



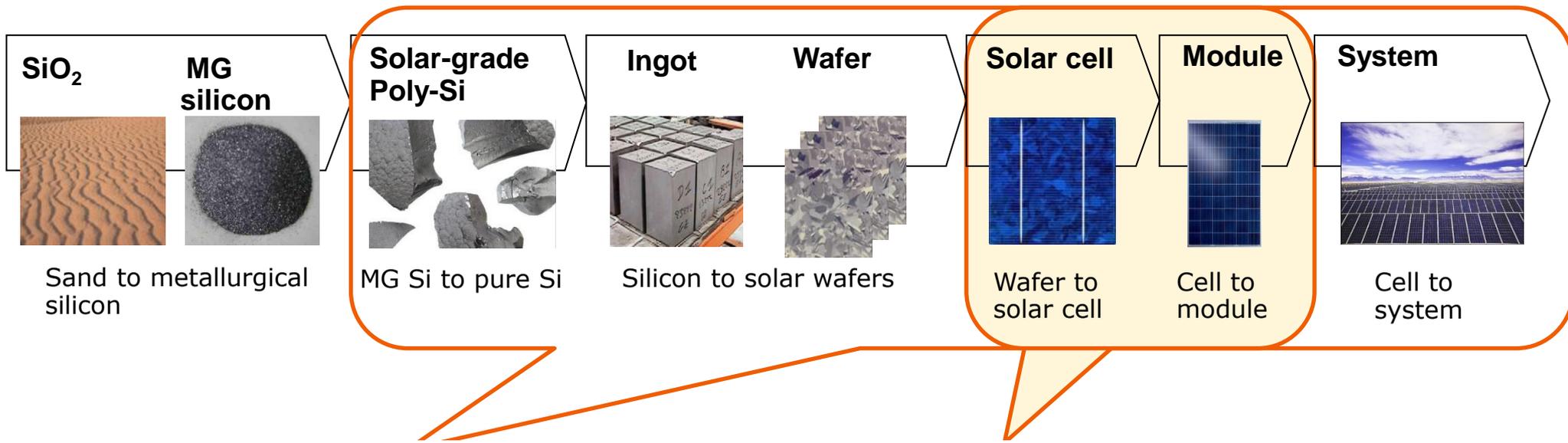
Solar Solutions

“driving technology
to mass production”



Solsol - Global Footprint







Company Overview

- ✓ Founded in 2008, headcount 12 (contractors excl.)
- ✓ Located in **Germany**, offices in **Singapore** and **India**
- ✓ Team of **physicist and electrical engineers** with roots in Q-Cells, centrotherm, GP-Solar, and ICOS
- ✓ Sweeping, detailed, and hands-on know-how in **c-Si PV physics and production technology**
- ✓ Strong **network** in **global PV industry/scientific community**
- ✓ 40+ years of **experience** in the PV industry
- ✓ 10+ **patents** in PV device and process technology



Solsol's Outstanding Qualifications

- ✓ Sweeping and in-depth knowledge of the **complete production process** of poly-Si, wafer, cell and module
- ✓ Overview of leading-edge **device and process technology**
- ✓ Overview of the market for **equipment and consumables**
- ✓ Detailed understanding of the **business model** for poly-Si, wafers, cell, module factories
- ✓ 20+ years of shop-floor experience in **trouble shooting and technology implementation**
- ✓ Global **network** in the PV industry throughout the value chain
- ✓ 8+ years of **active research** on CIGS, selective emitter and new back-side concepts
- ✓ Years of experience in **management** of international projects



Business Activities for Cell and Module

✓ **Technology**

Line Audits, Line Optimisation and Cost Reduction on site
Process Development with Equipment Manufacturers

✓ **Consulting**

Technology Evaluation, Financial Modelling, Strategy
Plant Management and Interims Management

✓ **Turnkey Factory Projects**

Technology Selection
Line Specification
Tool Specification
Supplier Supervision
Ramp-Up and Performance Guarantee
Upgrade Packages with leading-edge technology



Partners



IPV – University of Stuttgart, Germany



JBC – Japan Business Group, Tokyo, Japan



Blistech International, Delhi, India



AEP Energie-Consult, Facility Engineering, Gera, Germany



Dr. Mozer, poly-Si to wafering, Burghausen, Germany



References: Customer Base Europe



Solarwatt Cells GmbH

Line optimisation

Germany, 2009



BOSCH GmbH

High efficiency workshop

Germany, 2009



REC ScanCell AS

Line optimisation, technology management

Norway, 2010 -2011



Blue Chip Energy GmbH

Line optimisation

Austria, 2009 - 2010



Conergy

Line optimisation

Germany, 2011



Sovello

Line optimisation

Germany, 2011

Singulus

Turnkey factory project at BSE

Germany/Lithuania 2012 /13





References: Customer Base international



Jupiter Solar Power Ltd
India 2009 – today

Interimsmanagement, line ramp-up and optimisation



Websol Energy Systems Ltd
India, 2009

Interimsmanagement, line optimisation



REC SingCell AS
Singapur 2011 - today

Management vertical optimisation,
from wafer to module



Evergreen solar
USA, 2010

Line audit and improvement roadmap



Solartron
Thailand, 2011 – today

Line ramp-up, optimisation
interimsmanagement
turnkey factory project