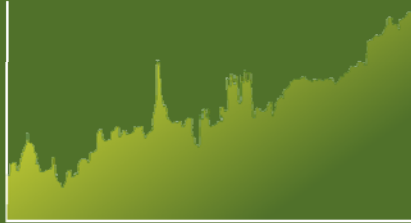




# IBERDROLA Investors' Day 2008

Gleneagles, Scotland



## Iberdrola Engineering & Construction

July 2<sup>nd</sup> 2008

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Iberdrola Engineering & Construction today

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Valuation of Iberdrola Engineering & Construction

## Key Decisions (2003 – 2004)



### 2003-2004 as the turning point in the strategy of Iberdrola Engineering & Construction

Defined as a new business line

Focused on energy infrastructures (Electricity & Gas)

Management team with market experience

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## Global Presence



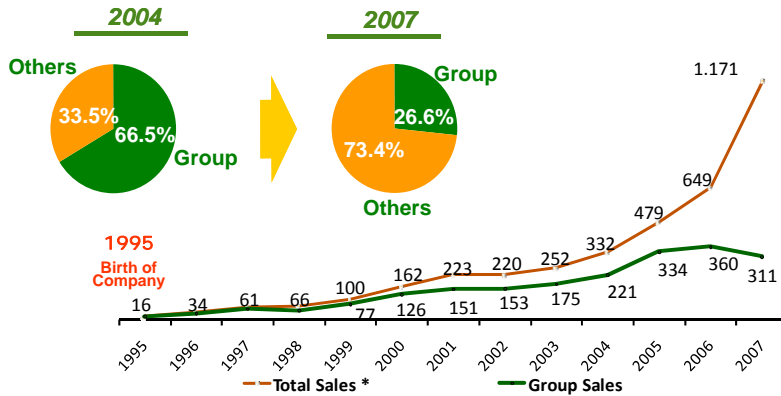
### A solid international presence with projects in over 25 countries ...



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## Sales by customer

... with growth coming from the diversification of activities outside of Iberdrola's Group ...



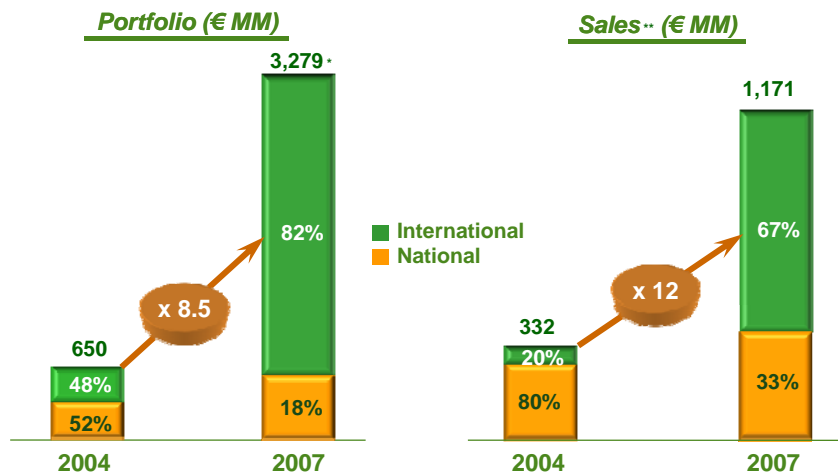
Sales to third parties represented over 70% of total in 2007

(\*) This figure does not reflect the works done for REE and the consolidation adjustments in Iberdrola's Group accounts related to transactions between the unit and the Group

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## Geographical breakdown of portfolio & sales

... and the international expansion



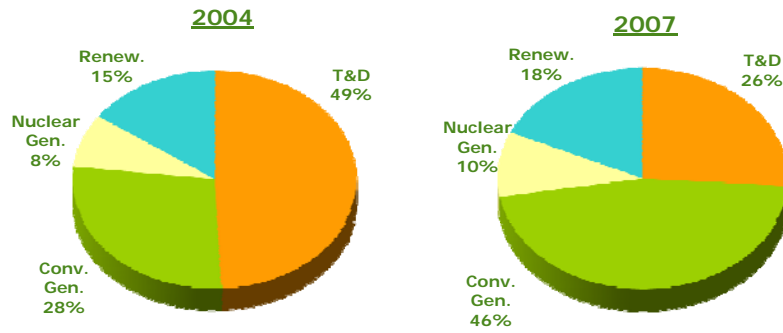
(\*) Includes the Koudiet Project (Algeria), awarded on January 2008

(\*\*) This figure does not reflect the works done for REE and the consolidation adjustments in Iberdrola's Group accounts related to transactions between the unit and the Group

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## Sales by product

From a "T&D business" to a more diversified focus on conventional and nuclear generation

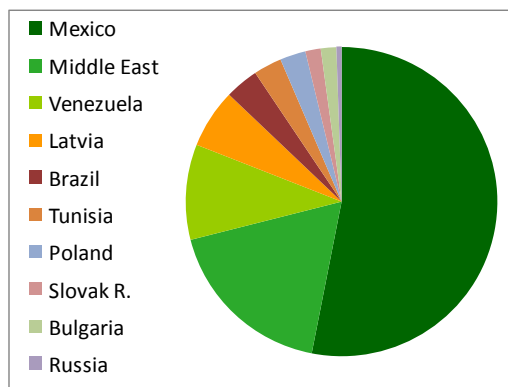


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## Workforce

In 2007, 20% of the workforce is based in countries outside of Spain

Employees by country (2007)



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## Operating & financial highlights: evolution since 2004



### Achieving targets well ahead of schedule ...

	2004	2007	Increase
Total Sales*	€ 332.4 MM	€ 1,171.0 MM	x 3.5
EBITDA*	€30.4 MM	€77.8 MM	x 2.6
Services	Engineering and Consultancy	Engineering and Construction	
International Sales	€65 MM (2 countries)	€786 MM (+20 Countries)	x 12.1
% of Sales to third parties	33.5%	73.4%	x 7.7
Areas of activity	Networks, Conventional and Nuclear Generation	+ Renewables	
Workforce	1,000	1,743	x 1.7
Backlog	650	3,279	x 5

**... with €3,279 MM of backlog as of 2007:x 5 in just 3 years**

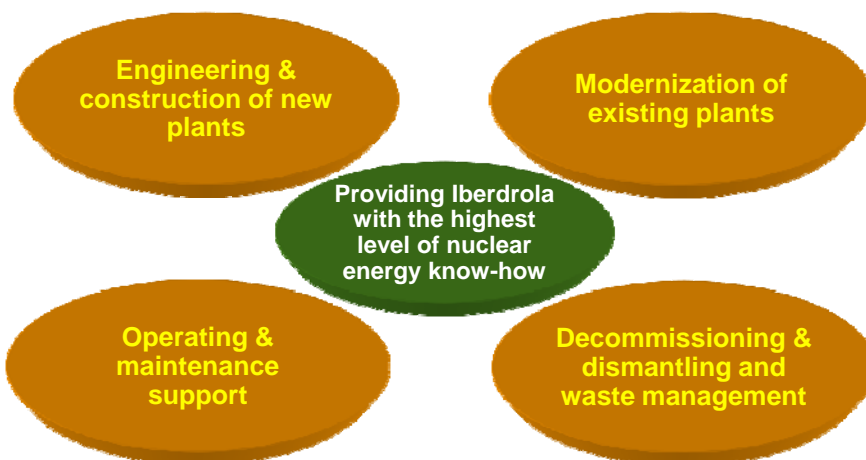
(\*) This figure does not reflect the works done for REE and the consolidation adjustments in Iberdrola's Group accounts related to transactions between the unit and the Group

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## Nuclear Generation



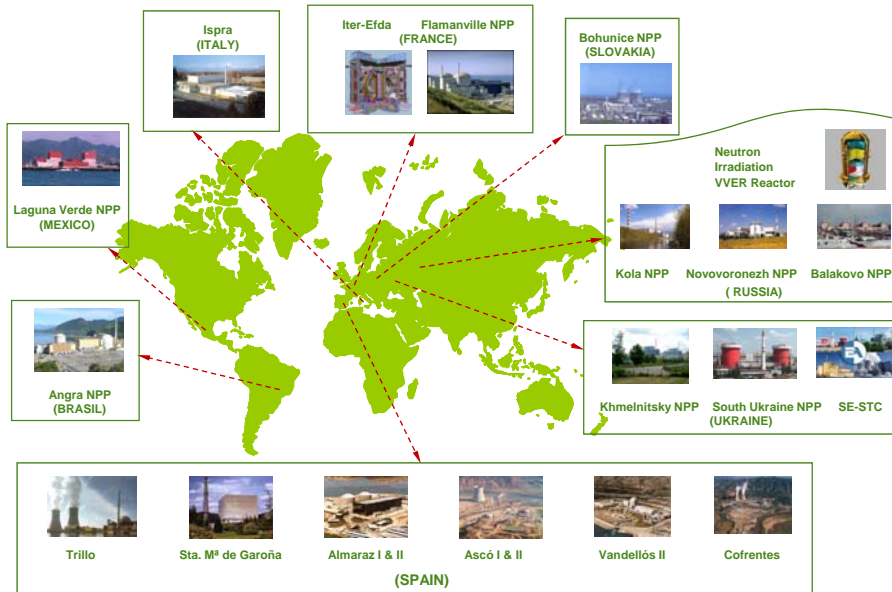
### One of the leading nuclear engineering company worldwide ...



**... well positioned for the nuclear energy renaissance**

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## Nuclear projects: a worldwide presence



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## Renewables

**Strong capabilities in design engineering, construction and commissioning of renewable energy projects**

Relevant experience in wind power generation, solar generation (PSP / CSP), with a total capacity built of 3,000 MW

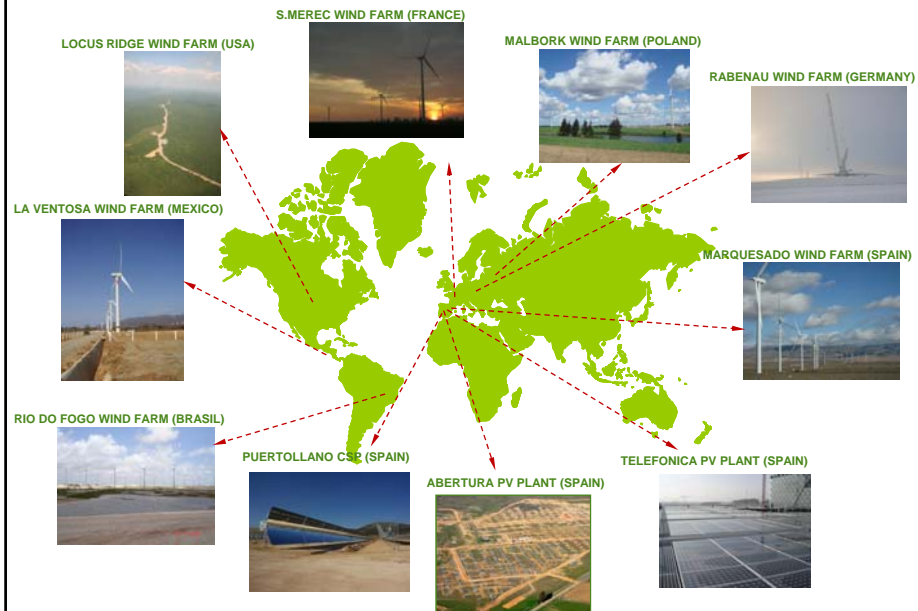
	Engineered (MW)	Built in Spain (MW)	International (MW)
Wind Power	> 4,000	2,455	412
Photovoltaic	> 300	70	-
Thermo solar	> 600	50	-

Deep knowledge of emerging technologies (wave and tidal, fuel cells) through participation in R&D programs and "first of a kind" prototypes

**Taking advantage of the know-how of the Group**

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## Renewables projects



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## Generation



**High expertise in thermal and hydro projects**

Relevant experience: 26,720 MW

		Total (MW)	Spain (MW)	Intl. (MW)
Thermal	Operational	11,878	6,547	5,331
	Under construction	4,398	-	4,398
Hydro	Operational	9,349	8,580	769
	Under construction	1,095	1,095	-

**Engineering capabilities as a reference in the sector**

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## Generation projects



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## Networks



### Strong expertise in EPC\* projects

#### Three main activities:

Substations	Power Lines	Telecom
<ul style="list-style-type: none"> <li>• 35 new substations per year, capacity ranged between 132 to 400kV</li> <li>• 3,000 MVA in 2008</li> </ul>	<p>Overhead lines: 450 km of 132, 220, 400 kV in the last two years</p>	<p>Fiber Optics: 15,200 Km installed with associated communication equipment</p>
<p>World leader in totally underground V.H.V GIS modern installations</p>	<p>Large experience in 220 &amp; 400 kV underground power cable projects</p>	<p>Largest Renewable Control Center development</p>

EPC: Engineering, Procurement & Construction

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## Networks projects



VHV ST'S & LT'S CFE  
ROJECTS ( MEXICO)



ST PROVIDENCE HEIGHTS &  
ST CRESCENT RIDGE (USA)



ST STENAY (FRANCE)



ST SZTUM (POLAND)



ST JOSEFA CAMEJO  
(VENEZUELA)



KEK PROJECTS  
ST'S & LT'S (BULGARY)



3 ST'S COSERN & 35 AUTOMATED  
(BRASIL)



C.H. AUTOMATION  
(KENYA)



ST V.H.V. GIS ARAVACA  
(SPAIN)



DISTRIBUTION AUTOMATION  
(TUNISIA)



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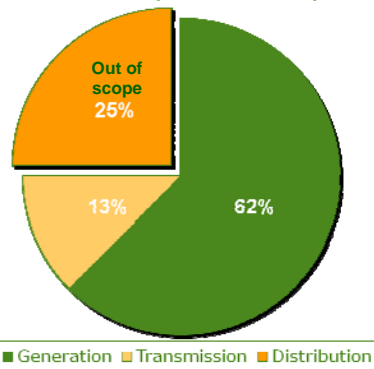
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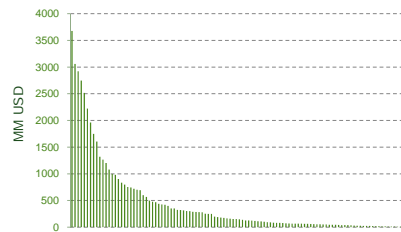
## World market

**Power sector (T&D and generation) investments are estimated at ~ \$ 400 Bn per year**

Yearly investment in power sector (\$ 400 billion)



- 2007 ENR ranking of 225 global contractors: 100 contractors have ~ \$48 billion of the market ...
- ... of which 30 have an 80% share

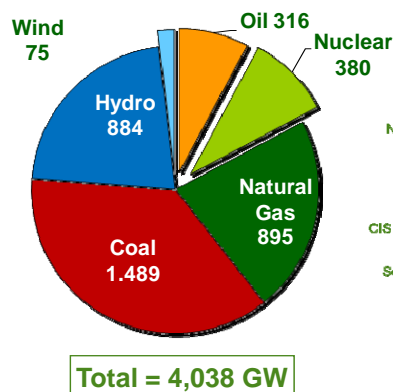


1. Source: ABS T & D database 2006, IEA World Energy Outlook 2006, EIA Energy outlook 2007, GWEC, ABS Generation capacity forecast, ENR 225 global constructor ranking (2005) Analysis
2. The IEA world energy outlook forecasts an average world wide investment of \$ 430 billion per year until 2030; this is ~ 0.8% of current world GDP
3. The power sector includes thermal and hydroelectric power plants, waste-to-energy plants, transmission lines, substations, cogeneration plants, etc.

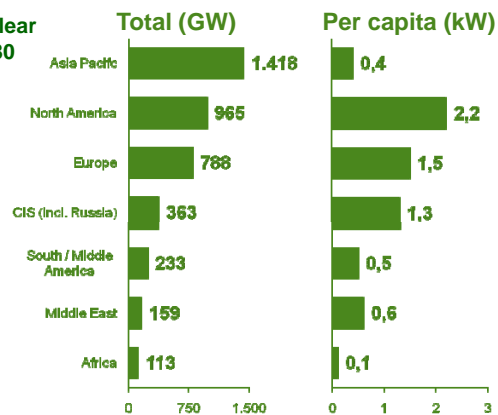
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## Generation sources

**There are ~4,000 GW of capacity installed world wide, more than 85% is coal, gas and hydro**



### Installed capacity by region

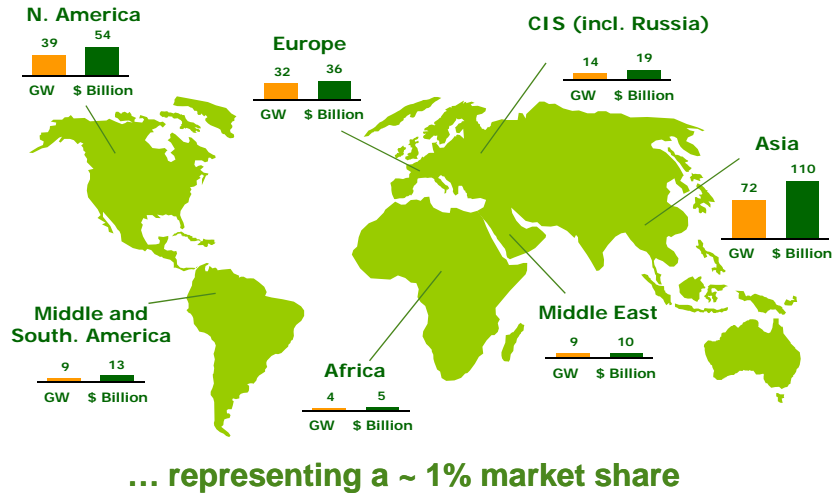


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## Generation market areas



**Iberdrola Engineering covers 30% of the total market, 65% in gas and 45% in hydro ...**



Source: IEA World Energy Outlook 2006, EIA Energy outlook 2007, GWEC, ABS Generation capacity forecast, Analysis  
 Note: New generating capacity includes replacement (40-50% in Europe, CIS and North America)

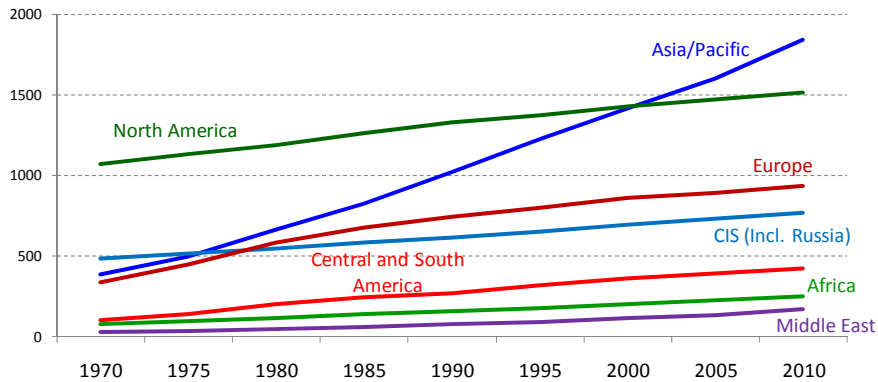
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## Transmission market areas



**Annual growth of 2% in new lines expected till 2011: 500,000 km of new lines in 2011**

The geographical market for Iberdrola Engineering represents 40% of the total: \$ 20 Bn



Transmission is defined as high voltage electricity transmission infrastructure; It includes power lines as well as high voltage substations.  
 The length of installed transmission lines is taken as a proxy for the growth of the transmission infrastructure  
 Source: ABS T & D database 2006

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## Market conclusions



**Huge growth potential:  
1% market share target**

**Iberdrola Engineering is present in key market areas**

**Need to be selective in new projects**

**Financial situation & lack of reliable contractors: a  
competitive advantage for Iberdrola Engineering**

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## Strengths of Iberdrola Engineering & Construction



**Strong expertise of specialized engineering capabilities in the energy sector**

**Large number of references, leading national and international rankings**

**International diversification provides low risk exposure**

**Part of a world leader utility company**

Sharing know-how from both activities

Represents a competitive advantage over our competitors

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## Geographical markets



**Consolidating the already strong international presence**

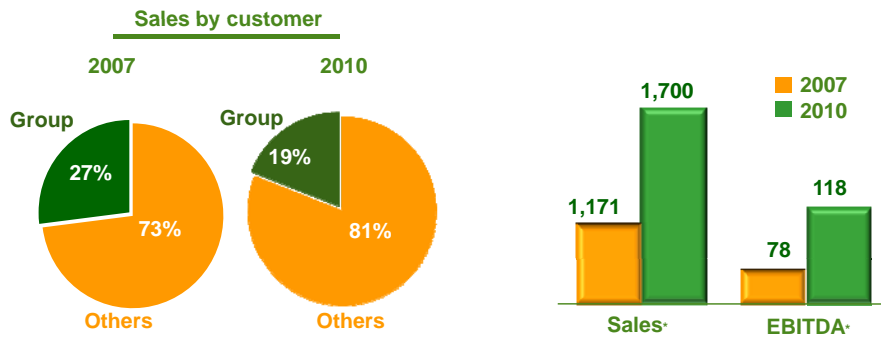
**Target regions for our growth**

- **Middle East**
- **Latin America**
- **Eastern Europe & Russia**
- **North Africa**
- **United Kingdom**
- **USA**

**USA & UK as new developing areas**

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**Steady growth in EBITDA: CAGR +14.8%, while consolidating margins ...**



**... through international expansion and increased activities with third parties**

(\*) This figure does not reflect the works done for REE and the consolidation adjustments in Iberdrola's Group accounts related to transactions between the unit and the Group

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## Peers



**Only engineering company making EPC in all electricity fields: renewables, nuclear & conventional generation**

Peer	Renewables	Conventional Generation	Nuclear Generation	Networks	Oil & Gas
Abengoa	EPC	EPC		EPC	
AMEC	ENG		ENG	ENG	ENG
Babcock International			ENG	EPC	
Pike Electric				EPC	
Spice	ENG			EPC	
Técnicas Reunidas		EPC	EPC		EPC
SNC Lavalin		EPC	EPC	EPC	EPC
Technip					EPC
Linde					EPC
<b>IBERDROLA Ingeniería</b>	<b>EPC</b>	<b>EPC</b>	<b>EPC</b>	<b>EPC</b>	

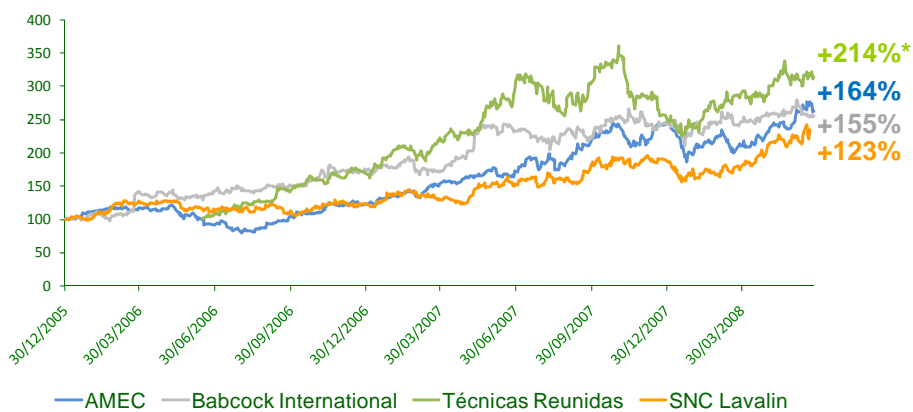
EPC: Engineering, Procurement & Construction ENG: Engineering, Consultancy & Project Management

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## Market performance



**Strong revaluation since January 2006 for companies present in nuclear, renewables & CCGTs**

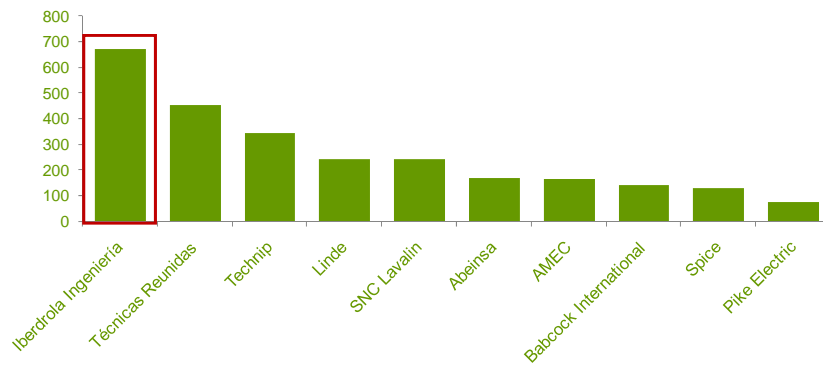


\* Listed on 20-jun-06

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## Net sales / employee

### Sector leader in Net Sales / employee

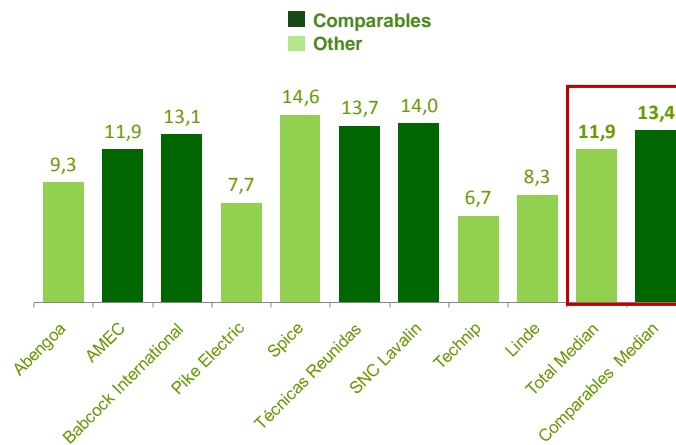


\*Thousands Euros / employee

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## EV / EBITDA 08

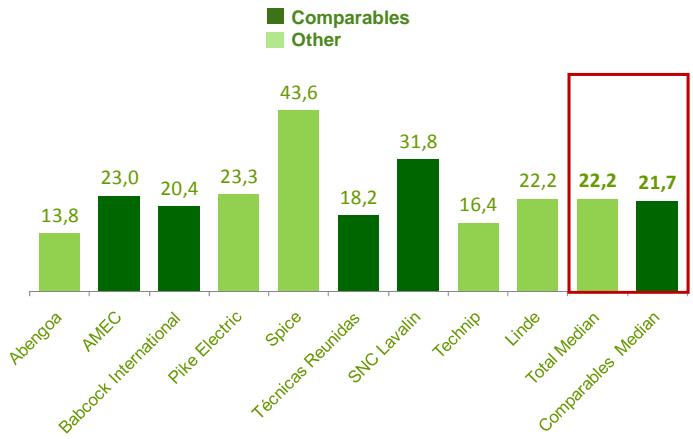
### Comparables median EV / EBITDA 08: 13.4 x



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**Comparables median PER 08: 21.7 X**



**Iberdrola Engineering & Construction deserves a premium on comparables**



Unique position: EPC\* in all electricity fields

Present in strong growth sectors as nuclear & renewables

Sector leader in Net Sales / employee