

Presentation
KC Cottrell Solar Business



Business Introduction

- **Leading Engineering Company in Power Industry Specialized in Air-Pollution Control System and Renewable Energies**
- **Founded in 1973**
- **Listed on Korea Stock Exchange in 1994**
- **Revenue in 2012; US 300 million \$**
- **Employee: 800 in Korea and overseas**
- **Selected among 33 “Hidden Champions” by Korea EXIM Bank, 2010**

**“Trusted and Reliable Customer Relationship
for 40 years
with Major Power Generation Companies in the World”**

- **Korea (South)**
 - **Korea Southern Power Co., Ltd.**
 - **Korea West Power Co., Ltd.**
 - **Korea Midland Power Co., Ltd.**
 - **Korea East West Power Co., Ltd.**
 - **POSCO (The largest steel manufacturer in Korea)**

- **Overseas**
 - **NTPC (Largest thermal power company in India)**
 - **Taiwan Power Company**
 - **And in other nations including Japan, Chile, Vietnam, Kazakhstan**

- **Leading Developer and EPC company in the Korean solar market**
- **Total installed capacity: 50MW (End of 2013 estimate) with various applications**
- **Pipeline projects: 45MW**
- **Revenue of solar power business in 2012; US 60 million \$**
- **Conducted pre Feasibility Study covering Cambodia and Afghanistan for the development of utility scale solar PV projects: Funded by Ministry of Trade, Industry and Energy, Korea**
- **Consortium leader for R&D project of the development of “Solar PV+ESS+Diesel” hybrid electrification system, funded by KETEP (Korea Institute of Energy Technology Evaluation and Planning)**
- **Major project partners in Korea: Renault Samsung Korea, General Motors Korea, KB Asset Management, Korea Southern Power Co., Korea East West Power Co., Kimhae Municipal Government, Ha-dong County**

Reference: Solar Power Plant

20MW Solar Power Plant, Renault Samsung Motors, Korea
Commissioned Dec. 26th, 2012







Awarded "Best Solar Project" by Ministry of Knowledge and Economy



- **Project owner:** Korea South-East Power Co.,
- **Project purpose:** To meet RPA (Renewable Portfolio Agreement) with government
- **Location:** Young-Heung, Incheon, Korea
- **Contract signed:** May 16, 2006 (KC as turn-key provider)
- **Date of completion:** Oct. 31, 2006
- **Site space:** 33,000 square meters
- **Project Size:** 1,010kWp
- **Solar modules:** 5,460 pcs of Sharp 185Wp
- **PCS:** SMA SC250 x 4 sets
- **Awarded the "Best Solar Project" in Korea by the Ministry of Knowledge and Economy, Nov 2008**

1st Solar Energy Partnership Project with Municipal Government



- **Project owner:** Korea Solar Holding Company
- **Project purpose:** Green electricity production
- **Project Site:** Water purification plant yard
- **Location:** Gimhae, Kyoung Sang Nam Do, Korea
- **Solar modules:** SCHOTT 185Wp
- **PCS:** SMA 250 x 6 Sets
- **Completion of project:** June, 2008
- **Project Size:** 1.54MWp
- **Highlight**
 - Renewable energy partnership project with municipal government
 - Installation of a park area with solar architectures and decorations



1st IPP Project of KC on a Closed Landfill Site

- **Project owner: KCSP**
- **Project purpose: Green Electricity Production**
- **Location: Hwaseong City, Kyunggi Province**
- **Land condition; closed landfill site**
- **Land space: 27,000 square meters**
- **Project size: 1.0MWp**
- **Solar Module: 5,760 pcs of STP 175Wp**
- **PCS: Conergy 250kW inverter x 4**
- **Estimated energy output: 1,300,000kWh/year**
- **Completion of project: Aug, 2007**



Solar RPA Project Constructed on Water-purification Facility, Seoul Metropolitan Government

- **Project size: 1.3MW**
- **Project owner: Korea Midland Power**
- **Project purpose: RPA Fulfillment**
- **Project Site: West-South Water Treatment Plant Yard in SEOUL**
- **Location: Gayang-Dong, Gangseo-Gu SEOUL**
- **Module: LG Electronics**
- **PCS: 5 x KACO 250kW + 100kW**
- **Completion of project: Dec. 2010**



Solar RPS Project at Water-purification Facility, Incheon Municipal Government

- **Project size: 1.0MW**
- **Project owner: Korea Southern Power**
- **Project purpose: RPS Fulfillment**
- **Project Site: Susan Water Purification Plant Yard in Incheon**
- **Location: Susan-Dong, Namdong-Gu, Incheon**
- **Module: Hyundai**
- **PCS: 4 x KACO 250kW**
- **Completion of project: Nov. 2011**



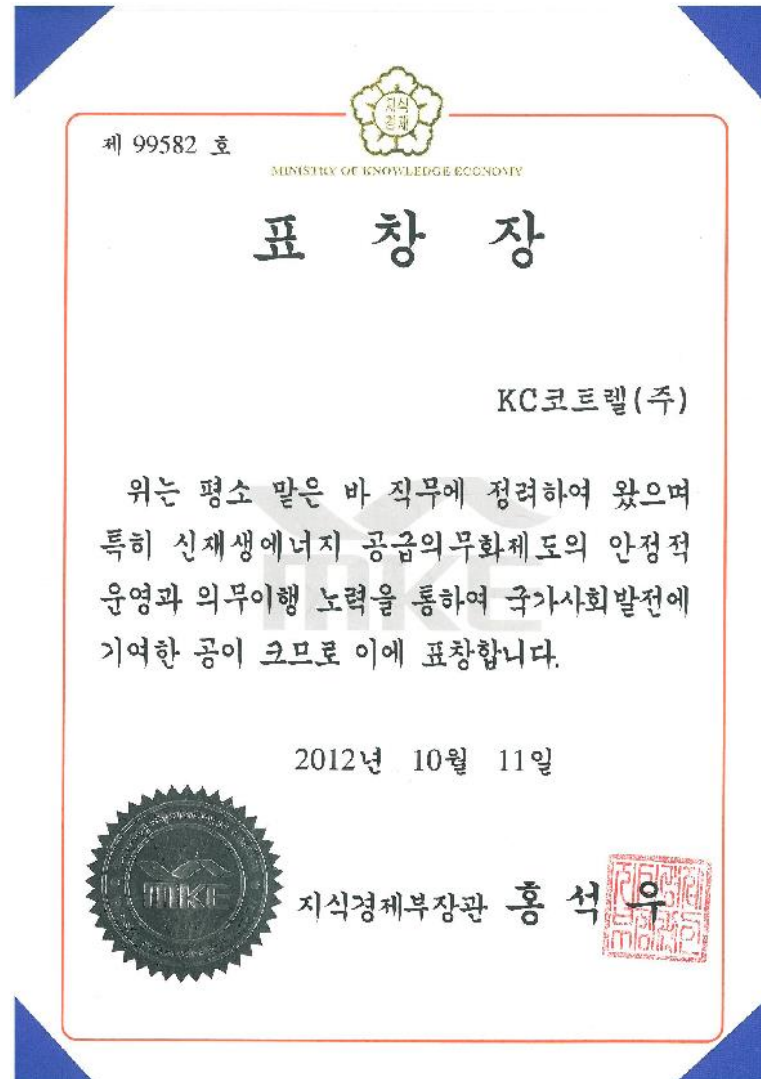
Solar Roof-top Project at 8 Logistics Buildings at Port of Guangyang: largest roof-top solar project in Korea : Awarded **"The Best Practice of Solar RPS in 2012"** by the Ministry of Knowledge and Economy, Oct 11, 2012

- **Project size: 2.3MW**
- **Project owner: Korea East-West Power**
- **Project purpose: RPS Fulfillment**
- **Project Site: Guangyang CFS rooftop**
- **Location: Guangyang City, Jeonnam**
- **Module: Unisolar, LG Electronics**
- **PCS: KACO**
- **Completion of project: Dec. 2011**





Awarded by the City of Seoul, June 5th, 2012



Awarded by Ministry of Knowledge and Economy, Oct 11th, 2012

Solar system donated to a
CDEPS Training Center,
Senegal

4kWp solar power system with
battery



Solar system donated to a
Bedouin village, Jordan

10 sets of 200Wp solar
power system with battery



Thank You !



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