

Business Proposal

SHINHWA STEEL

Table of Contents

- I. Proposal
- II. About Us
- III. What We Make – Product Catalog
- IV. How We Make – Production Facilities
- V. Past Records and Cases



I. About Us

- Founded in April, 2015, Shinhwa Steel Co., Ltd. is doing its best following our motto – “*Creating legacy (which means ‘Shinhwa’ in Korean) together with customers.*”
- Located in the Free Trade Zone in Gimje City, South Korea
- We specialize in manufacturing, processing materials for solar PV structures with the latest facilities. We have the largest specifications of roll forming equipment in Korea and manufacture various types of product such as tubes, C-shaped steel, beam truss, angle, etc for purlin, post, column, and bracing.
- We have abundant experience and human resources for solar PV projects such as licensing power generation projects, permission for development activities, installation, and manufacturing processing.

I. About Us

- We have 3 subsidiary companies, with 50,000 square meters of factory land in total

K-Steel



ENB Solution



Sangbo



I. About Us

- Business Vision
 - “Succeeding with our customers”
- Business Principle
 - Quality
 - System
 - Speed
- Core Competency
 - No. 1 Quality
 - Price Competitiveness
- From purchasing to fabricating, operating, packing, and delivery, we dedicate our best efforts to meet all the needs of our customers

II. Product Catalog

◆ Structures

Post & Truss



II. Product Catalog

◆ Structures

Purlin



Bracing



II. Product Catalog

◆ Base Plate

Bolt Fasten



Column Rod Welding



Screw Pile



II. Product Catalog

Outdoor Fixed



- Structures that have fixed azimuth angle and tilt array
- Most stable structure

Outdoor Fixed Variable



- High power generation efficiency as the tilt angle of the solar module can be adjusted to 0 to 45 degrees

II. Product Catalog

Roof Type



- Utilizing idle space of buildings, both environmental and economical

Car Port



- Solar PV installed in parking lot
- Modern design and no restrictions on installation areas

II. Product Catalog

Floating solar PV



- Can be obtained without harming nature around reservoirs and dam areas
- Mitigates algae boom blocking UV rays toward the water surface
- 10% more power generation than conventional PVs on land.

III. Equipment & Facilities

Facility	Quantity
Tube Mill Line	1 set (max 190mm / 120m)
Squared Structural Tube Line	2 (150*100, 100*100)
Roll-forming C-shaped Steel Line	2 (100*50, 75*45)
Raser 400KW	2
Band-saw	2
Roll-forming Panel Line	1
Compressor	3 (50 hp)
Arc Welding	5
Plasma Cutter	3
CO2 Welding	10
HOIST	7 (5 ton)

III. Equipment & Facilities

❖ Tube Mill Line



❖ Roll Forming Line



III. Equipment & Facilities

- ✓ Production Capacity

- * 200TON / DAY (including helical pile)

- * 5,000TON / MONTH → 60MW / MONTH

- * 60,000TON / YEAR → 700MW / YEAR

- ✓ Capacity expected to reach 120,000tons/year in April, 2022 after factory expansion, and to 200,000tons/year (2300MW) in 2023

- ✓ In the near future, we plan to set machines of all automatic control, and build new factories at the EV cluster of Saemangeum Industrial Complex.

IV. Records and Cases

Date	Project (Location)	Power
2018.02	Kyeongbuk Uiseong	2.8MW
2018.03	Iksan Dongyeon	1.7MW
2018.07	Imsil	6.0MW
2018.08	Jeongeup Usan	2.2MW
2018.09	Buyo imchun	3.0MW
2018.10	Okcheon	1.8MW
2018.11	Jipyongseon Sandan Factory (Roof)	2.0MW
2019.03	Iksan Hwabae	2.0MW
2019.03	Kyeonggi (House)	1.0MW
2019.03	Samcheok Public Parking Lot	0.2MW
2019.03	Goheung Bongsan	1.6MW
2019.03	Japo-ri	1.2MW
2019.04	Seopo-ri	0.8MW



IV. Records and Cases

Date	Project (Location)	Power
2019.04	Keumkang	1.4MW
2019.04	Iksan Guja	3.2MW
2019.04	Iksan Sinsung	1.3MW
2019.04	Buyeo Saedo	1.4MW
2019.05	Gimje Jipyongseon Factory (Roof)	0.6MW
2019.05	Buyeo Baekjae C.C Parking Lot	1.0MW
2019.05	Iksan Seokcheon	1.5MW
2019.05	Iksan Jukchon	2.7MW
2019.06	Ansung Kyeongbu Highway	1.0MW
2019.06	Wanju Highway	1.4MW
2019.06	Yeongduk Highway	1.7MW
2019.07	Gimje Heungsadong	2.4MW
2019.07	Jeongeup Gamgok	850KW



IV. Records and Cases

Date	Project (Location)	Power
2020.01	Jeongeup	1.0MW
2020.02	Gimje Sangdong	0.3MW
2020.05	Gimje Jangshin	0.4MW
2020.05	Iksan Chunpo	0.9MW
2020.06	Gimje Backsan	350MW
2020.07	Iksan Seohae	1.0MW
2020.07	Jeju Samdal	1.0MW
2020.08	Gunsan	0.4MW
2020.08	Buyu	0.9MW
2020.09	Imsil Shinpyung	0.5MW
2020.09	Gimje Jojong	2.0MW
2020.10	Sunchang Palduk	0.5KW
~2021.05	Saemangeum PJT #3	100MW



Thank You

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