

Directorate-General for Energy

Towards a low carbon future – The EU strategy and vision about the role of technology development

Fabrizio Barbaso Deputy-Director General at DG ENERGY

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The context: the EU energy policy

- Objectives of the EU energy policy
 - Sustainability
 - Security of supply
 - » Competitiveness
- « 20-20-20 Targets »
 - » Reduction of CO2 emissions by 20%
 - Increase of share of renewables in energy consumption to 20%
 - Increase of energy efficiency → Reduction of anticipated energy demand by 20%



The SET-Plan – the technology pillar of the European energy policy

- Core idea behind the European Strategic Energy Technology Plan (SET-Plan): make low-carbon technologies affordable and competitive
- **Approach**: focus on European Industrial Initiatives (EII) to
 - Strengthen industrial participation in energy research and demonstration,
 - » Boost innovation
 - Accelerate deployment of low-carbon energy technologies

Target sectors:

- Wind power
- Solar power
- Biomass (in particular, second generation biofuels
- Smart electricity grids
- Carbon sequestration (CCS)
 More efficient and safer nuclear power plants
- Electric and hydrogen-powered vehicles
- Energy-efficient products and services

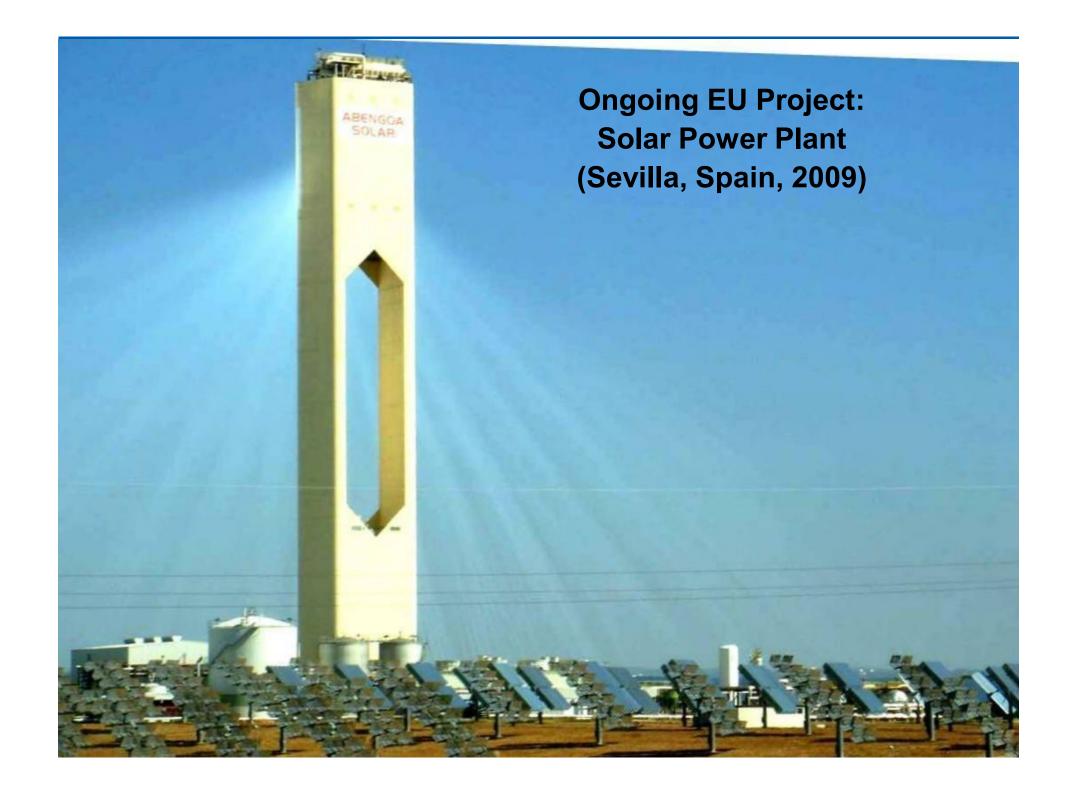




SET-Plan









Smart-Cities Vision for 2015: From Zero-Energy buildings towards Zero-Energy cities





The way forward

- Building up on these success stories, more results are needed!
- Joint efforts with industry to increase investments in technology development are crucial!
- Additional funding for better and cheaper energy technologies: estimated at around 50 billion EUR for the next 10 years (2010 – 2020)!



