





Nikolaus Meyer | SNEC PV Power Expo 2011 | 24 February 2011

Passion for CIS since 1991 – more than 200 years of combined CIS experience





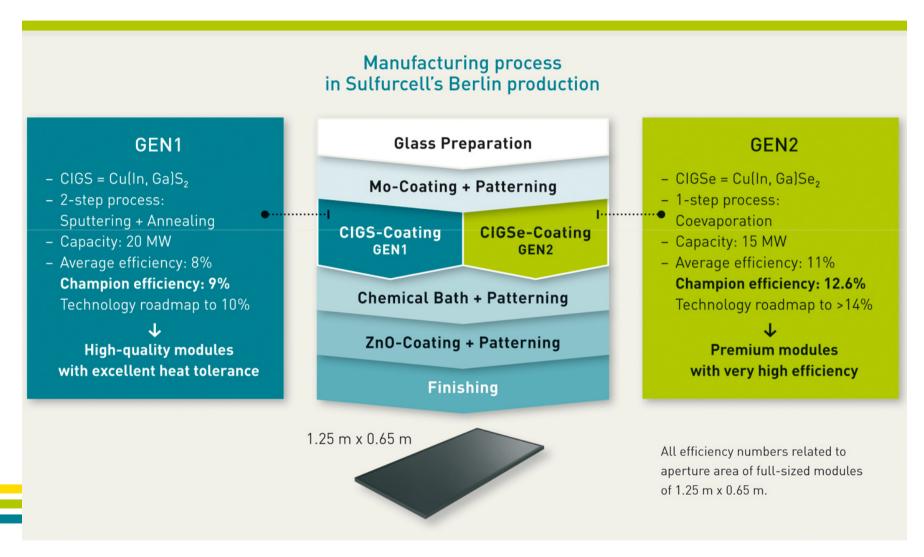
Commercialization

- Shipping products since 2005
- Over 150,000 modules sold
- Specialised modules and system solutions for solar construction

Funding

- Equity raised to date: € 114m
- Last equity injection in Jan 2011 (€ 19m)
- Blue-chip investor base, a.o. Intel Capital, Climate Change Capital, Vattenfall Europe, GdF Suez, Masdar

Sulfurcell's technology platform for CIGS & CIGSe: Modules with premium performance and top efficiency

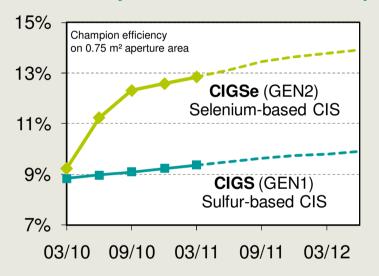


SULFURCELL

Manufacturing excellence



Efficiency enhancement and roadmap



- Commercial production since 2005
- 35 MW facility in ramp

 Combined CIS experience of more than 200 years in Sulfurcell's staff of technologists

 Technology protected by more than 60 patents, key productions tools designed by Sulfurcell

What is a solutions based approach?

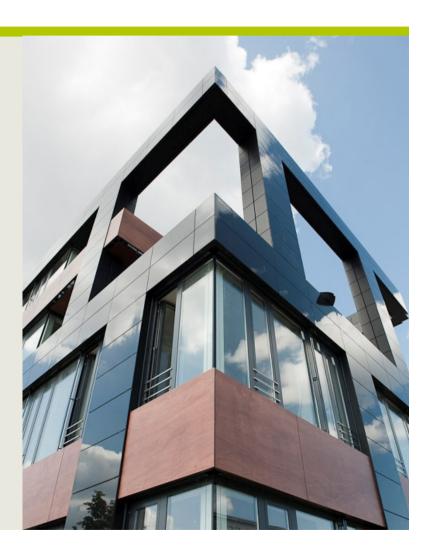


Solutions based approach

 Smartly assembled PV systems equally optimised for **aesthetics and performance** (energy yield, quality, safety)

\rightarrow Solar Construction

- Cost optimisation by selecting and developing modules, mounting materials and electrical components perfectly fitting to each other.
 - \rightarrow Reduction of system costs



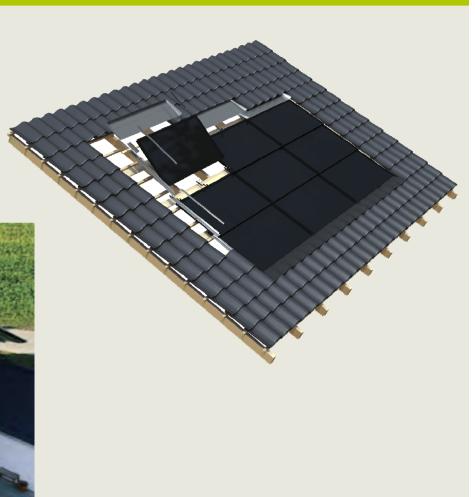
Cost reduction by CIGSe-based PV - A solutions based approach

Residential Rooftop Solution



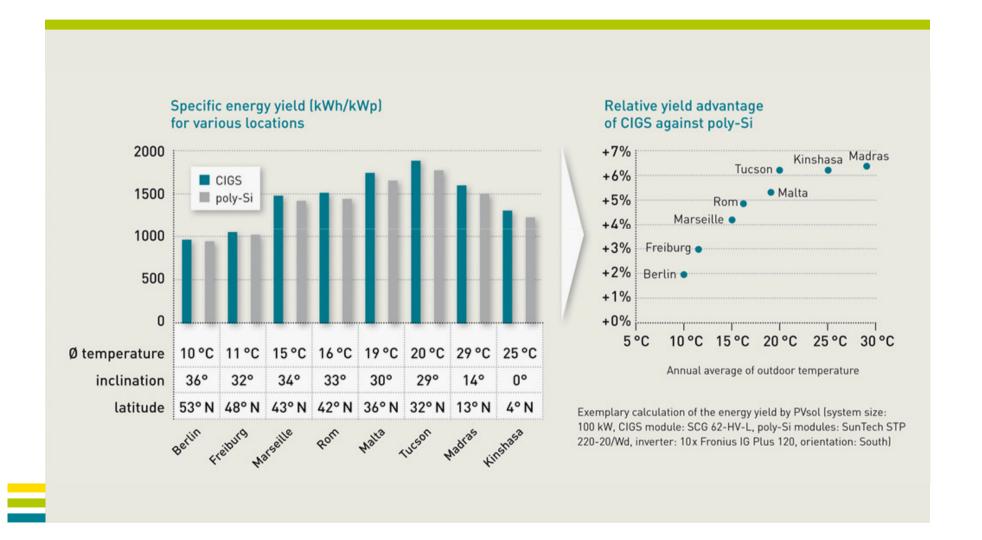
- Replace entire roof tile with Swiss framing system SOLRIF
- 100% weatherproof
- Available as 3 kW kit including all mounting materials
- Cost savings on conventional roofing materials and labor (≈ \$.50/Wp)





Top performance of Sulfur-based CIS modules on hot locations



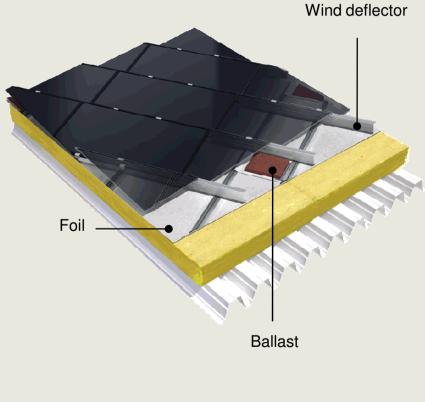


Commercial Rooftop



- No roof penetrations
- Minimized system weight and wind load (system: 3.9 psf + ballast: 2 psf)
- High power density due to low angle installation (> 50kW / 10k sq. ft.)
- High energy output due to superior performance of Sulfurcell modules under heat and low angle insolation







German Headquarters

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