



S-ENERGY

New Story Creator

Let us thrive the green future,
from the leading PV module manufacturer
to the top global renewable energy company.
New story creator, S-ENERGY is one of the key contributors
in shaping the future of the solar energy industry.

HISTORY

- 1992** 05 Samsung electronics engaged in solar business
- 1994** 09 Started to manufacture PV modules
- 2001** 01 Established S-ENERGY
07 Established Energy Solution Research Center
- 2002** 10 ISO 9001 Certification
- 2005** 07 Credibility rating of AAA from Korea ratings
- 2006** 04 Technical tie-up with EAGON Window & Door System for BIPV System
09 Completed first MW PV power plant in Korea
- 2007** 06 TUV Safety Class II
07 Completed Mu-an photovoltaic power plant (1MW)
10 IPO. Listed KOSDAQ
- 2008** 02 ASU-PTL Certification of IEC61215
03 Started to export the modules (Germany)
04 Expanded 20MW module manufacturing line
07 Completed 1.3MW Bu-an power plant
09 TUV Certification IEC 61215&61730
Completed 3MW Jin-do power plant of Samsung C&T
- 2009** 02 Quality assurance certification for glass to glass module from Korea Institute of Construction
03 Completed 2nd Factory
04 KEMCO certification for glass to glass module
12 INNO-FAST 2009 (Jungang Newspaper & Deloitte Consulting)
- 2010** 01 Certification UL 1703
02 Expanded 100MW capacity
Ranked No.3 in Photon's monthly yield measurement test
05 Kotra Seal of Excellence - Green
06 Green Technology Certificate (G2G)
07 Hidden Champion Award by Korea EXIM Bank
12 Marked USD 200M export
- 2011** 03 Set up branches in Germany and the U.S.
Kotra world champ
05 KRX Pre-hidden Champion
06 Expanded 100MW module manufacturing line
KoFC Frontier Champ
10 Green Company Certification
- 2012** 05 OHSAS 18001 Certification
ISO 14001 Certification
09 Completed Elk Grove PV plant in the U.S. (4.8MW)
10 Completed Kuala Perils Project in Malaysia (6MW)
- 2013** 04 JET Certification

Factory

1st Factory

BIPV / Stand-alone manufacturing line
Total production capacity : 140MW/year

2nd Factory

Standard module manufacturing line
Total production capacity : 340MW/year



Business Sectors

As the first company in PV industry in Korea, S-Energy has always been marking its name in every milestone of Korean PV history. Since 1992, we have been manufacturing PV modules and providing system integration service to our customers, and now we are proud to boast our worldwide recognition based on unbeatable quality standards and reliability.

PV Module Manufacturing

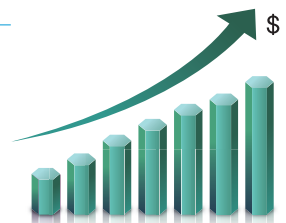
- Standard module
- BIPV module



Project Development



SEIB



O&M

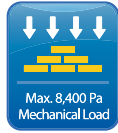


Standard Module

S-ENERGY's PV module is designed to survive in any environment and deliver the most power output to you. You will not waste a penny from the sun light and will be able to build your own power plant regardless of location or climate.



Positive tolerance
0~+5W positive power sorting



Mechanical load
Max. 8,400 Pa
8,400 Pa (857kg/m²)



Hail impact test
30.7m/s speed ball



Ammonia corrosion resistance test



Salt mist corrosion test



Anti-PID test

BIPV = Building materials + Power production

BIPV not only produces the electricity but also is utilized as a construction material. Therefore, it brings up a building to be valuable and can also reduce the construction cost.

2007 Jeonnam University



2008 Jeonnam Office of Education



2013 The Federation of Korean Industries' building



2008 Presidential Office

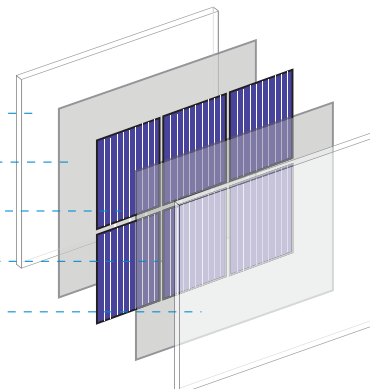


2008 Jeju Welcome Center



Glass to Glass Module Layers

- Clear Glass (Any Kind of Glass)
- Clear EVA Film / PVB Film
- Solar Cell
- Clear EVA Film / PVB Film
- Low Iron Tempered Glass (Clear)



MW Power plant projects

Project Name	Country	Capacity	Year
Donghae Power Plant	Korea	1.0 MW	2006
Muan Solartopia	Korea	1.0 MW	2007
Jangsu DongHwa PV Power Plant	Korea	1.0 MW	2007
Buan IUSNB	Korea	1.3 MW	2008
Kimcheon PV Power Plant	Korea	2.5 MW	2008
Jindo Samsung Solluce	Korea	3.0 MW	2008
Imsil PV Power Plant	Korea	1.0 MW	2009
Tomsan Project	Czech Republic	0.9 MW	2010
Alps Project (Alps Winter Olympic Park)	Germany	1.0 MW	2010
Efico Project, Zeebrugge	Belgium	1.0 MW	2010
T.E. Project	Czech Republic	10.0 MW	2011
Juseong University	Korea	1.5 MW	2012
Elk Grove Project	USA	4.8 MW	2012
Kuala Perils Project	Malaysia	6.0 MW	2012
Minami Awaji Project	Japan	10.7 MW	2013 <small>On-going PJT</small>
Kyushu Project 1	Japan	2.0 MW	2013 <small>On-going PJT</small>



2006
Dong-hae PV Power Plant



2007
Muan Solartopia



2008
Jin-do power plant of Samsung C&T "SolLuce"



2009
Schlüterhall Project (Germany)



2010
EFICO Project (Belgium)



2010
Tomsan Project (Czech)



2011
T.E. Project (Czech Republic)

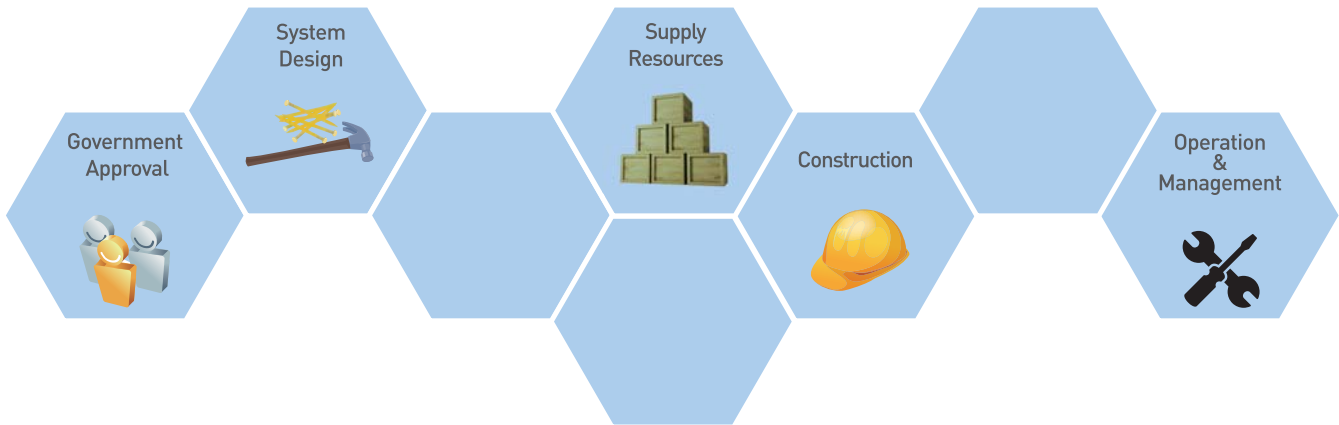


2012
Elk Grove (USA)

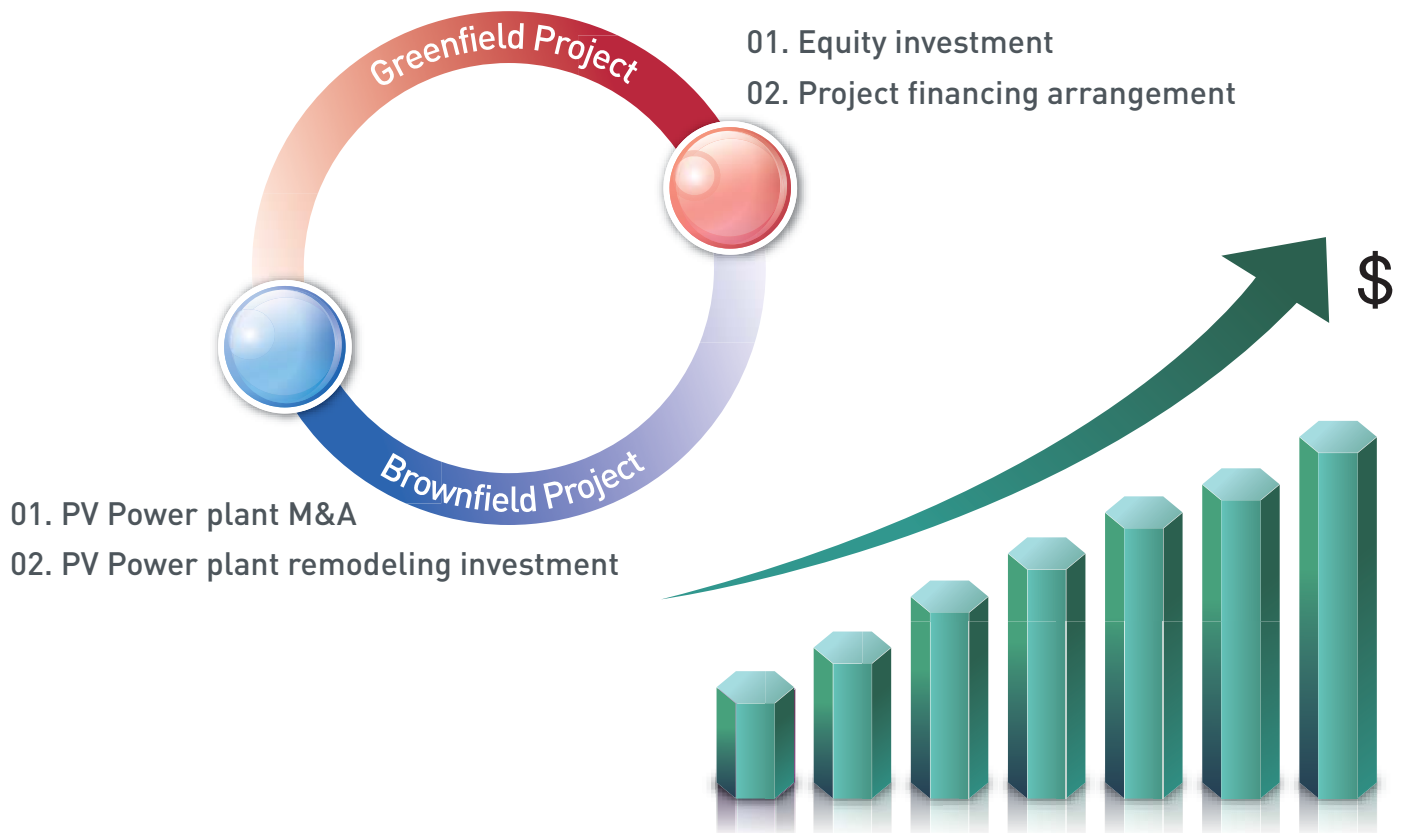


Project Development

S-ENERGY can provide turn key project development from land acquisition to O&M. Our financial and legal experts are ready to help you to get the best result from your project.



SEIB Investment experts subsidiary company of S-ENERGY



O&M Operation and Maintenance

From multiple experiences, our O&M service will provide excellent performance to our customers . All of our technology and experiences are melted into our O&M service and It will make you satisfied.

Monitoring	Check	Maintenance
Minimizing System Loss	Regular inspection to minimize problems	Pre-action made for better performance
<ul style="list-style-type: none"> • Collect / Analyze data • Trouble forecast • Regular report • Investment analysis 	<ul style="list-style-type: none"> • Check list • Inspection reports • Part replacements 	<ul style="list-style-type: none"> • Prompt / Pre-action • Managerial experts • Professional care

S-ENERGY PERFORMANCE MANAGEMENT CENTER (SPMC)

By collecting and analyzing performance data from the sites, SPMC provides advanced service to our customers.

01. System Analysis

Provide data and reports

02. System O&M

Remote site management is available

03. PV power plant manager

Prompt action 24/7, site manager stationed (if >1MW)



S-ENERGY PERFORMANCE MANAGEMENT CENTER



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