



SOLAR FIELD SOLUTION PROVIDER



INCA International Group



OVERVIEW

- Our company combines its inhouse electrical and civil engineering skills, its ability to supply high quality electrical equipment and its capability of manufacturing and installing supporting structures for PV power plants to develop and deliver custom made design for each project.
- Infrastructural works like fencing etc. can also be included in the scope of the project.
- The company employs over 250 people and is spread across 18,000 square meters of open space and 8,000 square meters of indoor production facilities.

OPERATIONAL CAPACITY

- Manufacturing the supporting structure - 30 MW / month
- Installation (Ramming) capacity – 11 machines – 80000 piles / month
- Assembling of the Supporting structure – 30 MW / month
- Mounting of the PV panels - 30 MW/ month

DEVELOPMENT

- Preliminary design of the PV field including:
 - Energy Yield Assessments
 - Soil Survey
 - Pull out Tests
- C&P of electrical equipment agreeing to local requirements and standards
- Permitting and the support to the client's permitting requirements
- Commissioning, testing and handover



GUARANTEE AND CERTIFICATES

- 20 /twenty/ years for the steel construction;
- Supporting structure is hot deep galvanized according EN 14 61 standard
- Supporting structure is designed according to EuroCode 3
- Supporting structure has CE marking
- Manufacturing of the Supporting structure is done according to EN 1090 Standard

This certificate is issued to certify the EA system for quality management. INCA International Group has been approved by Lloyd's Register Quality Assurance according to the following standards for systems for quality management.

- ISO 9001:2000
- EN ISO 9001:2000
- BS EN ISO 9001:2000



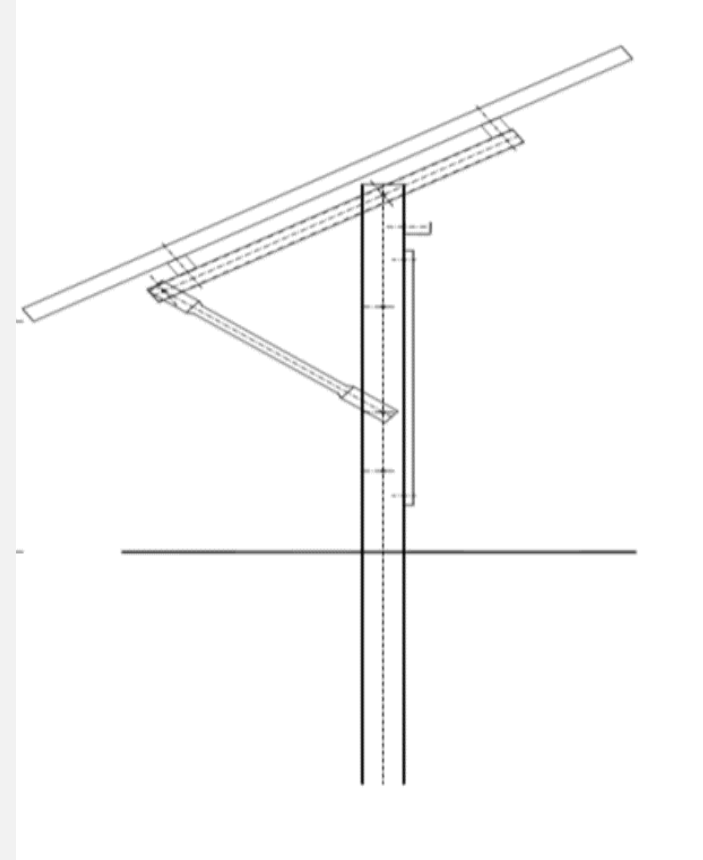




SUPPORTING STRUCTURE I

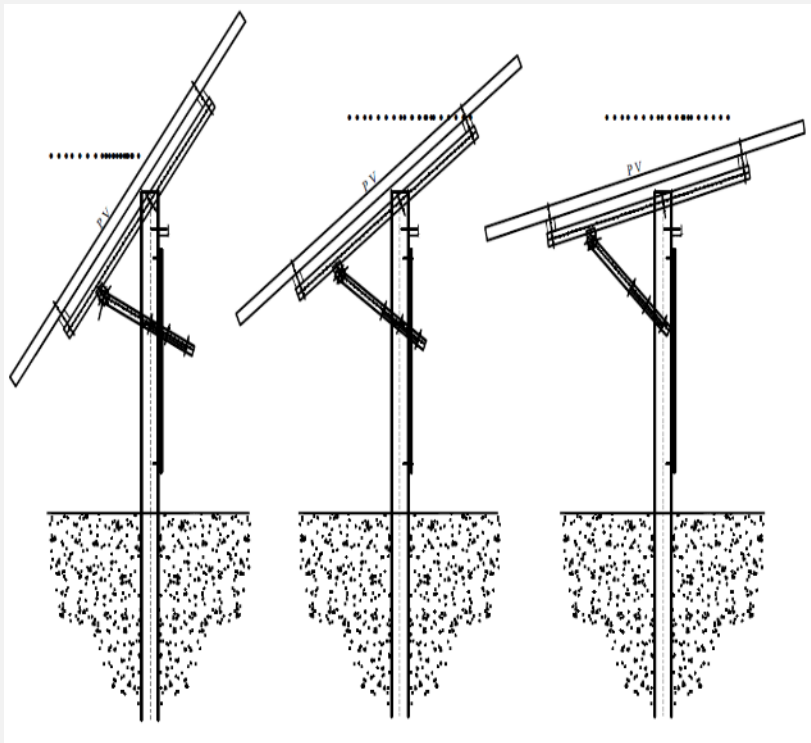
Single Line supporting structure with ability to change the angle:

- Three positions accord. to the season- manual tracking system
- Estimated 5% increase in the production
- Options: in conjunctions to clients requirements the supporting structure can be fixed.



SUPPORTING STRUCTURE 2

Single line supporting structure with the ability to change the angle



SUPPORTING STRUCTURE 3

Double line panel construction for PV plants – portrait orientation

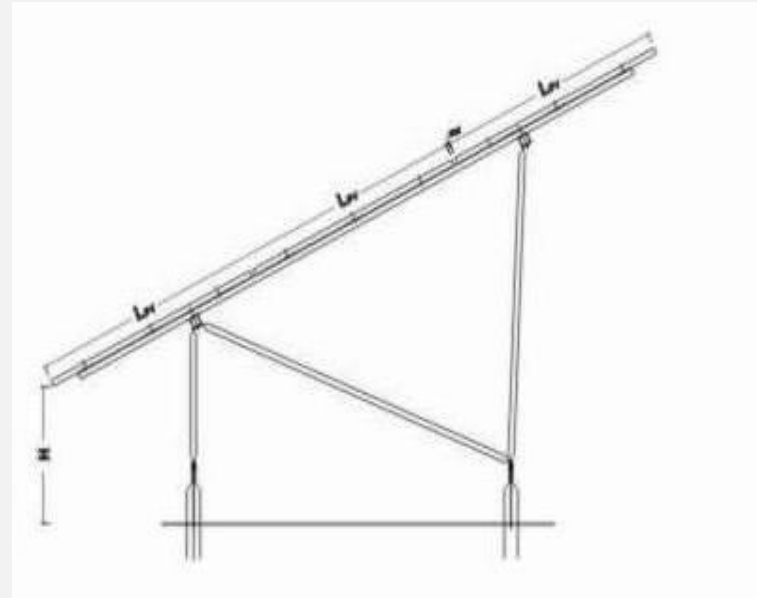
- Static at 15° to 35° angle to the horizontal axis – accord. customers' requirements



SUPPORTING STRUCTURE 4

Triple line panel construction for PV plants – portrait orientation

- Static at 22° to 32° angle to the horizontal axis – accord. customers' requirements
- Option: landscape orientation of the PV panels



SUPPORTING STRUCTURE 5

Double-triple line panel construction for flat roofs PV plants

- Static at 22° to 32° angle to the horizontal axis – accord. to customers' requirements
- Maximum snow loading
- Maximum wing loading
- Initial Hydro isolation of the roof is preserved during assembling



General Modular Plan – 2 rows Portrait x 7 pcs



BUILDING ACTIVITIES

Supporting Structure Installation



BUILDING ACTIVITIES



COMPLETED PROJECTS

Project	Installed Capacity (MW)
Borssele, The Netherlands	32
Dobrich, Bulgaria	24
Bournemouth, UK	8,5
Lovech, Bulgaria	4,4
Fundulea, Romania	7,5
Wolvega, The Netherlands	4,5
Noordwolde, The Netherlands	4,8

Overall installed capacity more than 400 MW in Bulgaria, Greece, Macedonia, Romania, Austria, UK, Germany. Recently – The Netherlands, Kazakhstan and Poland

CONTACT

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