GLOBAL PV – QUO VADIS?



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Price Experience Curve of Solar Energy (c-Si Photovoltaics) - Driven by Innovation & Market Introduction!

Source: Navigant Consulting; EUPD PV module prices (since 2006), Graph: ISE 2014

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PV Electricity Cost (LCOE) till 2050 in different regions

Source: ISE PV cost study 2014

World Market Outlook: Experts are Optimistic **Example Sarasin Bank, November 2010**

market forecast (2010): 30 GW $_{p}$ in 2014, 110 GW $_{p}$ in 2020 annual growth rate: in the range of 20 % and 30 %

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PV Market Growth (IEA 2014)

- Rapid introduction of PV globally is fueled by availability of costcompetitive, distributed energy
- In 2050 between 4.000 and 30.000 GW_p PV will be installed!
- By 2015, less than 200 GW_p have been installed!

Global PV Production Capacity and Installations

Outlook for the development of supply and demand in the global PV market.

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Grid stability with growing amounts of fluctuating RE: Grid in Germany today more stable than in 2006!

Quelle: Bundesnetzagentur (2015); http://www.bundesnetzagentur.de/DE/ Sachgebiete/ElektrizitaetundGas/Unternehmen_Institutionen/ Versorgungssicherheit/Stromnetze/Versorgungsqualität/Versorgungsqualitätnode.html; BMU, BEE, bdew

Hans-Josef Fell – MdB (1998-2013) Präsident der Energy Watch Group

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