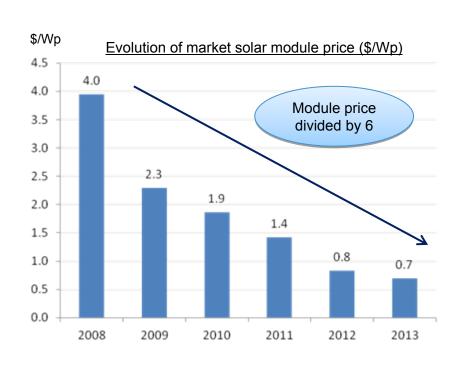
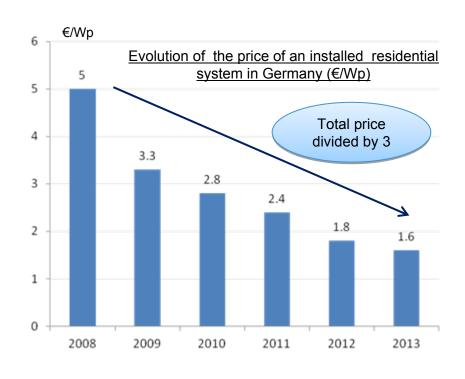


### **CONFIDENCE IN THE ENERGY**

### COST OF SOLAR HAS DROPPED IN THE LAST FEW YEARS...



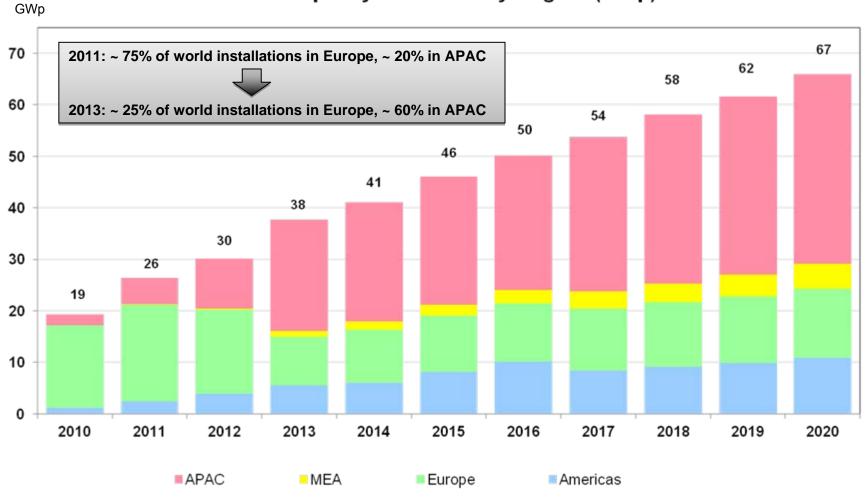


- Drop in module price (cost improvements, scale effects, pricing strategy)
- Stabilization of module prices now expected, but all in system price still expected to decrease
- Solar power has emerged as a competitive power source (but intermittent)



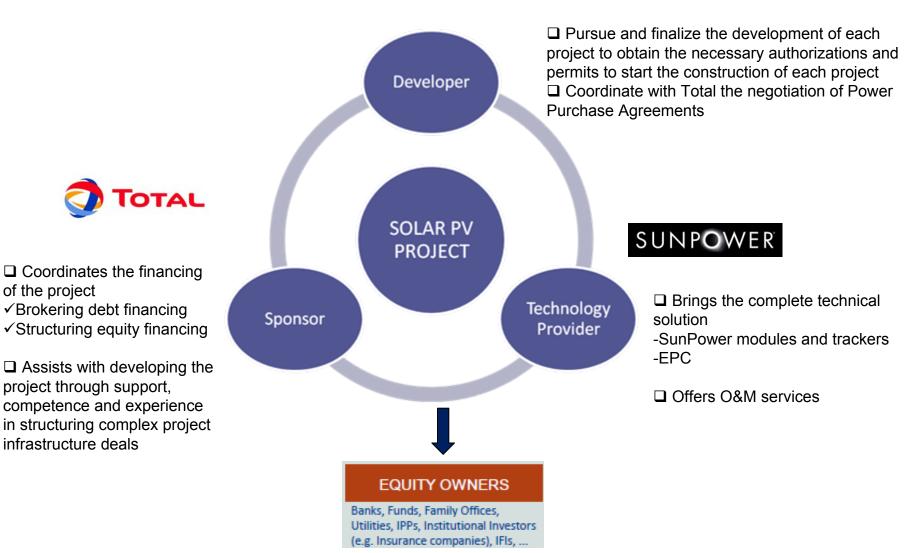
### ... ALLOWING A TREMENDOUS GROWTH OF INSTALLATIONS

### Annual PV Capacity Additions by Region (GWp)



### **CONFIDENCE IN THE PARTNERSHIP**







□ Coordinates the financing

√ Brokering debt financing

project through support,

infrastructure deals

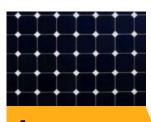
√ Structuring equity financing

competence and experience

of the project

### Confidence in the technology

## Integration in the power plant value chain



Ctill & Panel Manufacturing

- Maxeon cell technology
- Highest efficiency<sup>1</sup>
- Highest production<sup>2</sup>
- Unmatched reliability<sup>3</sup>



Grund Mount Feducts

- #1 in deployed tracker technology
- Oasis: 1st standard power block
- C7: Breakthrough CPV solution



### Project Development

- Experts in design, permitting, land acquisition
- Multi GW pipeline
- Global development team



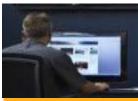
P ject Financing

- 1.2 GWp financed (\$4.4B)
- Investment grade bond ratings<sup>4</sup>
- Partnerships with the best financial institutions, IPPs, & utilities



**5.** 

- Turnkey EPC services
- Strategic EPC partnerships
- Flexible
   business model



**6**<sup>M</sup>

- 1 GW of operational systems managed
- 24x7 plant monitoring
- Industry leading plant availability
- Monitoring platform built on Pi & Maximo software



<sup>&</sup>lt;sup>1</sup> Out of all 2600 panels listed in Photon International, Feb 2012.

<sup>&</sup>lt;sup>2</sup> Most energy per rated watt out of 190 panels. Photon International, Feb 2013.

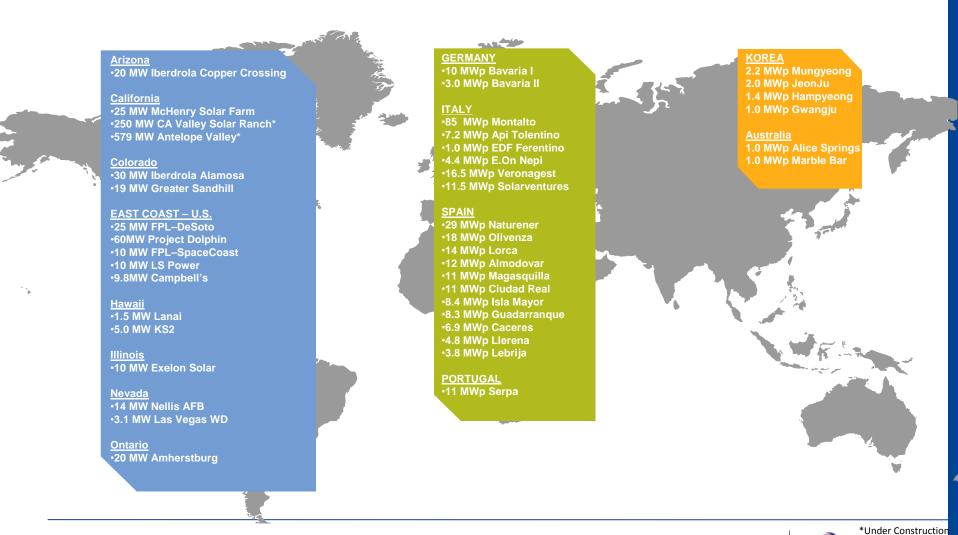
<sup>3 #1</sup> rank in "PV Module Durability Initiative Public Report," Fraunhofer ISE, Feb 2013. Five out of the top 8 largest manufacturers were tested.

Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, Feb 2013. See www.sunpowercorp.com/facts for details.

<sup>&</sup>lt;sup>4</sup> Investment grade rating for Montalto project bond, Italy, Dec 2010

## Confidence in the technology

### Proven Execution of 800+ MW Installed

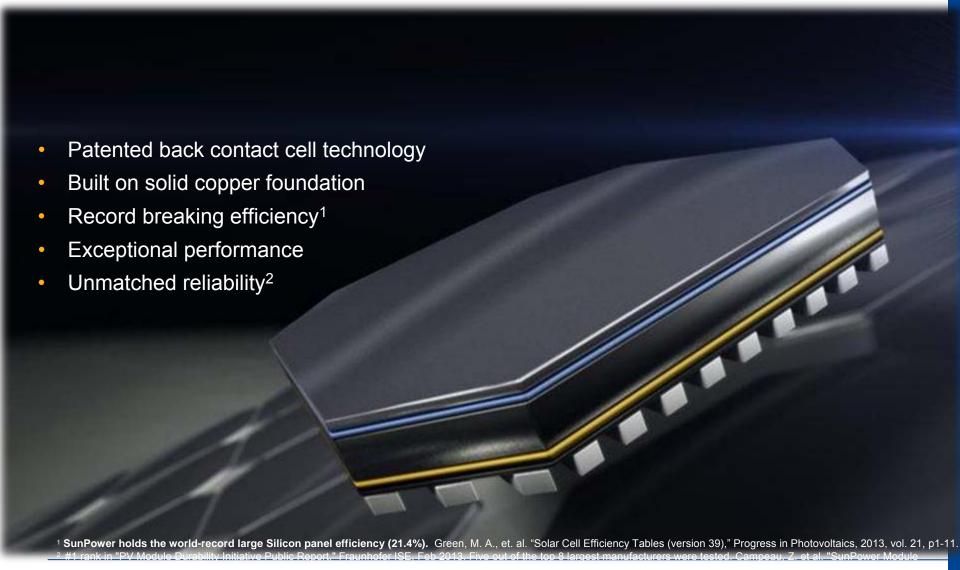




# CALIFORNIA VALLEY SOLAR RANCH (250 MW) **DECEMBER 2011**



# CONFIDENCE IN THE TECHNOLOGY THE SUNPOWER® MAXEON® SOLAR CELL





## CONFIDENCE IN THE TECHNOLOGY BUILT IN TO A PANEL THAT DELIVERS THE BEST RESULTS



**Highest Efficiency** 

20.4%

Panel efficiency means more watts per square foot than conventional solar<sup>1</sup>

**Highest Production** 

7%-9%

More energy per rated watt than conventional solar<sup>2</sup>

**Unmatched Reliability** 

0.25%

The industry's lowest average degradation rate means more energy over the total life of the panel<sup>3</sup>

<sup>3 #1</sup> rank in "PV Module Durability Initiative Public Report," Fraunhofer ISE, Feb 2013. Five out of the top 8 largest manufacturers were tested. Campeau, Z. et al. "SunPower Module Degradation Rate," SunPower white paper, Feb 2013. See www.sunpowercorp.com/facts for details.



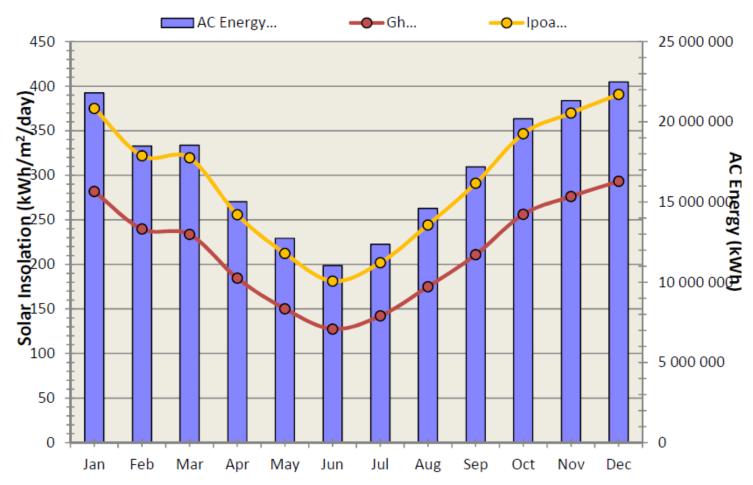
<sup>&</sup>lt;sup>1</sup> Out of all 2600 panels listed in Photon International, Feb 2012.

<sup>&</sup>lt;sup>2</sup> Most energy per rated watt out of 190 panels. Photon International, Feb 2013.

# CONFIDENCE IN THE RESOURCES SOLAR IS A PREDICTABLE SOURCE OF ENERGY

▶ P50 energy simulation

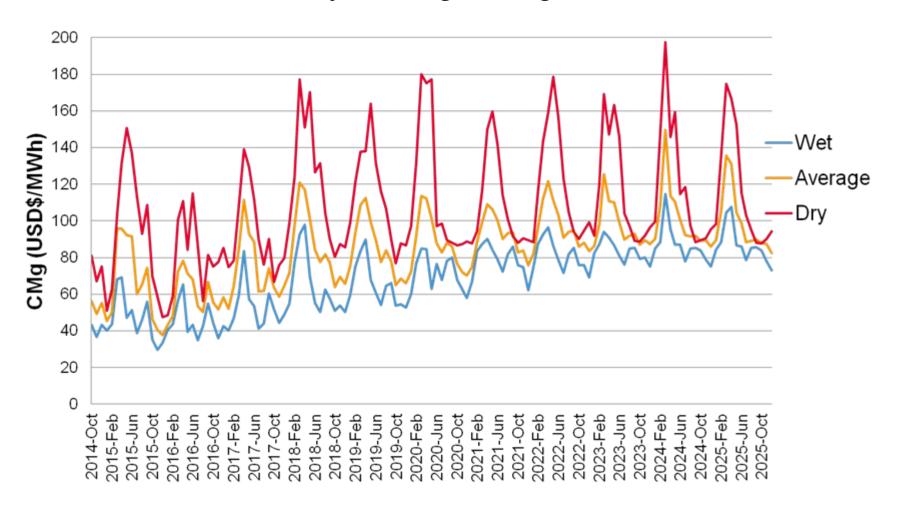
#### **Expected Monthly Energy Production and Solar Resource**





### **CONFIDENCE IN THE REVENUES**

### Monthly Average Marginal Cost





# KEY LEVERS TO REDUCE THE COST OF SOLAR ELECTRICITY IN CHILE

Criteria	Details	Nature of impact	Achievable lever	Lever impact on LCOE	
Structured Finance	Interest rate, gearing	Lower financing cost increase the available cash flows	Reduction of financing costs by10%	-13%	
Yield (KWh/KWp)	<ul><li>Solar resource (kWh/m2)</li><li>Superior product &amp; technology</li></ul>	Direct linear impact on cash flows	+ 8% on the yield	- 7%	
Project Size	Total MWp installed	•Reduce unitary fixed costs •Increase appetite of investors and lenders	+50% of MWp installed	- 5%	
Cost of Interconnection	Gen-tie distance (km) Type of interconnection (tap- off versus new sub station)	Impact on Capex of the project to be financed	2.5M\$ (min) versus 10M\$ (avg)	-4.5%	
EPC Price	\$/Wp installed	Impact on Capex of the project to be financed	- 10% of the EPC price	-3.4%	

## CONDITIONS TO SOLAR PROJECT DEPLOYMENT AT LARGE SCALE

- Solar is a good response to a very extensive country (4200km N/S)
- It is key to reduce carbon footprint (coal and diesel) in the north of Chile, it is complementary to other sources of energies (LNG, hydro, wind)
- Consensus within Gvt that Chile needs solar energy resource
- Access to financing: solar projects are capital intensive debt leverage is key
- Maturity of the industry: solar projects are the long term investment and need credible players
- off-take market organization: power markets have to combine solar with conventional energies (tenders, % of renewable energy in utility mix...)
- Regulation in favor of more decentralized energy sources
  - Interconnection rules must adapt to less centralized energy
  - Net Metering: in Chile the law has enacted the principle but not yet issued the application rules

TOTAL