

# REFERENCE LIST

## Ground Plants

# Amonix Lab | Denver, CO - USA



**Power:** **85 kWp**

**Connection date:** Jan 2012

**EPC:** Amonix / SolarTAC

**Customer:** Amonix

**Modules:** Amonix CPV two-axes tracker

**Inverter:** Santerno TG 100 NA

## Notes:

- 210 high efficiency multi-junction cells
- ca. 30% module high efficiency
- 7 strings each tracker
- one single inverter (one MPPT) each tracker
- Active/reactive voltage / PF control
- UL 1741 compliant
- Scada monitoring system included



# Alfonsine and S. Alberto | Ravenna - Italy



**Power:** total cluster of 123 MW

**Connection date:** 2010 - 2011

**EPC:** Tozzi Sud Spa

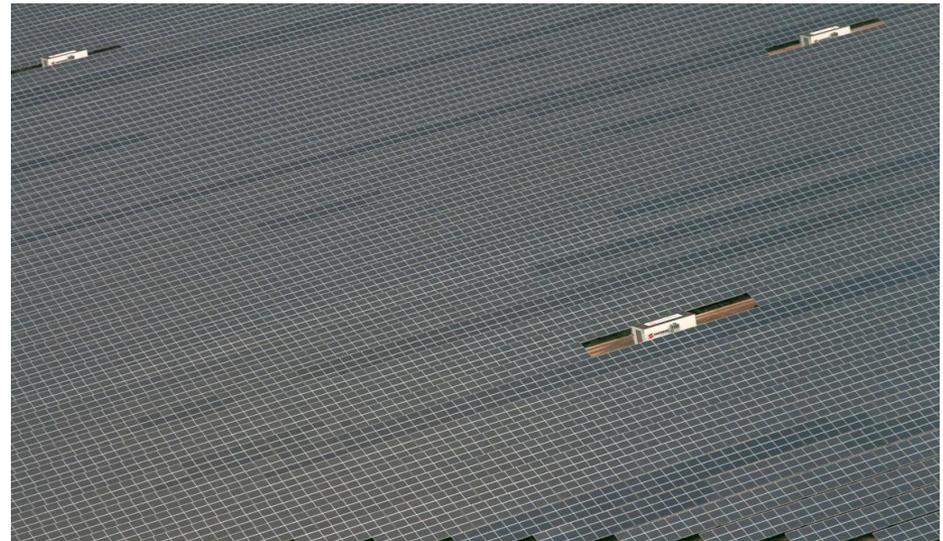
**Customer:** Terna

## Inverters:

- **Project 1 San Alberto:** 42 Sunway™ Station 1.350 and 752 Smart String Box 1000V – Modules: Jinko
- **Project 2 Alfonsine:** 40 Sunway™ Station 1.350 and 560 Smart String Box 1000V – Modules: Trina

## USPs / Key Notes

- 97% availability and maintenance contract for 20 years warranty
- PV plant completed in five months thanks to SANTERNO plug-and-play solutions
- Bearing structure of the modules: galvanised steel and aluminium with no use of concrete (Supplied and installed by Schletter GmbH)
- Oil MV transformer
- Area size: total of 240 ha (2,4 Km<sup>2</sup>)
- Expected production: total of 148 GWh/year



# Bagnolo di Po, Rovigo - Italy



**Power:** 100 kWp  
**Connection date:** 2010  
**EPC:** Elektra Group  
**Customer:** Comune Bagnolo di Po  
**Modules:** VPM Solar  
**Inverter:** 1 Sunway™ TG 110 600V



# Belgorod - Russia



**Power:** **100 kWp**

**Connection date:** 2010

**EPC:** LLC "VIECO"

**Costumer:** ALT Energo Invest kft.

**Inverters:** 2 Sunway™ TG 61 600V

## USPs / Key Notes

- The largest running PV plant in Russia
- SANTERNO was chosen as supplier due to the shortest delivery time for high-end inverters
- The project is the first PV station of its kind in in Russia, a good reference for any additional project
- New projects are already in the pipeline, capitalizing on SANTERNO's favourable market position in Russia
- Two Smart String Boxes with 24 inputs and two LED Displays



# Corinaldo | Ancona - Italy



**Power:** **5,5 MW**

**Connection date:** **2010**

**EPC:** General Building – IFE Eriksen AG

**Modules:** 23.000 Aleo Avim

**Inverters:** 5 Sunway™ TG 750 900V TE  
3 Sunway™ TG 730 800V TE



# Shigatse | Tibet - China



**Power:** **10 MW**

**Connection date:** 2011

**EPC:** Longyuan Group

**Inverters:** 12 Sunway™ TG 750 900V TE

## Notes:

- The plant is located in the regions of Shigatse, Tibet
- Altitude: **3.895m asl**
- Atmospheric conditions of this type (desert area, altitude, strong sunlight) may subject the facility to non-optimal working conditions and require that the inverters are rugged and can withstand and manage these situations.



# Golmud | Qinghai - China



**Power:** **10 MW**

**Connection date:** **2010**

**EPC:** Longyuan Group

**Inverters:** 18 Sunway™ TG 730 800V TE  
2 Sunway™ TG 750 900V TE

## Notes:

- The facility was built by Longyuan, which is part of China Guodian Group (one of 5 major power companies in China).
- Longyan was established in 1993 and becoming a leader internationally.
- Longyan below 70% of businesses related to renewable energy of the parent company.
- In the photovoltaic industry has a total of 1 GW of installed.
- The installed capacity of 60MW in 2010 was
- The planned installed capacity by 2020 is 2GW



# Soletto | Lecce - Italy



**Power:** **6 MW**

**Connection date:** 2010

**Investor:** HFV Novenergia

**EPC:** Ansaldo Energia

**Inverters:** 6 steel Sunway™ Station  
1020



# South Korea

**Power:** **total of 3.1 MWp** (3 projects)

**Connection date:** **2010**

**Customer & EPC:** SR TECH CO., LTD

**Inverters:**

Project 1: Two PV Plants, 1 MWp each

3 Sunway™ TG 485 KR-800V

4 Sunway™ TG 385 KR-800V

Project 2: Two PV Plants, 400 kWp each

2 Sunway™ TG 385 KR-800V

1 Sunway™ TG 385 KR-800V

Project 3: Three PV Plants, 100 kWp each

1 Sunway™ TG 145 KR-800V

1 Sunway™ TG 145 KR-800V

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**USP / Key Note**

- Total installed capacity in 2010: 3.4 MW



**Power:** **5,6 MW**

**Connection date:** **2010**

**Investor:** HFV Novenergia

**EPC:** Ansaldo Energia

**Inverters:** 5 steel Sunway™ Station 1020

## USPs / Key Notes

- Valued investors and EPC
- Realized in steel container, instead of cabinet (useful for transportation)
- Ansaldo belongs to the important Finmeccanica company and can be seen as key client



<b>Power:</b>	<b>2,3 MW</b>
<b>Connection date:</b>	<b>2009</b>
<b>EPC:</b>	General Building
<b>Modules:</b>	10.000 Aleo
<b>Inverters:</b>	12 Sunway™ TG230 600V TE

## USPs / Key Notes

- The solar power plant produce clean energy for about 2.5 to 3 million kWh / year, saving about 1,500 tons of CO2 to the atmosphere each year.
- Overall, the entire plant life cycle, the solar park will be able to save the atmosphere at least 30 000 tonnes of CO2.



# Cascina | Pisa - Italy



**Power:** **9,9 kWp**

**Connection date:** **2009**

**EPC:** Sunglobal

**Modules:** 45 Aleo S18 220 Wp

**Inverters:** 3 Sunway™ M Plus 3600



# Thermal Power Station | Sardegna - Italy



**Power:** **1,35 MW**

**Connection date:** 2009

**Customer:** E-on

**Modules:** Sunpower



# Zello | Bologna - Italy



**Power:** **2 MW**  
**Connection date:** **2009**  
**Customer:** CEIF  
**Modules:**  
**Inverters:** 2 Sunway™ Station



# Altomonte | Calabria - Italy



Power: **3,3 MW**

Connection date: 2008

Customer: Edison



# Los Cabezos | Andalusia - Spain



Power: **1,89 MW**  
Connection date: 2008  
Customer: Ecostream



# El Viso | Bogaris - Andalusia - Spain



Power: **1,89 MW**  
Connection date: 2008  
Customer: Ecostream



# Puebla de Almoradiel | Toledo, Spain



Power: **1,6 MW**  
Connection date: 2008  
Customer: Gestamp-Asetym



# Villanueva deAlcardete | Toledo - Spain



Power: **2 MW**  
Connection date: 2008  
Customer: Gestamp-Asetym



# Fuente Alamo | Murcia - Spain



**Power:** **26 MW**

**Connection date:** 2008

**Customer:** Gestamp - Asetym

**Inverters:** 160 Sunway™ TG 145 800V  
32 Sunway™ TG 385 800V



# Maials | Lleida - Spain



**Power:** **1 MW**

**Connection date:** **2008**

**Customer:** Comsa

**Inverters:** 11 Sunway™ TG 135 600V



# Calasparra | Murcia - Spain



<b>Power:</b>	<b>20 MW</b>
<b>Connection date:</b>	<b>2008</b>
<b>EPC:</b>	Gestamp Asety, (GA) Solar SA
<b>Customer:</b>	GA Solar (new Fotowatio)
<b>Modules:</b>	Trina Mainly, and also Jetion, Yingli and Suntech
<b>Inverters:</b>	80 Sunway™ TG 145 800V 40 Sunway™ TG 385 800V



# Tolentino | Macerata - Italy



**Power:** **7,3 MW**

**Connection date:** 2008

**EPC:** Sunpower

**Customer:** Api Nòva

**Modules:** Sunpower

**Inverters:** 4 Sunway™ TG 485 800V  
2 Sunway™ TG 610 800V



# Abanilla | Murcia - Spain



**Power:** **3,6 MW**

**Connection date:** 2007

**Customer:** Gestamp - Asetym

**Inverters:** 36 Sunway™ TG 145 800V



# San Fernando | Reggio Calabria - Italy



Power: **1 MW**  
Connection date: 2007  
EPC: Sorgenia



# Enna | Sicilia - Italy



Power: **1 MW**  
Connection date: 2007  
EPC: Sorgenia



# Villacidro I-II | Sardegna - Italy



Power: **2 MW**  
Connection date: 2007  
EPC: Sorgenia



# Benevento - Italy



Power: **1 MW**  
Connection date: 2007  
EPC: Sorgenia



Power: **1 MW**  
Connection date: **2005**  
EPC: Enel.SI



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