

**ASTURMADI RENEERGY designs, calculates and manufactures solar photovoltaic structures to install on the roof of private housing or department stores.**

**This kind of application provides economical profitability from an existing space generating electric energy to be autoconsumed.**

### EXPERIENCE



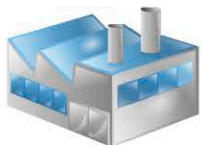
- ✓ ASTURMADI RENEERGY technical team has more than 10 years of experience in the photovoltaic sector and more than 1,2 GW of projects executed.
- ✓ Participation in projects in more than 20 countries.

### DESIGN



- ✓ Design and calculation of the structure to achieve the requirements imposed by the clients and current regulation from each country.
- ✓ Structural solutions are designed in an innovative way with a high aesthetic value.

### MANUFACTURING



- ✓ Own manufacturing cold formed profiles according to UNE-EN 10162. Different steel qualities are selected to cover project needs.
- ✓ Coating treatments are applied to guarantee the structure durability (Hot Dip Galvanized, Posmac, Magnelis, Magicinc or similar).

### ASSEMBLY



- ✓ Easy assembly process. No cutting or welding is necessary in construction.
- ✓ Versatile structure, applicable to private housing and department stores (shopping center, studios, hospitals, airports...)

### QUALITY



- ✓ Metal structure manufactured according to UNE-EN 1090.
- ✓ Hot Dip Galvanized structure and / or ZM coating treatment (Zinc-Magnesium) according to UNE-EN ISO 1461 and UNE-EN 10346 respectively.

### WARRANTY



- ✓ 10 years structure warranty (expandable).
- ✓ Coating warranty is dependant from the environment where the structure is installed according to UNE-EN ISO 14713 (\*).

#### SPAIN

Travesía de la Industria Nº51  
Polígono de las Arobas  
33401 Avilés, Asturias  
Tel. +34 985 525 755  
Fax +34 985 525 130

#### MEXICO

Norte 45 No. 686  
Industrial Vallejo, Azcapotzalco  
México, D.F. CP 02300  
Tel. 01(55) 67 28 00 87

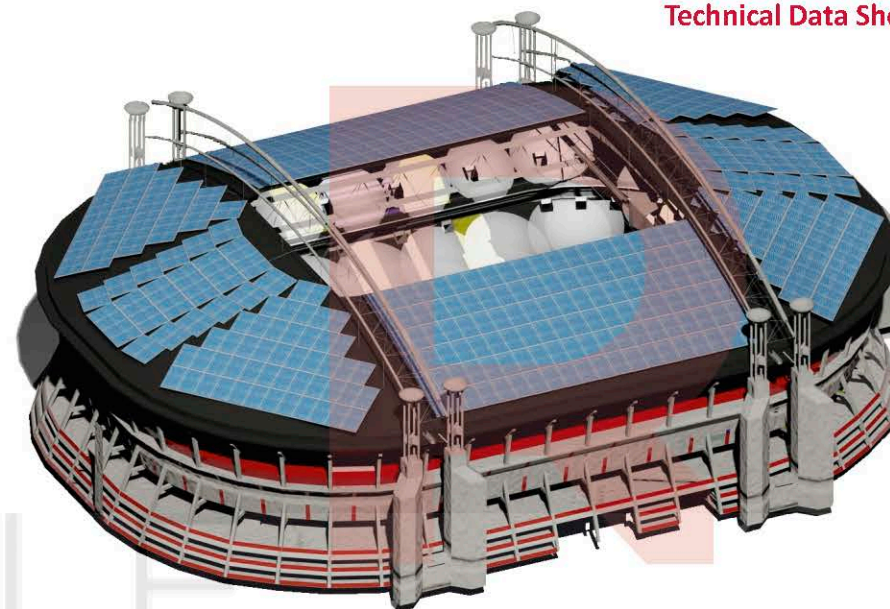
 [www.asturmadienergy.com](http://www.asturmadienergy.com)

 [info@asturmadienergy.com](mailto:info@asturmadienergy.com)

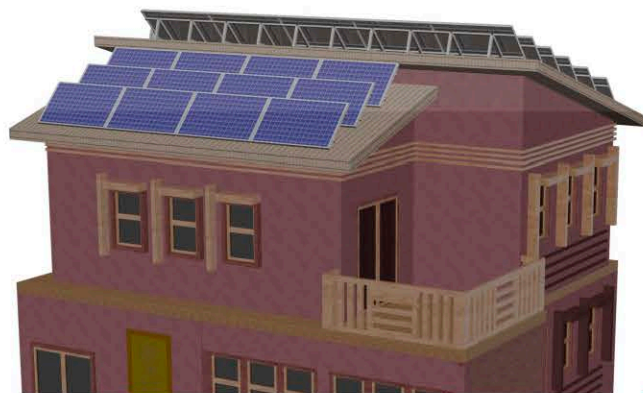
 +34 985 525 755

### GENERAL CHARACTERISTICS

<b>Modular Structure</b>	Different structure typologies to install on the roofs.
<b>Panels</b>	Modules of 60 or 72 cells
<b>Material</b>	Cold formed and Hot rolled steel with a yield strength greater or equal to 275 N/mm <sup>2</sup>
<b>Finishing Treatment (*)</b>	Hot Dip Galvanized according to UNE-EN ISO 1461 or ZM (Zinc-Magnesium) according to UNE-EN 10346
<b>Lacquered</b>	All structures can be lacquered according to client specifications.
<b>Maximum Wind</b>	Tailored to local Codes or specific client conditions



- Solar photovoltaic structure to be installed on the roof.
- Different typologies of structures are designed, maintaining and ensuring the client needs and requirements.
- This photovoltaic installation provides economical profitability due to the use of an existing space to generate electricity.
- All designs ensures easy assembly process..



(*) Standard Coating Warranty		
	Enviroment	Warranty
C2	Exposed rural inland	50 yeras
C3	Urban inland or mild coastal	25 yeras
C4	Industrial inland or urban coastal	10 yeras
C5	Industrial with high humidity or high salinity coastal	5 yeras

Service life is guaranteed maintaining enviromental conditions without changes.

#### SPAIN

Travesía de la Industria Nº51  
Polígono de las Arobas  
33401 Avilés, Asturias  
Tel. +34 985 525 755  
Fax +34 985 525 130

#### MEXICO

Norte 45 No. 686  
Industrial Vallejo, Azcapotzalco  
México, D.F. CP 02300  
Tel. 01(55) 67 28 00 87

[www.asturmadienergy.com](http://www.asturmadienergy.com)  
 [info@asturmadienergy.com](mailto:info@asturmadienergy.com)  
 +34 985 525 755