

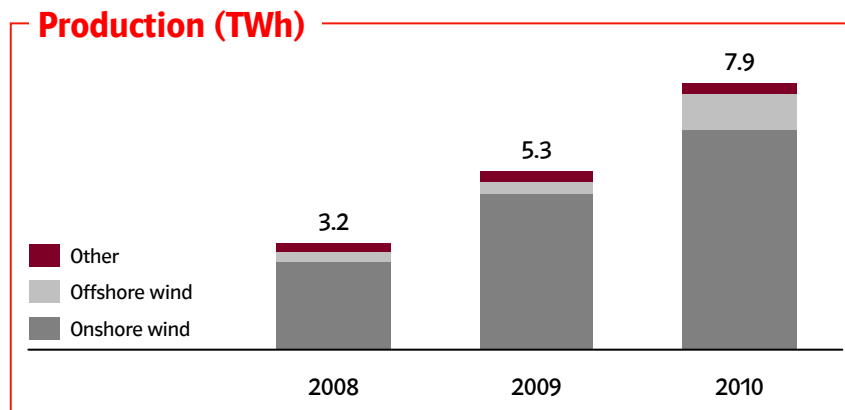
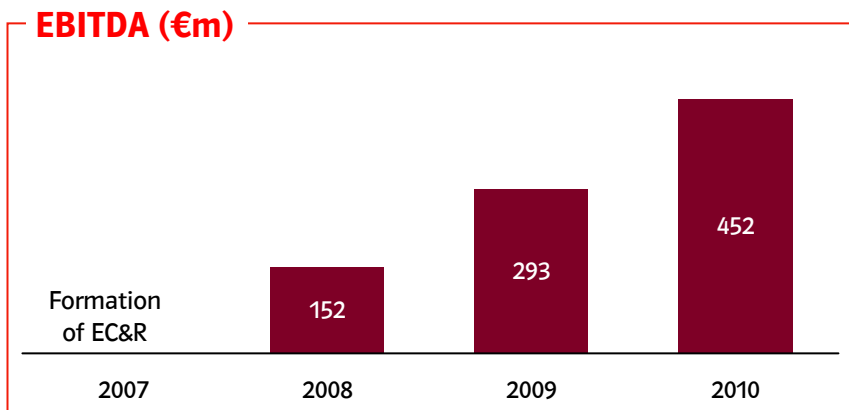
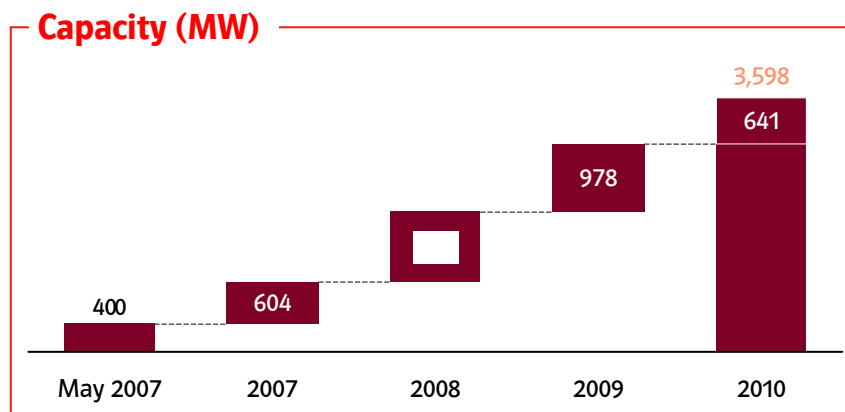
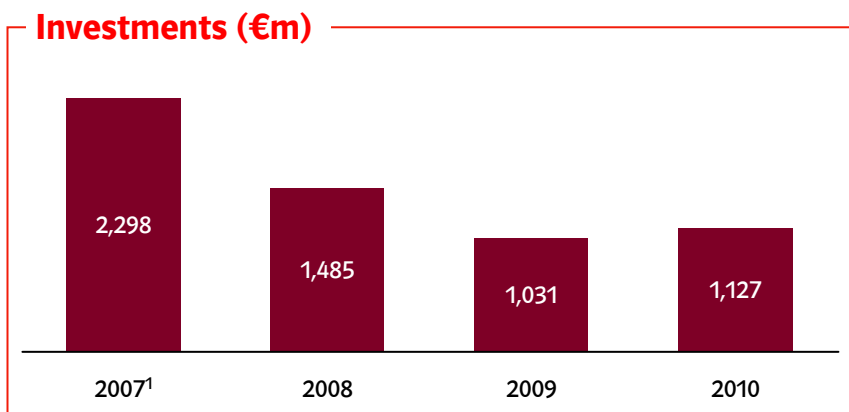


E.ON a “Cleaner and Better” Utility

March 23rd, 2012

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E.ON has participated in renewables since early 2007, with >€7bn total investments and a 10-fold capacity increase



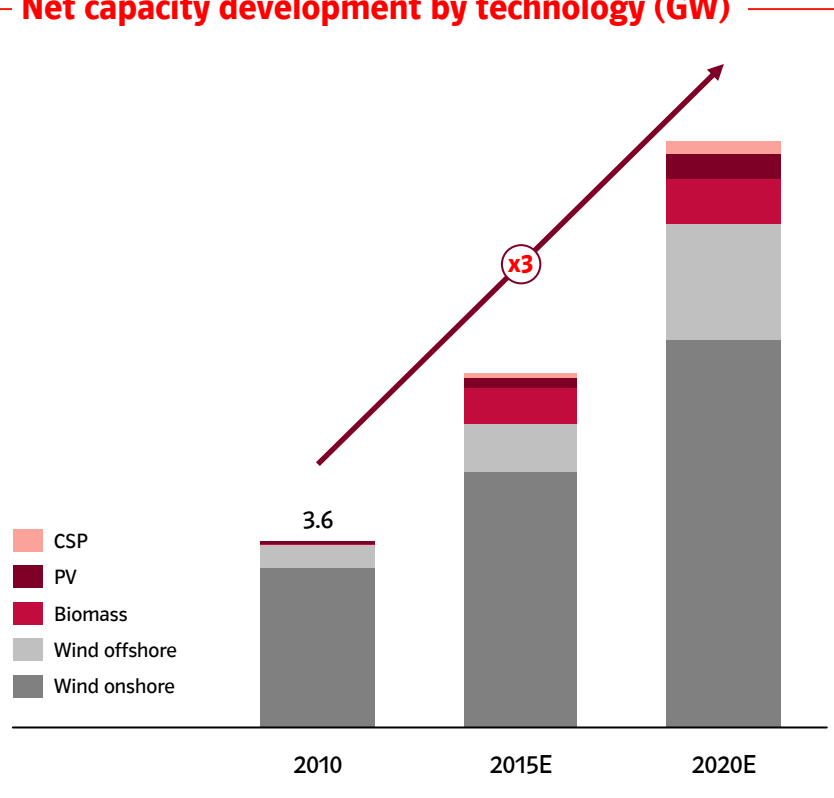
We drive performance by realizing renewable projects where they make sense and create value

¹ Includes initial acquisitions of e.g. EIE, Airtricity
 Note Figures as of year end or for full year, if not noted otherwise
 * Potential further options in E.ON International Energy (EIE) focus markets Brazil, India, Turkey



E.ON will continue to significantly invest in renewables, potentially tripling its owned renewables capacity by 2020

Net capacity development by technology (GW)



Growth ambitions

- Wind onshore** >500 MW net additions p.a.
60% in North America
40% in UK, Poland, Nordic, Spain, Italy, depending on market attractiveness*
- Wind offshore** A new COD every 18 months
North Sea, Baltic Sea
- Biomass** 2-4 fossil plant conversions
- PV** >70 MW net additions p.a.
US, Italy, France*
- CSP** Focus on mid-sized plants
Spain, Italy, US*
- Less capital, more value** Additional US onshore, EU offshore, and PV projects will be realized with a "build, sell & operate" approach

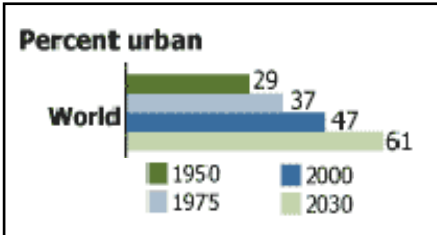
In the next five years alone, we plan to invest a further €7bn

Also we believe that 'Megatrends' will be a stronger drive going forward for the energy business



De-carbonisation

Urbanization



Accelerating Technology

Individualization



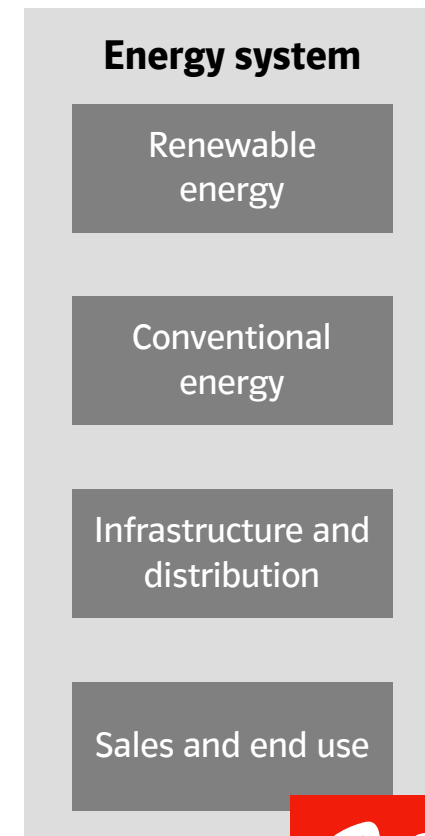
Changing Demographics



Customer needs, political will and technical necessities are shaping the trends of the energy system transformation

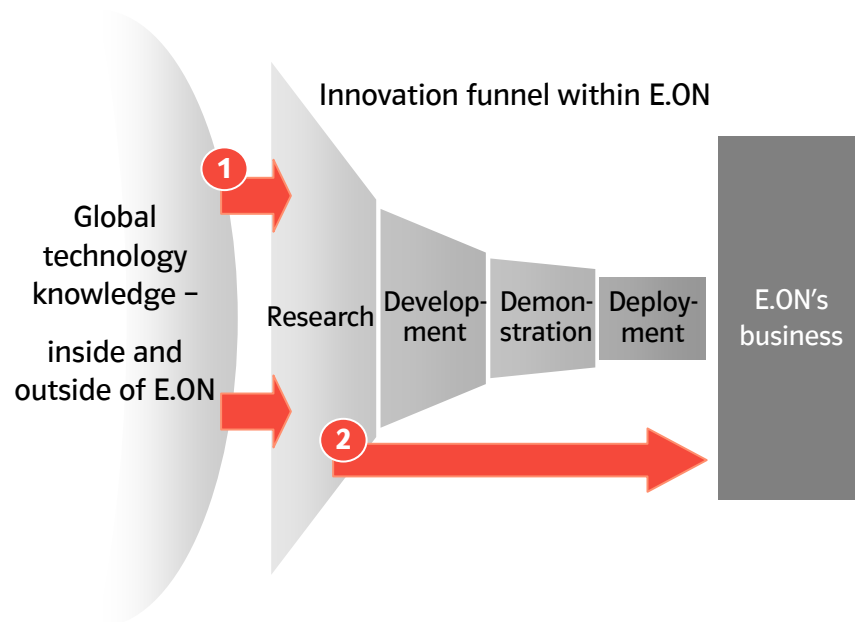
Overarching energy system trends and following needs

- Significant increase in “**at scale**” **renewable** generation
- Need and role for **dispatch-able low-carbon generation**
- Intermittency drives need for **flexible generation** &/or fast turn around **storage &/or grid enhancements**
- Increase in **decentralized energy**
- De-coupling of supply & demand and increasing value of **demand response management**
- Increase in **bi-directional energy and information** flow
- Increasing active **participation of customers** in the energy system



E.ON has created a new organization to prepare for this transformation: Technology & Innovation

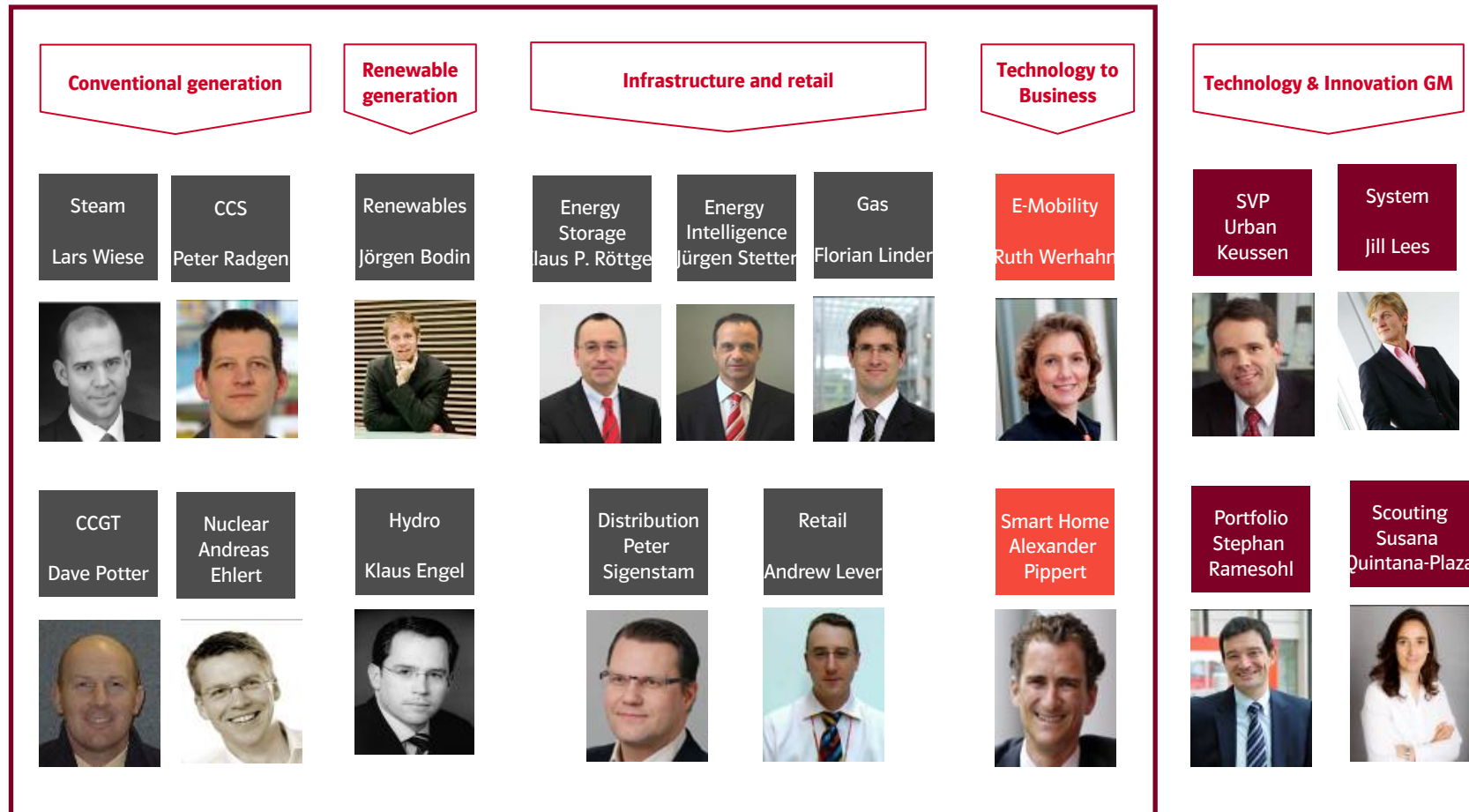
Technology & Innovation @ E.ON focuses on value generation through technology






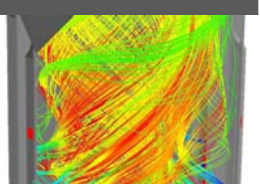


"Turning global technology knowledge into value for E.ON" by ...

- 1** Transferring global technology knowledge into E.ON know-how
- 2** Transforming know-how into value-creating business applications

E.ON Innovation Centers (EIC) manage the majority of Technology & Innovation activities within E.ON


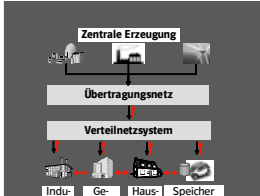

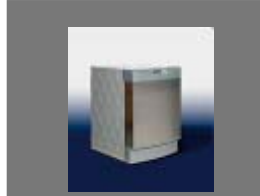




New technology activities (1)

Renewables			Power Plants		
					
Vertical Wind	Concentrating Solar Power	Small Hydro	Gas and Coal Power Plant	Carbon Capture Storage	Nuclear
<ul style="list-style-type: none">• Construct and test first 200 kW turbine (April 2010) to reduce CAPEX, maintenance costs and increase scale	<ul style="list-style-type: none">• Deploy 100 MW CSP plant in 2011 and develop heat storage technologies for flexible production	<ul style="list-style-type: none">• Pilot projects with small hydro plants	<ul style="list-style-type: none">• Increase speed of response and part load efficiency• Widen the operating range	<ul style="list-style-type: none">• Prepare for a potential deployment of CCS to decarbonizes generation from coal, gas and biomass	<ul style="list-style-type: none">• Support operation existing assets and research new business models

Advance key technologies to generate options for future power generation portfolio

New technology activities (2)

Transport & Storage			End Use		
 <p>Large scale electricity storage</p>	 <p>Smart grids</p>	 <p>Small scale electricity storage</p>	 <p>Distributed generation</p>	 <p>E- and gas vehicles</p>	 <p>Smart Home</p>
<ul style="list-style-type: none"> • Understand potential of electricity storage in the future energy system 	<ul style="list-style-type: none"> • Understand feasibility and economics of grids optimized for distributed generation 	<ul style="list-style-type: none"> • Test small scale battery storage systems and generate Hydrogen from excess power to level out fluctuations 	<ul style="list-style-type: none"> • Develop and offer attractive solutions for cost and energy savings to our customers 	<ul style="list-style-type: none"> • Understand potential, derive implications for our business and roll-out products 	<ul style="list-style-type: none"> • Roll-out of automated monitoring and control of household appliances to increase comfort and reduce costs

Test new technology concepts and business models for downstream products



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