergency Diesel Generator Systems ▶ Hardened 3rd grid Connections ▶ Flood Proof Motors ▶ Additional connections for Mobile Power Sources <p>€10m to €40m</p>	<ul style="list-style-type: none"> ▶ Standardized, diverse, external hazard proofed emergency power & feed water supply building ▶ New bunkered and remote back-up control room ▶ New passive fuel pool cooling system <p>Over €100m</p>	<ul style="list-style-type: none"> ▶ Typical total cost for the upgrades could reach between €100m and €200m per plant ▶ The cost of the safety upgrade for a plant will be highly dependent on 2 factors: <ul style="list-style-type: none"> ◆ The level of requirements by the safety authorities ◆ The current level of compliance of the plant
Mitigation of severe accident measures	<ul style="list-style-type: none"> ▶ Containment Venting Systems ▶ Post-Accident Sampling Systems ▶ Loss of cooling accident proof cables <p>€5m to €20m</p>	<ul style="list-style-type: none"> ▶ Accident management mobile equipment ▶ Self Monitoring & Control in case of loss of power <p>€30 to €50m</p>	

Indicative estimated cost for the customer



AREVA’s Safety Alliance program: a range of solutions offers responses to upgrades required by lessons learnt from Fukushima



Note: Listed products and services are examples; the total list of possible upgrades is larger



AREVA's positioning on the new build market is reinforced after the Fukushima events



- ▶ Design and licensing of nuclear reactors
- ▶ Prepare and execute new NPP large projects
- ▶ Range of Gen 3 reactors
 - ◆ EPR™ (PWR: 1,650 MWe)
 - ◆ ATMEA (PWR: 1,100 MWe)
 - ◆ KERENA (BWR: 1,250 Mwe)
- ▶ New build addressable market: 196GW over 304 GW of new builds
 - ◆ Excluding ongoing constructions
 - ◆ Excluding unaccessible market (Russia, Korea, Japan)

» The EPR™ reactor has a strong competitive edge for new build projects

The EPR™ reactor would have resisted Fukushima (1/2)



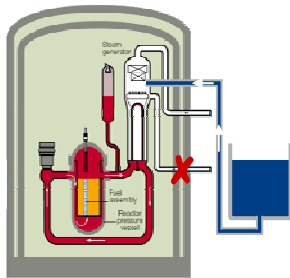
The EPR™ reactor is designed to resist extreme hazards: resistance of structure and equipment

- ▶ Nuclear island stands on a single reinforced concrete basemat
- ▶ Containment building comprises 2 walls:
 - ◆ Inner pre-stressed concrete housing with steel liner
 - ◆ Outer reinforced concrete shell (1.86 m thick) protecting inner walls and structures from direct impacts and resulting vibrations
- ▶ Equipment tested on vibrating tables and through modelling

Availability of the cooling systems

▶ Water supplies

- ◆ 1 tank (1,800M³)
- ◆ 4 backup systems (4x400M³)



▶ Cooling equipment

- ◆ 4 cooling systems located in 4 separate buildings



▶ Generators

- ◆ 6 backup diesel generators





The EPR™ reactor would have resisted Fukushima (2/2)



Pool located in a sturdy fuel building & multiple safety-class cooling

▶ **Sturdy fuel building**

- ◆ Concrete containment building, designed to withstand the crash of a commercial airplane

▶ **Multiple safety-class cooling systems**

- ◆ 2 main independent cooling systems, located in different parts of the building
- ◆ A third diversified cooling system

Explosion risk prevented

▶ **Limiting hydrogen concentration**

- ◆ Reactor building designed with important volumes and communicating compartments

▶ **Reducing hydrogen quantity**

- ◆ Use of hydrogen recombiners

Limited contamination of the site and protection of populations

▶ **Double containment reactor building**

- ◆ No impact outside the building

▶ **Core catcher to confine the molten core**

Renewable activities offer substantial growth potential



Activity

Offshore wind

CAGR 2008-20: +31%*

Concentrated solar power

CAGR 2008-20: +27%*

Bio-energies

CAGR 2008-20: +8%* (non OECD)

Competitive positioning

- ▶ Most powerful turbine in operation (5MW)
- ▶ 14% market share 2009-10 orders
- ▶ Leader on high rated wind turbine
- ▶ Bankability milestone reached

- ▶ Innovative Fresnel technology particularly adapted to desert areas
- ▶ 10-15% lower electricity cost than parabolic trough technology

- ▶ Global leader with about 100 plants operating in the world
- ▶ Leader in Brazil with an installed base close to 2.5GW (bagasse)

Ongoing contracts

- ▶ Alpha Ventus (30MW)
- ▶ GT1 (400MW)
- ▶ Borkum West II (200MW)

- ▶ Kogan Creek (44MW extension)
- ▶ Liddell (3MWe)
- ▶ Kimberlina (5MWe)
- ▶ Flagship (250MWe)**








- ▶ Coriance (12MWe)
- ▶ Bertin (380MWe)
- ▶ Koblitz (330MWe modernization)

» **€1.8bn backlog at end June 2011**

* Source: WEO 2010 ("New Policies Scenario")
 – Installed base (GW)

** Entered into exclusive negotiations, not recorded in backlog as of June 30, 2011



Immediate consequences of Fukushima

- ▶ **Status of Japanese nuclear fleet: 37 reactors out of 54 currently shut down, limited visibility on schedule for resuming of 31 units in order of work** 
- ▶ **Impact of German government decision on installed base business: 8 reactors definitely shut down as of March 2011, 9 others shut down between 2015 and 2022, cancellation of life extension program** 
- ▶ **Cancellation of Swiss and Italian new build programs**  
- ▶ **Stress tests will:**
 - ◆ cause some delays in new build projects
 - ◆ create opportunities in installed base activities
- ▶ **AREVA's positioning in new build market reinforced with Gen 3 range**   
- ▶ **Opportunities in Back-End: dismantling and used fuel management activities**



First consequences included in group's H1 2011 performance



- ▶ **Japanese and German orders cancelled in fuel cycle: €191m as of June 30, 2011** 
- ▶ **Japanese and German deliveries cancelled or rescheduled** 
- ▶ **Provisions and depreciations linked to foreseeable short-term level of activity in Reactors & Services totaling €87m**
- ▶ **Water-decontamination solution contract won with TEPCO and delivered**

2011 end-of-year priorities



Assessment of mid to long-term consequences of Fukushima

- ▶ Ongoing process concerning all nuclear cycle activities and renewables
- ▶ Conclusions will be integrated in the strategic actions plan to be finalized by Dec 2011
- ▶ Consequences will be taken into account for:
 - ◆ Activity forecast
 - ◆ Sizing of group's industrial and commercial organisation
 - ◆ Valuation of tangible and intangible assets at end 2011
- ▶ In this context the value of some assets appear as particularly sensitive to price and activity assumptions that will be used:
 - ◆ Mining-project-related tangible and intangible assets (€3.5bn total value incl. €2.5bn allocated to projects not yet in production)
 - ◆ Capitalized development costs associated to 3rd gen reactors and installations that depend mostly upon new build projects (total amount: €750m)
 - ◆ To a lesser extent, industrial installations dedicated to supply of products and services to operating fleets
- ▶ On the basis of new multiyear forecasts from strategic actions plan, those assets will be tested at end 2011

Management priorities

- ▶ Rely on core technologies and competences to provide customers with efficient solutions to implement lessons learnt from Fukushima
- ▶ Reinforce focus on operational performance and cash monitoring

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Key financial indicators



<i>In millions of euros</i>	H1 2010	H1 2011	Change
Backlog	44,062	43,122	-2.1%
Revenue	4,158	3,997	-3.9%
Operating income excluding particular items	213	62	-€151m
<i>In % of revenue</i>	5.1%	1.6%	-3.5 pts
Disposal / minority stakes – Mining / Front-End assets	19	-	
Non cash reversible impairment of mining assets	(300)	-	
Additional provisions on Reactors & Services projects *	(417)	-	
Financial impact of Siemens arbitration	-	648	
Operating income	(485)	710	+€1,195m
Net income attributable to equity owners of the parent	843	351	-€492m
<i>Net earning per share (in euros per share)**</i>	€2.38	€0.92	+€1.46
Operating cash flow before investments	(99)	571	+€670m
Free cash flow before tax	(1,084)	(1,950)	-€866m
Net debt	(5,152)	(2,772)	-€2,380m

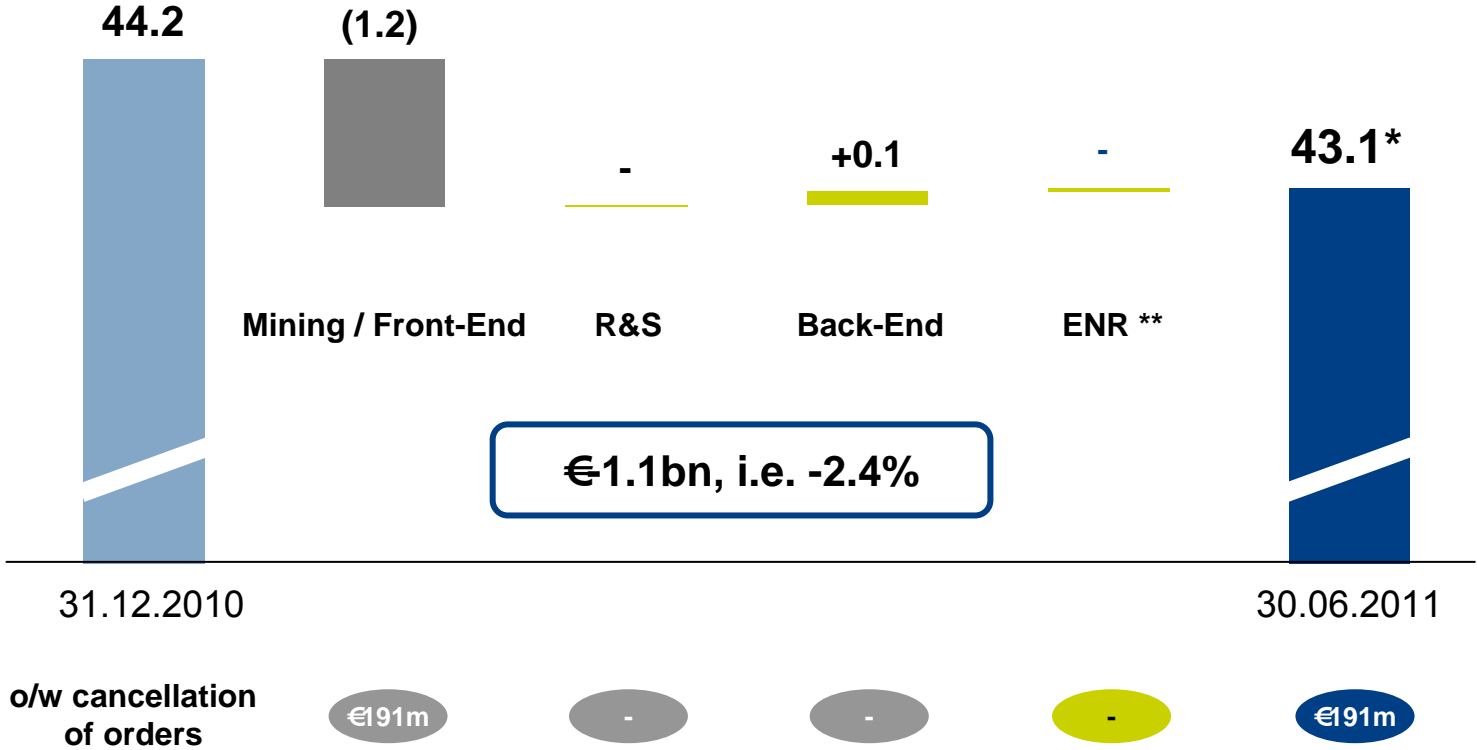
* of which €367m in 2010 for the OL3 project

** the nominal value of shares has been divided by 10 at the end of year 2010 : earning per share has been retreated

Backlog



In billions of euros



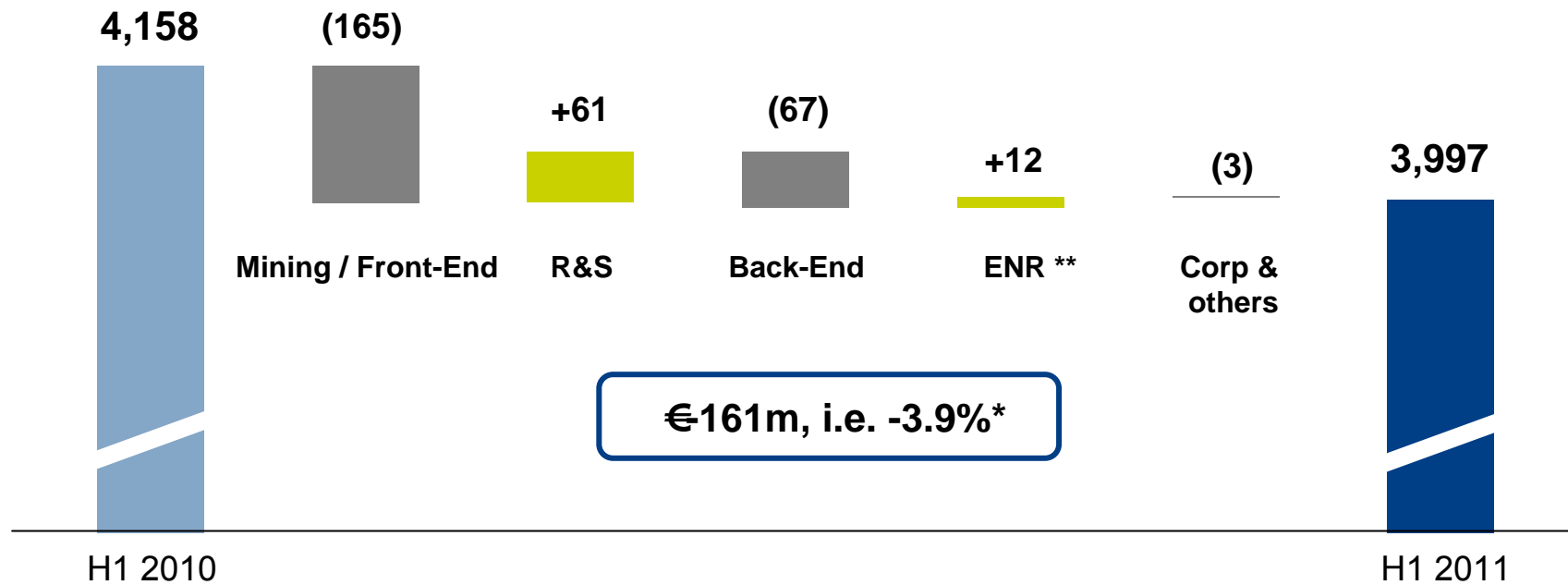
* o/w 17.5% Japan and Germany orders, including €0.7bn that presents risk of cancellation or renegotiation
 ** Renewable Energies



Revenues



In millions of euros



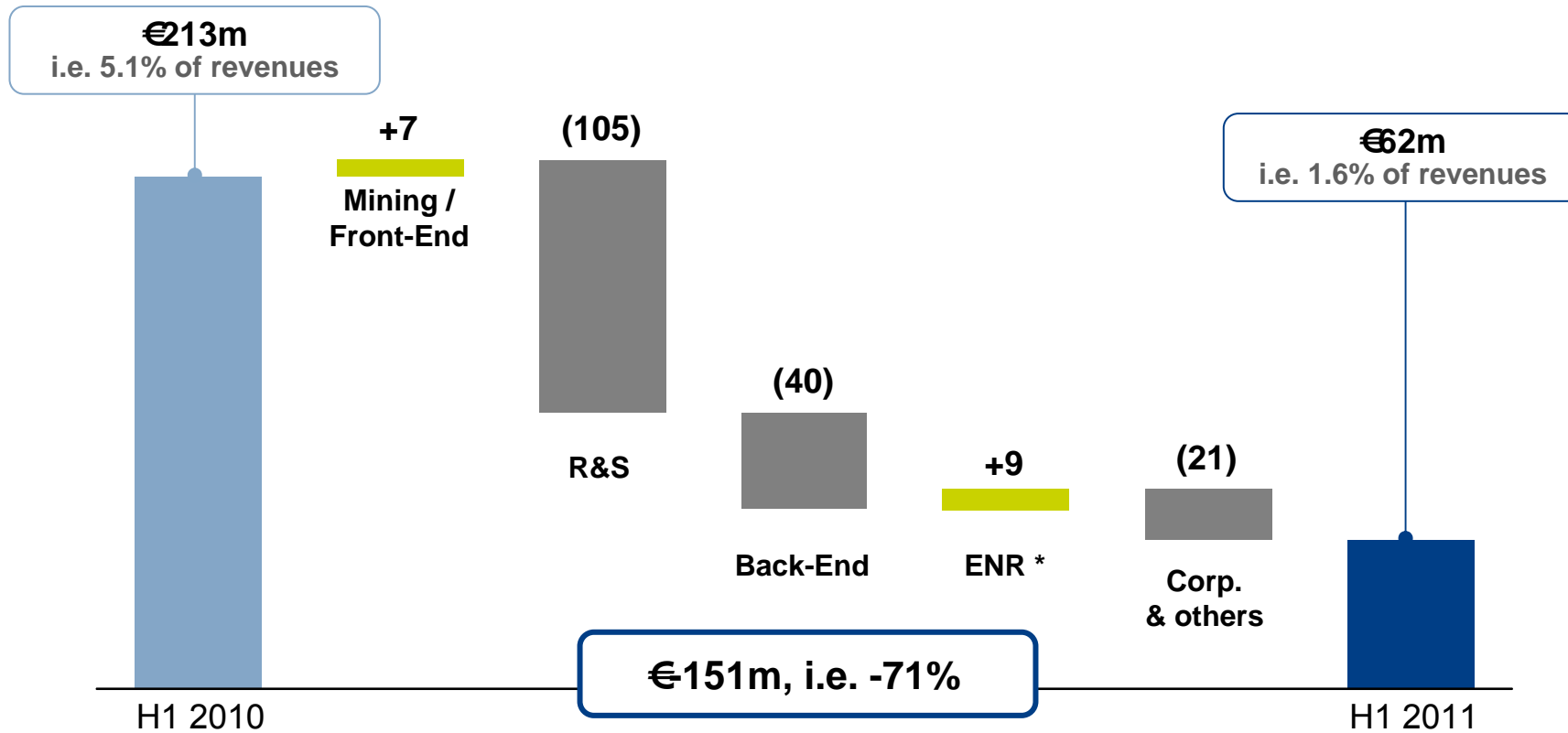
* (1,6)% at constant consolidated scope, accounting methods and exchange rates
Average EUR/USD exchange rate for AREVA : H1 2011: 1.404 vs H1 2010: 1.325

** Renewable Energies

Operating income excluding particular items



In millions of euros



* Renewable Energies

Particular events occurred in H1 2011



On January 27, 2009, Siemens announced its decision to pull out of AREVA NP, in which it held a 34% share

Valuation of Siemens' share

- ▶ Since the publication of the 2008 annual results, AREVA's debt towards Siemens had been maintained to its 2007 value, i.e €2,049 million (plus accrued interests)
- ▶ The independent expert in charge of the valuation of Siemens' share in AREVA NP's capital handed in his report on March 14, 2011. Siemens' share was valued at €1,620 millions (as of the first quarter of 2009)

» Net debt reduction by
€434m (including interests)

Arbitration on the respect of the shareholders' agreement

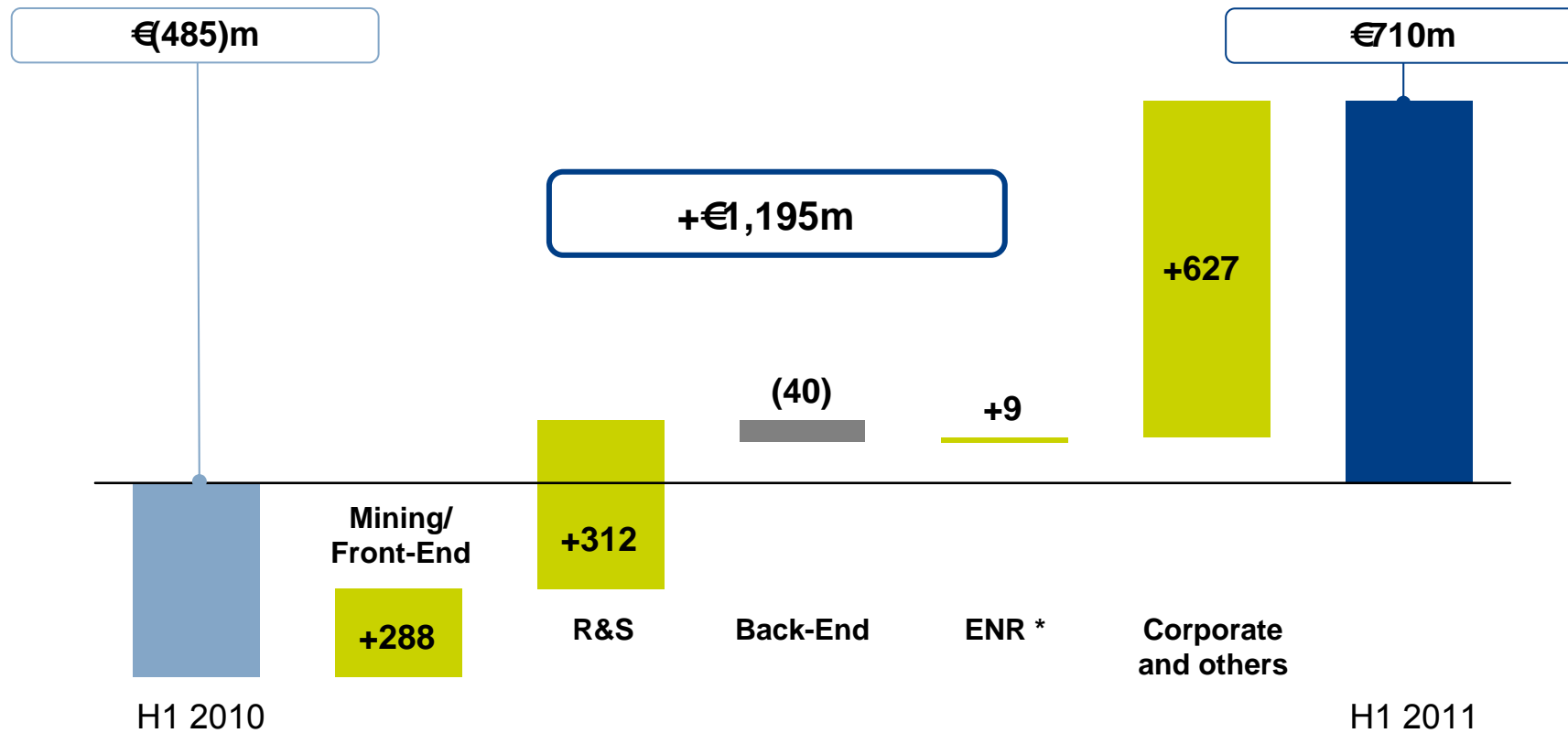
- ▶ In February 2009, Siemens announced a partnership in the nuclear sector (in spite of the non-competition clause of the shareholders' agreement)
- ▶ Arbitration against Siemens launched on April 14, 2009 with the CCI
- ▶ Ruling made public on May 19, 2011 confirming Siemens' fault and imposing to Siemens the maximum penalty provided for by the shareholders' agreement, i.e 40% of the value of Siemens' share in AREVA NP

» OI effect: +€648m
OCF effect: +€648m

Reported Operating income



In millions of euros



* Renewable Energies

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Mining / Front-End



Key figures

<i>In millions of euros</i>	H1 2010	H1 2011	Change
Backlog	28,590	27,702	-€88m
Contribution to consolidated revenue	1,593	1,429	-10.3%
Op. income excluding particular items <i>In % of revenues</i>	148 9.3%	155 10.8%	+€7m +1.5 pts
<i>Disposal / new partners in assets</i>	19		
<i>Impairment of mining assets</i>	(300)		
Contribution to operating income	(133)	155	+€288m
Free operating cash flow before tax	(210)	(236)	-€26m

Reactors & Services



Key figures

<i>In millions of euros</i>	H1 2010	H1 2011	Change
Backlog	7,964	7,316	-€648m
Contribution to consolidated revenue	1,543	1,604	+4.0%
Op. income excl. particular items <i>In % of revenue</i>	26 1.7%	(79) (4.9)%	-€105m -6.6 pts
<i>Provisions on projects*</i>	(417)	-	
Contribution to operating income	(391)	(79)	+€312m
Free op. cash flow before tax	(420)	(392)	+€28m

* incl. OL3: 367 M€ in 2010



Key figures

<i>In millions of euros</i>	H1 2010	H1 2011	Change
Backlog	6,268	6,178	-€90m
Contribution to consolidated revenue	897	830	-7.5%
Contribution to operating income	167	127	-€40m
<i>In % of revenues</i>	18.6%	15.3%	-3.3 pts
Free operating cash flow before tax	102	151	+€49m

Renewable Energies



Key figures

<i>In millions of euros</i>	H1 2010	H1 2011	Change
Backlog	1,135	1,849	+€713m
Contribution to consolidated revenues	47	59	+26.3%
Contribution to operating income	(59)	(50)	+€9m
Free operating cash flow before tax	(272)	(93)	+€179m

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Non-operating items



<i>In millions of euros</i>	H1 2010	H1 2011	Change
Operating income	(485)	710	+1,195
Net financial income	(172)	(178)	-6
Equity associates	46	41	-5
Income tax	242	(188)	-430
Minority interests	29	29	0
Income from discontinued operations	1,240	(6)	-1,246
Net income attributable to equity owners of the parent	843	351	-492
<i>Net earnings per share (in euros) *</i>	2.38	0.92	-1.46

* the nominal value of shares has been divided by 10 at the end of year 2010 : earning per share has been retreated

Net financial income

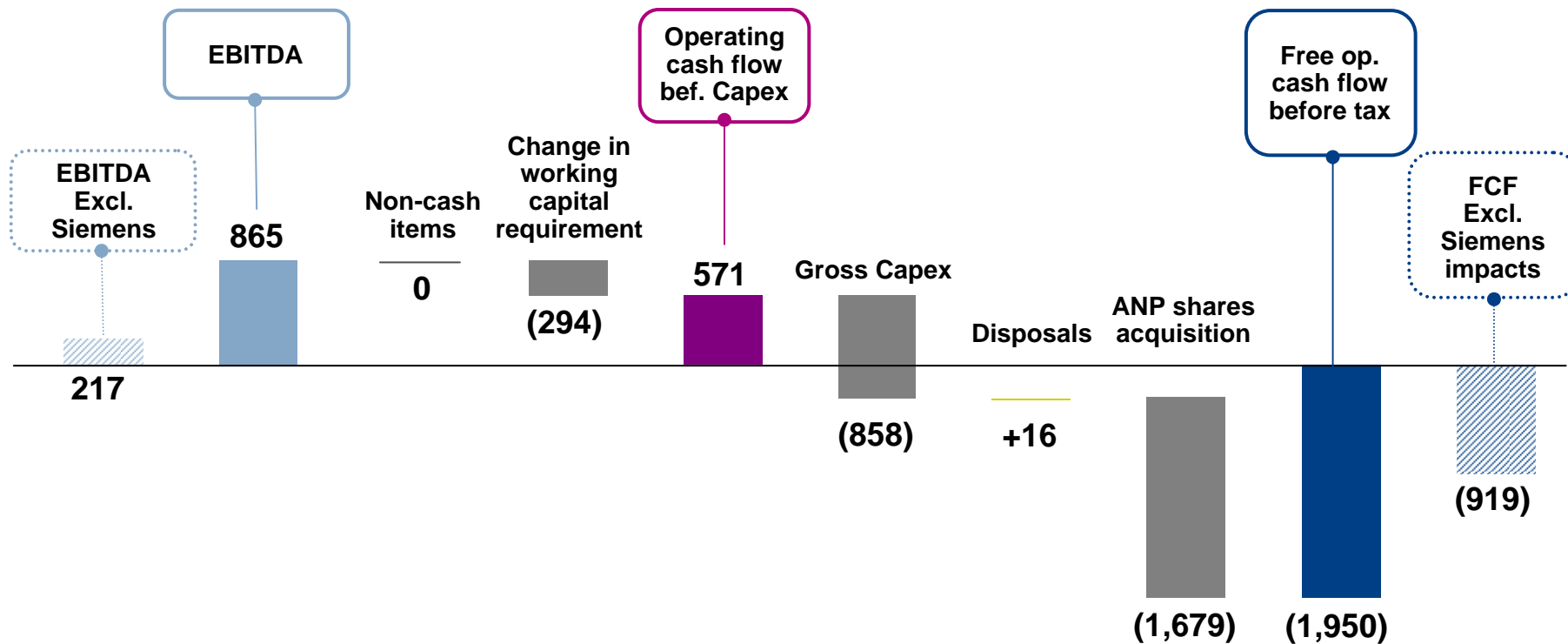


<i>In millions of euros</i>	H1 2010	H1 2011	Change
End-of-lifecycle operations	(11)	(10)	+1
<i>Including:</i>			
<i>Income from the dedicated financial portfolio</i>	61	100	+39
<i>Income from receivables and discount reversal on earmarked assets</i>	46	36	-10
<i>Discount reversal expenses</i>	(118)	(145)	-27
Net borrowing costs	(81)	(35)	+46
Net gain on sales of securities	(1)	0	+1
Discount reversal: retirement and other benefits	(38)	(43)	-5
Other incomes (expenses)	(41)	(90)	-49
Net financial income	(172)	(178)	-6

Free operating cash flow before tax



In millions of euros

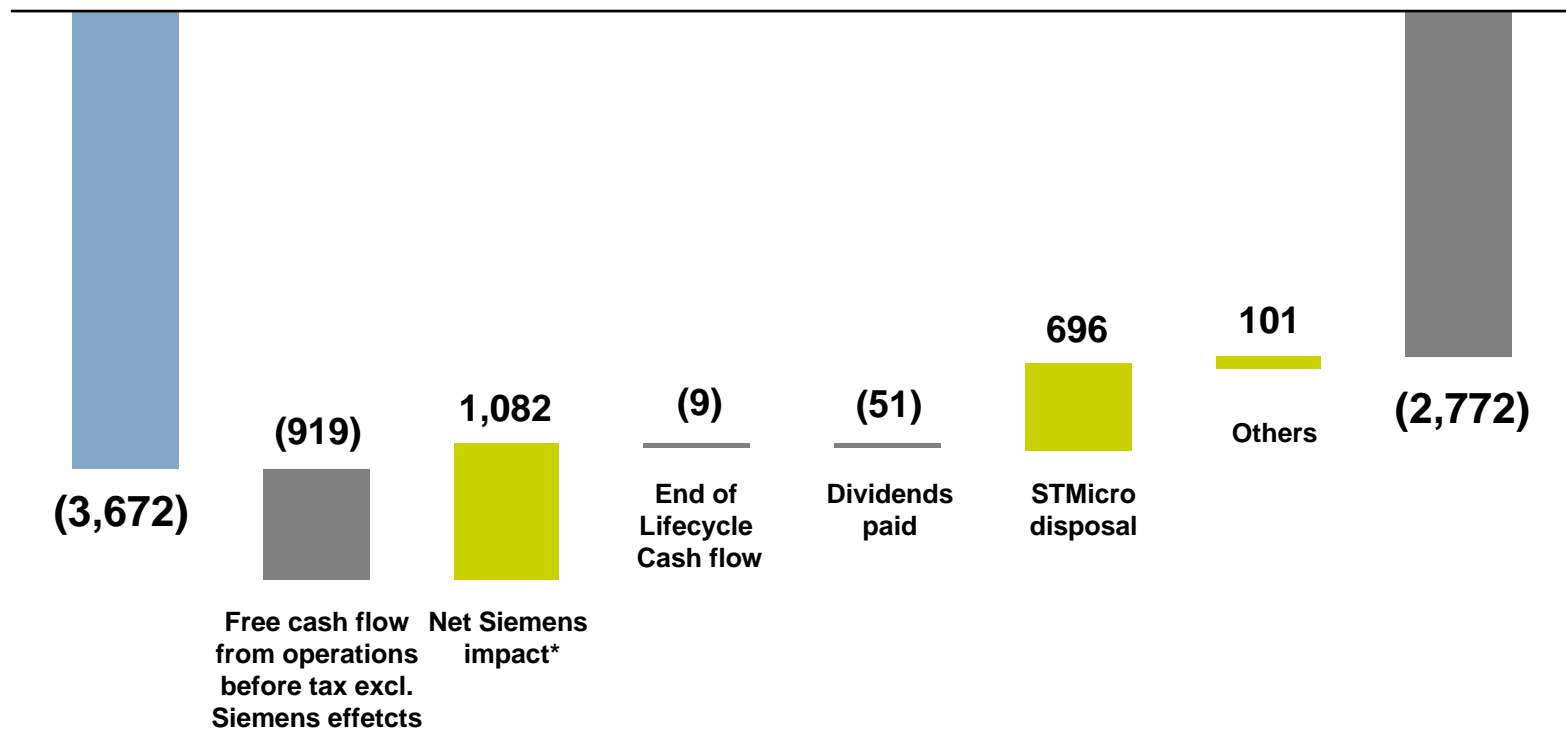


Net debt



In millions of euros

12.31.2010 06.30.2011



* Siemens 34% share in AREVA NP valorisation from independent expert and penalty (excl. Interests on penalty) - cf. slide 34



Questions / Answers



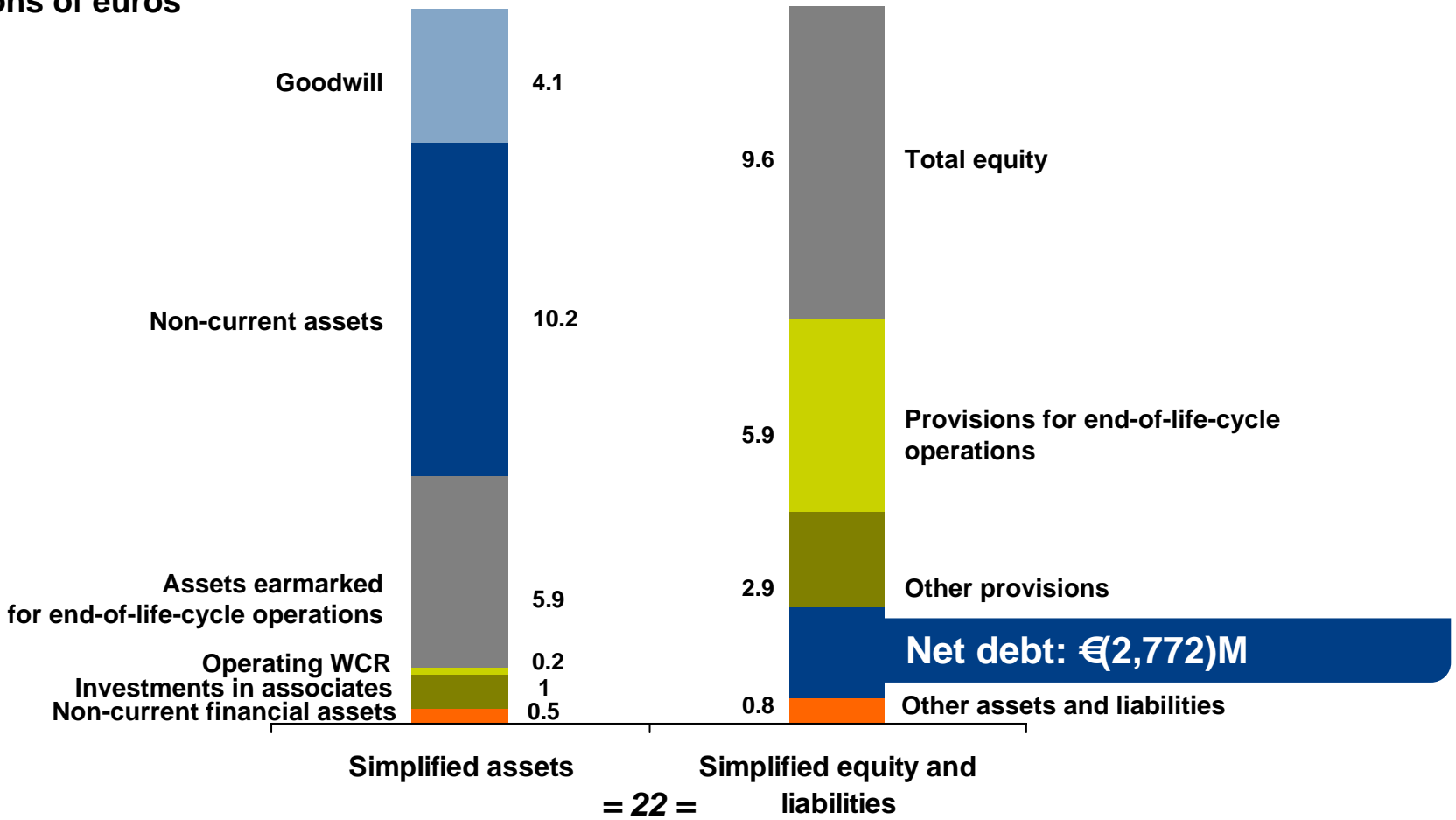
Appendix



Appendix 1

Simplified balance sheet at 06/30/2011

In billions of euros

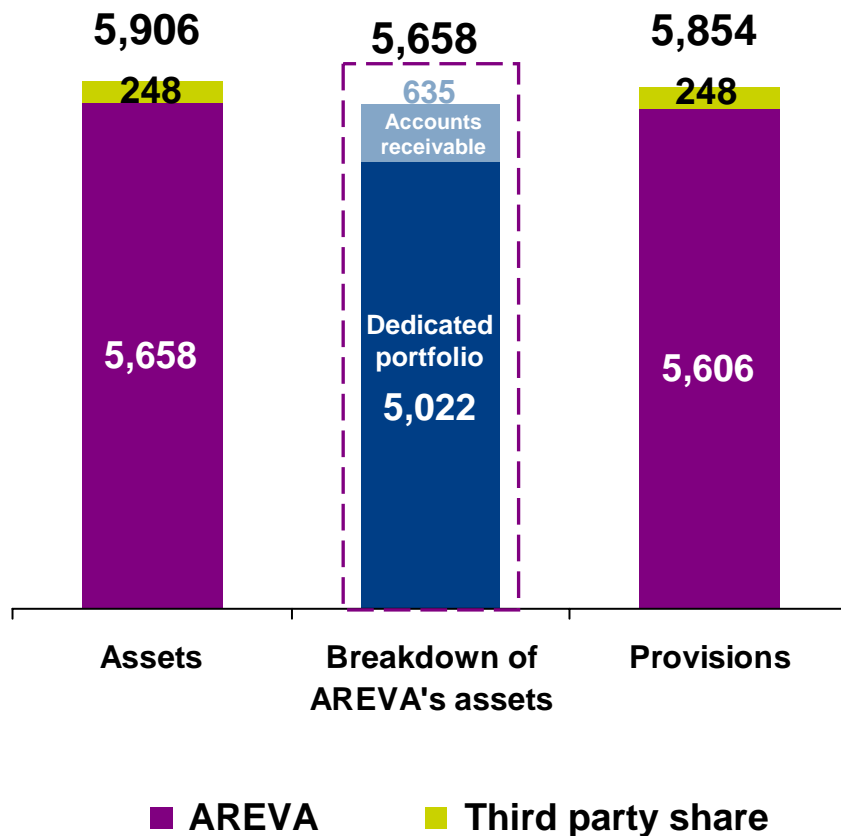


Appendix 2

Balance sheet at 06/30/11 - End-of-life-cycle operations



End-of-life-cycle operations at 06/30/2011 (€M)



- ▶ The law of 06/28/2006 on sustainable management of radioactive materials and waste requires that 100% of provisions for end-of-life-cycle operations be covered by earmarked assets effective **06/28/2011**
- ▶ At 06/30/2011, AREVA's coverage for activities subject to the law of 06/28/2006 was above **102%**
- ▶ The ratio for all AREVA group activities is above **100%**

Appendix 3

Share in net income of associates



<i>Millions of euros</i>	H1 2010	H1 2011	Change
STMicroelectronics	18	NA*	-€18m
Eramet group	26	47	+€21m
Other	2	(6)	-€8m
Total	46	41	-€5m

* Disposal of STMicroelectronics in March 2011

Appendix 4

Change in revenue (like-for-like)



Nuclear and Renewable Energies

<i>(millions of euros)</i>	H1 2011		H1 2010			
	Reported revenue	Revenue* LFL	Exch. rate impact	Consolid. scope impact	Harmonization of accounting methods/ standards	Reported revenue
Mining-Front End BG	1,429	1,529	-64	-	-	1,593
Reactors & Services BG	1,604	1,513	-18	-11	-	1,543
Back End BG	830	894	-4	-	-	897
Renewable Energies BG	59	47	1	-	-	47
Corporate and Other	75	78	-	-	-	78
Total – Nuclear business and Renewables	3,997	4,061	-86	-11	-	4,158

* Contribution to consolidated revenue adjusted for activities held for sale

Appendix 5 Income statement



<i>Millions of euros</i>	June 30, 2011	June 30, 2010
Revenue	3,997	4,158
Other income from operations	13	12
Cost of sales	(3,318)	(3,780)
Gross margin	692	390
Research and development expenses	(142)	(162)
Marketing and sales expenses	(112)	(145)
General and administrative expenses	(238)	(284)
Other operating income and expenses	511	(639)
Operating income	710	(485)
Income from cash and cash equivalents	67	17
Gross borrowing costs	(101)	(98)
Net borrowing costs	(35)	(81)
Other financial income and expenses	(143)	(90)
Net financial income	(178)	(172)
Income tax	(188)	242
Net income of consolidated businesses	344	(415)
Share in net income of associates	41	46
Net income from continuing operations	386	(369)
Net income from discontinued operations and operations held for sale	(6)	1 240
<i>Net income for the period including minority interests</i>	<i>380</i>	<i>871</i>
	<i>29</i>	<i>29</i>
Net income attributable to equity owners of the parent	351	843

Appendix 6

Balance sheet (1/2)



ASSETS <i>(millions of euros)</i>	June 30, 2011	Dec. 31, 2010
Non-current assets	22,789	22,870
Goodwill on consolidated companies	4,128	4,625
Intangible assets	3,653	3,652
Property, plant and equipment	6,551	6,249
End-of-lifecycle assets (third party share)	248	252
Assets earmarked for end-of-lifecycle operations	5,658	5,582
Equity associates	994	988
Other non-current financial assets	530	477
Pension fund assets	3	2
Deferred tax assets	1,024	1,044
Current assets	10,025	11,667
Inventories and work-in-process	2,883	2,599
Trade accounts receivable and related accounts	2,208	2,267
Other operating receivables	2,170	2,165
Current tax assets	48	64
Other non-operating receivables	197	172
Cash and cash equivalents	2,311	3,358
Other current financial assets	199	210
Assets of operations held for sale	8	832
Total assets	32,813	34,538

Appendix 6

Balance sheet (2/2)



EQUITY AND LIABILITIES <i>(millions of euros)</i>	June 30, 2011	Dec. 31, 2010
Equity and minority interests	9,664	9,578
Share capital	1,456	1,452
Consolidated premiums and reserves	6,855	5,937
Deferred unrealized gains and losses on financial instruments	309	346
Currency translation reserves	(27)	45
Net income attributable to equity holders of the parent	351	883
Minority interests	700	915
Non-current liabilities	12,190	14,210
Employee benefits	1,213	1,171
Provisions for end-of-lifecycle operations	5,854	5,815
Other non-current provisions	112	116
Long-term borrowings	4,346	6,537
Deferred tax liabilities	665	570
Current liabilities	10,979	10,749
Current provisions	1,622	1,777
Short-term borrowings	936	703
Advances and prepayments received	4,122	3,923
Trade accounts payable and related accounts	1,611	1,641
Other operating liabilities	2,399	2,581
Current tax liabilities	46	52
Other non-operating liabilities	239	73
Liabilities of operations held for sale	4	-
Total liabilities and equity	32,813	34,538

Appendix 7

Change in net debt



<i>In millions of euros</i>	H1 2010	H1 2011
EBITDA from operations (excl. end-of-life-cycle costs)	215	865
<i>In percentage of revenue</i>	5.2%	21.6%
Income (loss) on sales of non-current operating assets	(23)	-
Change in operating WCR	(291)	(294)
Net operating Capex excluding acquisition of AREVA NP shares	(985)	(842)
Free operating cash flow before tax, excluding acquisition of AREVA NP shares	(1,084)	(271)
End-of-life-cycle obligations	(6)	(9)
Dividends paid	(302)	(51)
Disposal of STM	-	696
Change in valuation of 34% of AREVA NP	-	434
Other (net financial investments, income tax, non operating WCR, etc.)	2 433	101
Change in net cash or (debt)	1,041	900
Net debt	(5,152)	(2,772)

Appendix 8

Key data by BG (1/2)



H1 2011

In millions of euros (except employee data)

	Mining-Front End	Reactors & Services	Back End	Renewable Energies	Corporate and Other	Total group	
Income	Contribution to consolidated revenue	1,429	1,604	830	59	75	3,997
	Operating income	155	(79)	127	(50)	558	710
	% of contribution to consolidated revenue	10.8 %	(4.9) %	15.3 %	(84.7) %	ns	17.8%
Net cash	EBITDA (excl. end-of-life-cycle costs)	251	(113)	228	(63)	563	865
	% of contribution to consolidated revenue	17.6 %	(7.0) %	27.5 %	(106.8) %	ns	21.6%
	Net Capex	(641)	(105)	(61)	(20)	(1,696)	(2,521)
	Change in operating WCR	152	(174)	(15)	(10)	(248)	(294)
	Free operating cash flow	(236)	(392)	151	(93)	(1,380)	(1,950)
Other	Workforce	14,247	16,966	10,952	1,280	4,782	48,228

Appendix 8

Key data by BG (2/2)



H1 2010		Mining-Front End	Reactors & Services	Back End	Renewable Energies	Corporate and Other	Total group
<i>In millions of euros (except employee data)</i>							
Income	Contribution to consolidated revenue	1,593	1,543	897	47	78	4,158
	Operating income	(133)	(391)	167	(59)	(69)	(485)
	% of contribution to consolidated revenue	- 8.35%	- 25.3%	18.6%	- 127.0%	- 88.5%	- 11.7%
Net cash	EBITDA (excl. end-of-life-cycle costs)	310	(199)	267	(44)	(118)	215
	% of contribution to consolidated revenue	19.4%	- 12.9%	29.7%	- 93.3%	- 152.2%	5.2%
	Net Capex	(645)	(113)	(41)	(170)	(16)	(985)
	Change in operating WCR	146	(108)	(122)	(58)	(149)	(291)
	Free operating cash flow	(210)	(420)	102	(272)	(284)	(1,084)
Other	Workforce	14,387	17,651	11,040	1,133	3,979	48,190

* Including gains on sales of minority interests in GBII (€191 million) and Imouraren (€131 million)

Appendix 9

Definitions of indicators used by AREVA (1/2)



- ▶ **EBITDA:** EBITDA is equal to operating income plus net amortization, depreciation and operating provisions (except for provisions for impairment of working capital items)
- ▶ Beginning in fiscal year 2004, EBITDA is adjusted to exclude costs associated with nuclear facility end-of-life cycle obligations (decommissioning, waste retrieval and packaging) performed during the year, including, in 2004, amounts paid or to be paid to third parties in this regard.
- ▶ **Cash flow from end-of-life-cycle operations:** This indicator encompasses all of the cash flows linked to end-of-life-cycle obligations and to assets earmarked to cover those obligations. It is equal to the sum of the following items:
 - ◆ income from the portfolio of assets earmarked to cover end-of-life-cycle expenses
 - ◆ cash from the sale of earmarked assets
 - ◆ minus acquisitions of earmarked assets
 - ◆ minus period expenses pertaining to end-of-life-cycle obligations
 - ◆ plus full and final payments received for facility decommissioning
 - ◆ minus full and final payments made for facility dismantling
- ▶ **Free operating cash flow** represents the cash flow generated by operating activities. It is equal to the sum of the following items:
 - ◆ EBITDA before end-of-life-cycle obligations
 - ◆ plus losses or minus gains included in operating income on sales of property, plant and equipment (PPE) and intangible assets
 - ◆ plus the decrease or minus the increase in operating working capital requirement between the beginning and the end of the period (before reclassifications, currency translation adjustments and changes in consolidation scope
 - ◆ minus acquisitions of PPE and intangible assets, net of changes in accounts payable related to fixed assets
 - ◆ plus sales of PPE and intangible assets included in operating income, net of changes in receivables on the sale of fixed assets
 - ◆ plus customer prepayments on fixed assets, received during the period
 - ◆ plus acquisitions (or disposals) of consolidated companies (excluding equity associates)

Appendix 9

Definitions of indicators used by AREVA (2/2)



- ▶ **Net cash (debt):** Net cash (debt) is defined as the sum of cash and cash equivalents plus other current financial assets minus current and non-current borrowings. Current and non-current borrowings include the current value of minority put options.
- ▶ **Operating working capital requirement (OWCR)** OWCR represents all of the current assets and liabilities directly related to operations and includes:
 - ◆ Inventories and work-in-process,
 - ◆ Trade accounts receivable and related accounts,
 - ◆ Advances paid,
 - ◆ Other accounts receivable, accrued income and prepaid expenses,
 - ◆ Currency hedges on operating WCR,
 - ◆ Less: trade accounts payable and related accounts, trade advances and prepayments received (excluding interest-bearing advances), other operating liabilities, accrued expenses, and deferred income
 - ◆ Note: OWCR does not include non-operating receivables and payables such as income tax liabilities, amounts receivable on the sale of non-current assets, and liabilities in respect of the purchase of non-current assets.
- ▶ **Backlog:** The backlog is valued based on economic conditions at the end of the period. It includes firm orders and excludes unconfirmed options. Orders in hedged foreign currencies are valued at the rate hedged. Non-hedged orders are valued at the rate in effect on the last day of the period. Natural uranium orders are valued at the closing price of applicable spot and long term indices.
- ▶ The backlog reported for long-term contracts recognized under the percentage of completion method and partially performed as of the reporting date is equal to the difference between (a) the projected revenue from the contract at completion and (b) the revenue already recognized for that particular contract. Accordingly, the backlog takes into account escalation and price revision assumptions used by the group to determine the projected revenue at completion.

Appendix 10 General description of INES levels



The INES scale consists of seven levels of rising severity from 1 (anomaly) to 7 (major accident)

- ▶ **Level 0:** **Below-scale** event; deviation from normal facility operations or transport of materials, without safety significance
- ▶ **Level 1:** Anomaly beyond normal operating limits
- ▶ **Level 2:** Incident with on-site consequences (significant contamination, overexposure of a worker) and/or material failure in safety systems

Disclaimer



▶ Forward-looking statements

- ◆ This document contains forward-looking statements and information. These statements include financial forecasts and estimates as well as the assumptions on which they are based, statements related to projects, objectives and expectations concerning future operations, products and services or future performance. Although AREVA's management believes that these forward-looking statements are reasonable, AREVA's investors, shareholders are hereby advised that these forward-looking statements are subject to numerous risks and uncertainties that are difficult to foresee and generally beyond AREVA's control, which means that future results and developments may differ significantly from those expressed, induced or forecast in the forward-looking statements and information. These risks include those explained or identified in the public documents filed by AREVA with the AMF, including those listed in the "Risk Factors" section of the Reference Document registered with the AMF on March 30, 2011 (which may be read online on AREVA's website www.aveva.com). AREVA makes no commitment to update the forward-looking statements and information, except as required by applicable laws and regulations.