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Improving our future™

Photovoltaic Solar Energy in South Africa

November 2010

Raymond Carlsen, CEO



**One hour of solar radiation =
one year of global energy consumption**

Photovoltaics produces electricity directly and has some unique advantages

- I. Sustainable
- II. Modular
- III. Distributed
- IV. Energy security

1,4% of Sahara covered with PV could cover 2050 global electricity need



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Photovoltaics – the most sustainable energy source?

- No fuel, no emissions
- No moving parts, no noise
- Low to no maintenance
- No fuel or water required
- Energy pay-back time from production process less than 1 year



Modularity means that production capacity can be added quickly

- Fast installation
- Fast production start
- Easy to expand with growing future demand



PV is distributed making it very applicable for remote areas

- Can be deployed where the need for power exist
- Possible to install in multiple areas to strengthen the grid
- Can even be grid independent
- Suitable for remote areas



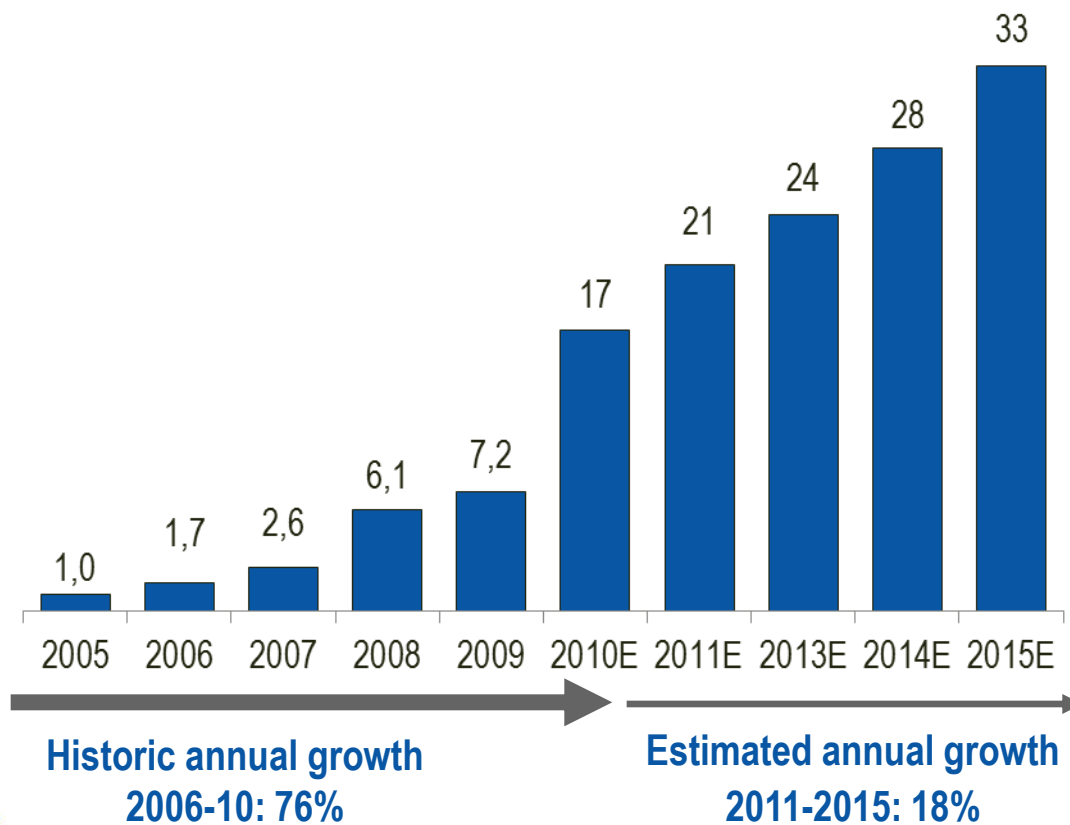
Energy Security concerns is a large PV driver

- Mature Technology
- Predictable
- Reliable
- Clean power delivered for 30yrs



Installed volumes are growing quickly

Annual world PV installations (GW)



Capacity additions start making a difference

Cumulative installed capacity

-End of 2009: 23 GW

-End of 2015: 186 GW

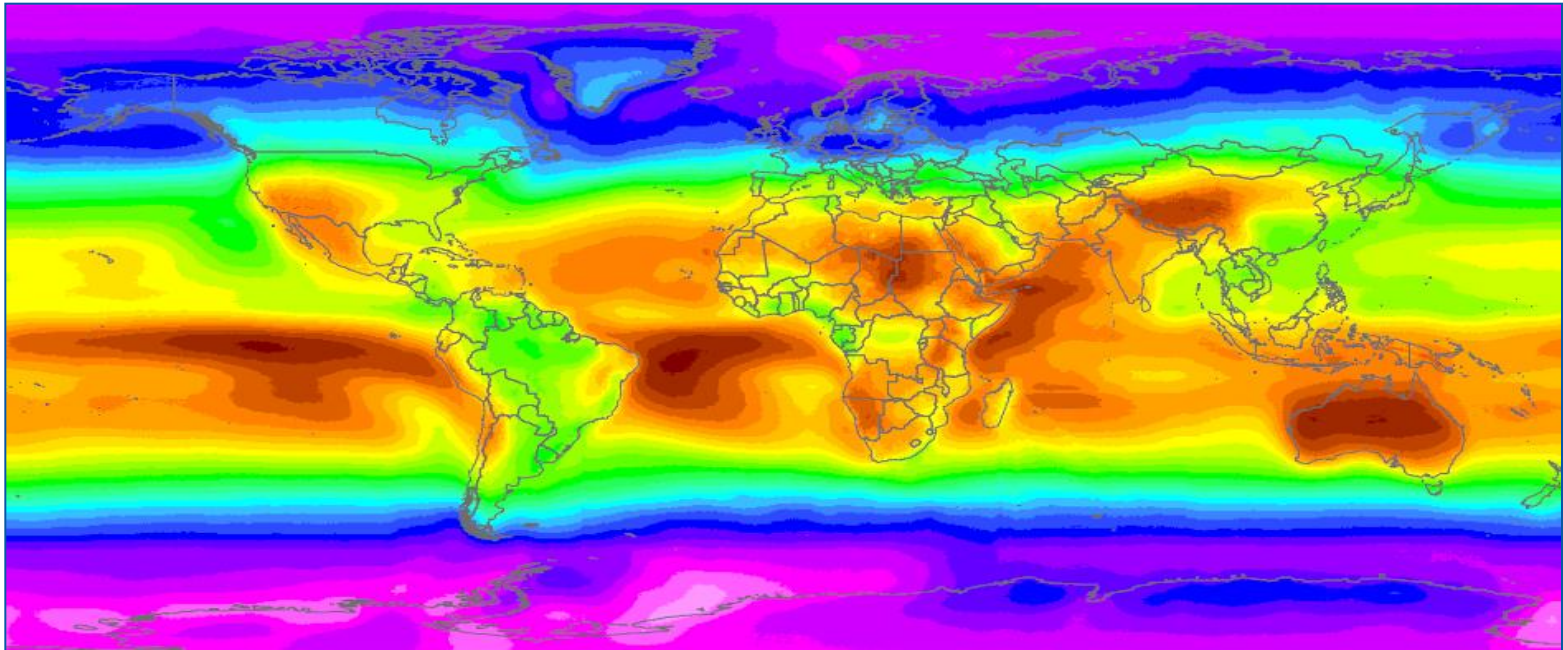


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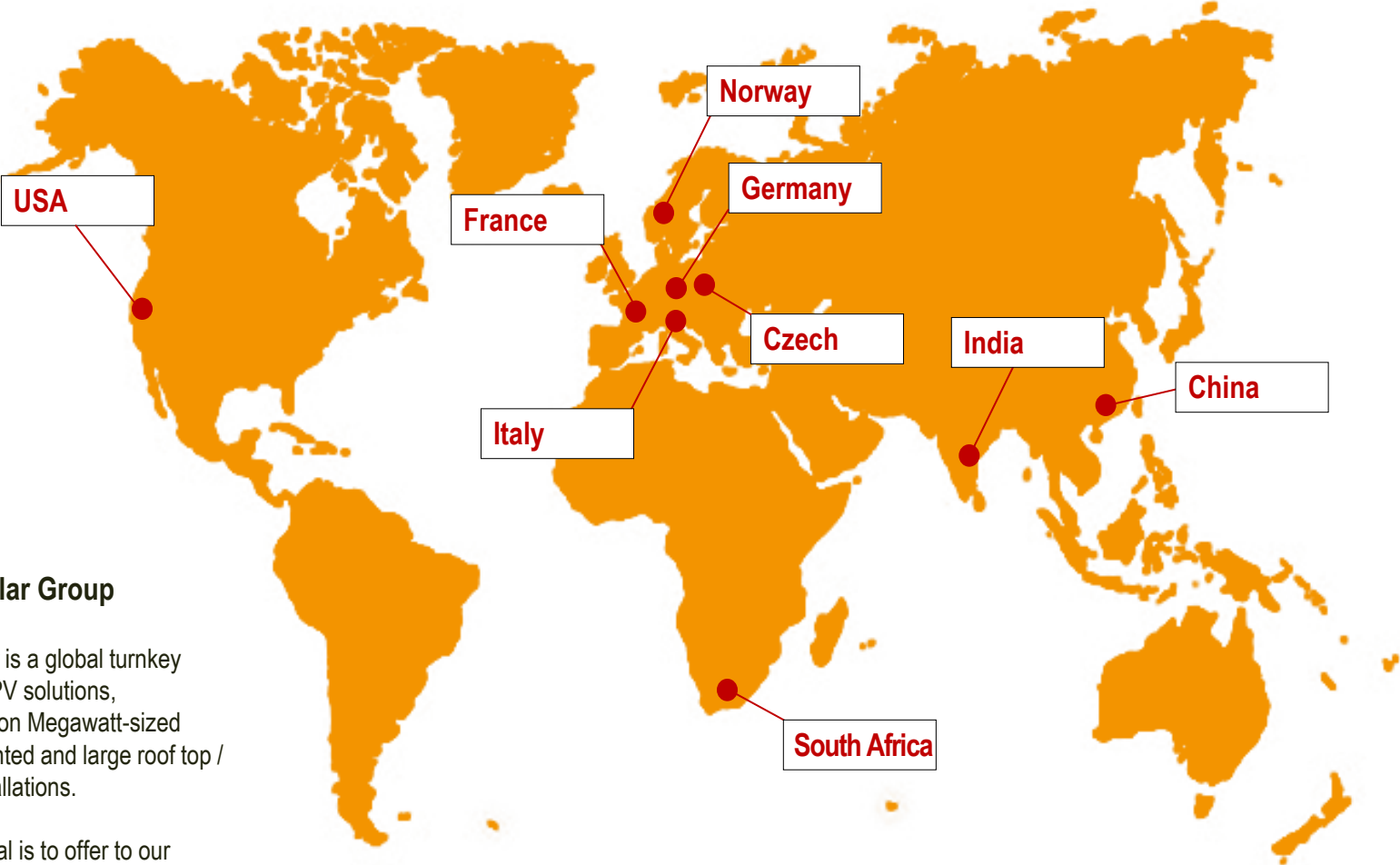
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Source: Solarbuzz; Deutsche Bank (Feb 2010); Morgan Stanley (March 2010); Photon International (March 2010); Nomura Bible Solar 04/10

South Africa is ideally suited



Scatec Solar is a global organization



Scatec Solar Group

Scatec Solar is a global turnkey supplier of PV solutions, with a focus on Megawatt-sized ground mounted and large roof top / carport installations.

Our main goal is to offer to our customers solar power at attractive and affordable conditions – worldwide.



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Our Vision:

Improving our future



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The Scatec Solar way

One company
our values

predictable
driving results
change makers
working together



Sulkov, Czech Republic

What is required for to successfully integrate Renewable Energy and successfully reach 10 000 GWh by 2013?

- Transparency
- Clarity
- Realistic time lines for implementation
- Solid contingency plans in case of delays