



PHOTOVOLTAIC FIXED STRUCTURE: SINGLE-POST AND DOUBLE-POST

OUR SOLUTION



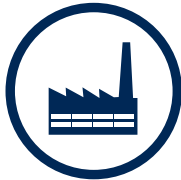
WE ADAPT TO CUSTOMER NEEDS



LAND ADAPTABILITY



WE PRODUCE AND INSTALL SINCE 2006

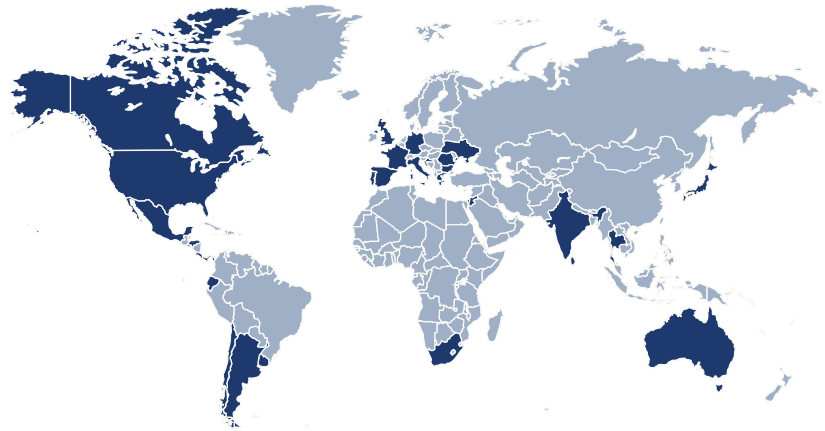


OWN PRODUCTION CENTER



WIND TUNNEL TEST

+ 2,2 GW developed projects



Nclave calculates, design and manufactures fixed - tilt racking solutions according to customers specifications and standards that apply in each country.

Nclave uses the most advanced engineering design programs approved by aerospace industry quality standards. Regarding our manufacturing, Nclave stands out for:

- High-volume manufacturing facility in Spain with highly qualified and experienced staff .
- Several product centers spread around the world.
- High CNC machinery.
- Integrated Quality Management System - ISO 9001:2008.
- Environmental Management System - ISO 14001.

Nclave has a great reputation for being focused on their customers and stands out tailored made solutions to fulfill the most complicated project requirements.

The main characteristics that define Nclave fixed structures:

- 1 Adaptable to complex and difficult terrain.
- 2 Flexible configuration of photovoltaic modules (optimum use of the available surface).
- 3 Reduced weight: tailor-made profiles (galvanized steel or aluminum) in accordance with project requirements.
- 4 Analysis of topographical contours.
- 5 Foundation design services.
- 6 Delivery of the entire structure, including assembly parts.
- 7 Excellent delivery time frames.
- 8 Advantages in relation to assembly: quick and simple assembly, no need for welding.



Single-post fixed structure



Double-post fixed structure

TECHNICAL SPECIFICATIONS

GENERAL CHARACTERISTICS

Solar fixed structure	Single-post / Double-post
Module orientation	Landscape / Portrait
Modules surface per fixed structure	Custom configuration is available
Foundation options (solution according to geotechnical report)	Direct ramming / Pre-drilling + ramming / Concrete micro-piling/ Screw-pile / Pre - drilling + compacting + ramming
Terrain adaptation	Up to 20% grade**
Structure	HDG high strength steel S275, S355, Magnelis® and galvanized G-90.
Hardware / Treatment	8.8 grade / ZnNi + seal*
Solar panels fixation	Aluminum Direct fixing of the panel to the beam (by rivet or standard bolts)
Compatible solar panels	Frame, frameless or glass glass 60 or 72 cells
Allowable wind and snow loads	Tailored to site requirements
Standards & regulation	Structural calculation according to EN 1993-1-1 y AISI S-100
Installation	Easy installation. All joints bolted (no welding required)

MAINTENANCE

Schedule maintenance	Minimum maintenance (check hardware torque and galvanized coating)
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STANDARD WARRANTY (*)

Structure	10 years
Corrosion protection	20 years according to ISO 14713 C3

* Other options also available

** According to conditions

SPAIN

Avda. de Burgos 114, 2º
28050, MADRID
Tel: 91 277 1126
info@nclavegroup.com

Pol. Ind. La Peña
Ctra. NA 134-KM 93
31230-VIANA (NAVARRA)
Tel: 948-645-121
comercial@nclavegroup.com

USA (CA)

Tel: +1 916-281-6711
mmcintyre@nclavegroup.com

USA (FL)

Tel: +1 305-748-0300
cclavijo@nclavegroup.com

CHILE

Tel: +61 403-994-655
sfernandez@nclavegroup.com

FRANCE

Tel: +56 973-371-732
jplendroit@nclavegroup.com

JAPAN

Tel: +81 355-448-866
aestelles@nclavegroup.com

BRASIL

Tel: +55 149-983-84646
tsampedro@nclavegroup.com

AUSTRALIA

Tel: +61 403-994-655
lforbarina@nclavegroup.com



More than
+ 2,2 GW
installed
worldwide

