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Innovation, competitiveness, guarantee and efficiency



Fixed structures Tracker **Floating system Solar hangars** Rooftop **Solar carpots Vehicles electric recharging carpots**



MISSION

- Provide our clients with optimal structural solutions through highly developed design and engineering phases.
- Respond to the manufacturing and installation requisites of each client in the areas of organization and quality.
- Guarantee excellence and suitability of the final product.

VISION

Stansol Energy is oriented to its consolidation in the photovoltaic sector as a national and international reference due to the quality and safety of our structures, meeting deadlines and giving client satisfaction.

But not only this, at Stansol Energy we wish to go further with the implementation of ambitious design and project management solutions that strengthen the definitive integration of photovoltaic energy in the global energy market.

VALUES

- Engineering oriented towards the integration of ideal solutions from the structural point of view, as well as manufacturing and assembly processes.
- Certification of a product always with maximum quality.
- Priority attention to the needs and satisfaction of our clients.
- Elevated experience in the metallic construction sector in international markets.
- Development of innovative solutions hand in hand with high technology systems.
- Permanent collaboration with the client to guarantee the achievement of totally personalized installations.
- Contribution to the project through values underpinned by efficiency and stability.
- Responsibility towards society and towards the environment.



DESIGN, SUPPLY AND INSTALL SUPPOR STRUCTURES IN PHOTOVOLTAIC PLANTS

Because we believe in engineering as a solution for pressing problems in our environment and in clean energy as the motor for the future, at Stansol Energy we are committed to both concepts as a safe value for the development of ideal solutions in the manufacture and assembly of structures for photovoltaic projects.

With over two decades of experience in the metallic construction and renewable energy sectors, our human team is ready to tackle the impulse and personalized management of responses for any need, however precise and complex it may be.

In order to do so, we adopt singular approaches, avoiding standardized formulas that optimizing resources and facilitating the maximum use of solar installations, both on the ground and on rooftops.

TWO FUNDAMENTAL OBJECTIVES

Provide a product and service with high added value in design manufacturing and assembly where innovation in design and materials and flexibility go hand to hand.

Become a reliable partner for those with whom we approach the execution of projects even in the preliminary phase.

OUR GOAL

Achieve the most suitable and satisfactory solution for all customers through the design, supply, installation and guarantee of support structures in photovoltaic plants

WE GUARANTEE THE ACHIVEMENT OF OPTIMAL AND COMPLETELY PERSONALIZED INSTALLATIONS



STANSOL ENERGY

ENGINNERING (CALCULUS, STRUCTURAL ANALISIS AND 3D DESIGN)

At Stansol Energy we study each and every one of the projects individually, avoiding standardized solutions that in the long term only increase the total cost of the supply due to the higher quantity of materials compared with those really required.

- We establish the calculus from the boundary conditions set out by the client, as well as the regulations of the reference country.
- We tackle the development of the structural analysis through the use of latest generation software that enables not only the most suitable integration of different materials in the structure (steel, aluminium...), but also their optimization as we foresee all kinds of differential difficulties. This aspect is of vital importance, as in the design phase it makes possible the integration of the uncommon, but ideal, materials in the sector, in order to eliminate the risks of corrosion for those specially conditioned components.
- We integrate the resulting elements of the phases prior to the calculation and structural analysis in 3D design models that make it possible to visualize the geometric compatibility of the structural elements and of those that also take part in the project and whose integration in the structure is fundamental.

For Stansol Energy it is precisely this stage in the development of the engineering project that offers a greater added value for the client, as it is fundamental for the construction phase and offers a greater organizational capacity during the onsite installation of a structure.

Without doubt, this is one of differentiating great elements. The commitment that Stansol Energy acquires with the client is based on principles of strong responsibility that are offered by all our initiatives, stability in time and trust with the client and the other agents and organizations involved (suppliers, workers, etc.).



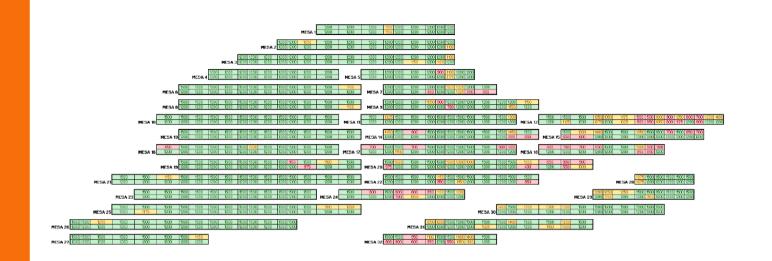
PROJECT MANAGEMENT

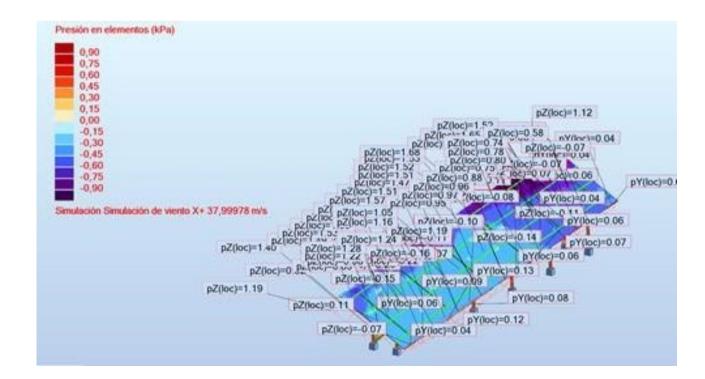
At Stansol Energy we are committed to the Project Management as a sign of identity when we provide our experience and knowledge in highly complex metallic construction projects, as shown at the end of this document.

In accordance with this principle, we collaborate with the clients not only from the point of view of the design, supply and installation of totally personalized metallic support structures, but also from a close collaboration that has to do with the most ideal organization for all the participants in the project.

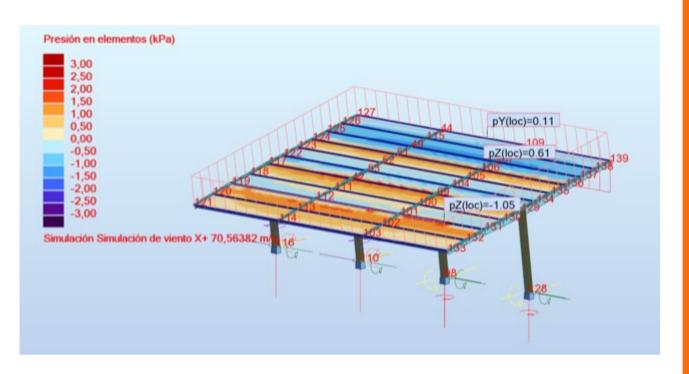
Our intention is none other than to contribute to the leadership and development of the work commissioned by the client and to become a fundamental partner within your organization.

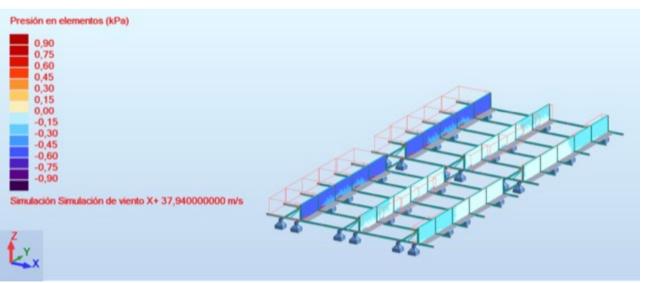










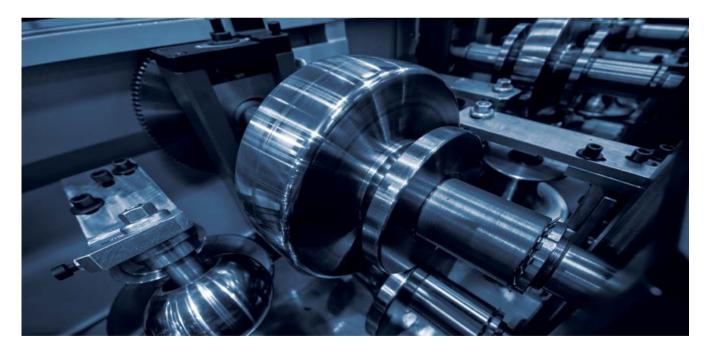


The production department at Stansol Energy is responsible for the manufacture (through production control), traceability of materials and finished product quality of each of the different components of the structure according to the standard criteria of UNE EN 1090 for the execution of steel and aluminium supports.

In order to guarantee this excellence at the quality and safety level, Stansol Energy collaborates with loyal workshops whose manufacturing processes are within the parameters of the above European regulations.

In addition, our human team holds a tight control over the manufacturing process of the elements that make up the structure.

These processes are monitored and checked individually in order to give the suitable quality to the product supplied.





We have a qualified human team to manage and monitor projects in any location, regardless of the country where they may be.

We give priority, in this phase, to the supervision of the teams of loyal installers, as well as the logistics of the supplies and quality of the work carried out. However, we can carry out a wide range of interventions in situ, guaranteeing for our clients a comprehensive service in the assembly and stage installation of structures.

• Prior stakeout and topographic monitoring when carrying out the assembly

• Installation of structures

• Installation of solar modules

• Quality control and provision of the Structural Quality Guarantee

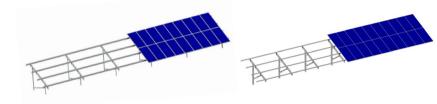
• Maintenance of the installation



PHOTOVOLTAIC GENERATION SYSTEMS

FIXED STRUCTURES

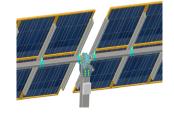
Bipole Monopole



TRACKER TO ONE AXIS

3 H 2 V

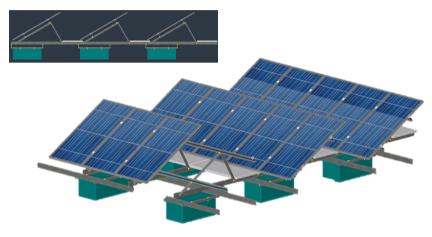






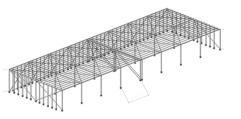
SOLAR FLOATING SYSTEM

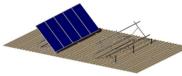


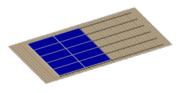


SOLAR HANGARS











PHOTOVOLTAIC INTEGRATION SYSTEMS

BIG SURFACE SOLAR CARPORTS











ELECTRIC VEHICLE RECHARCHING SOLAR CARPOTS



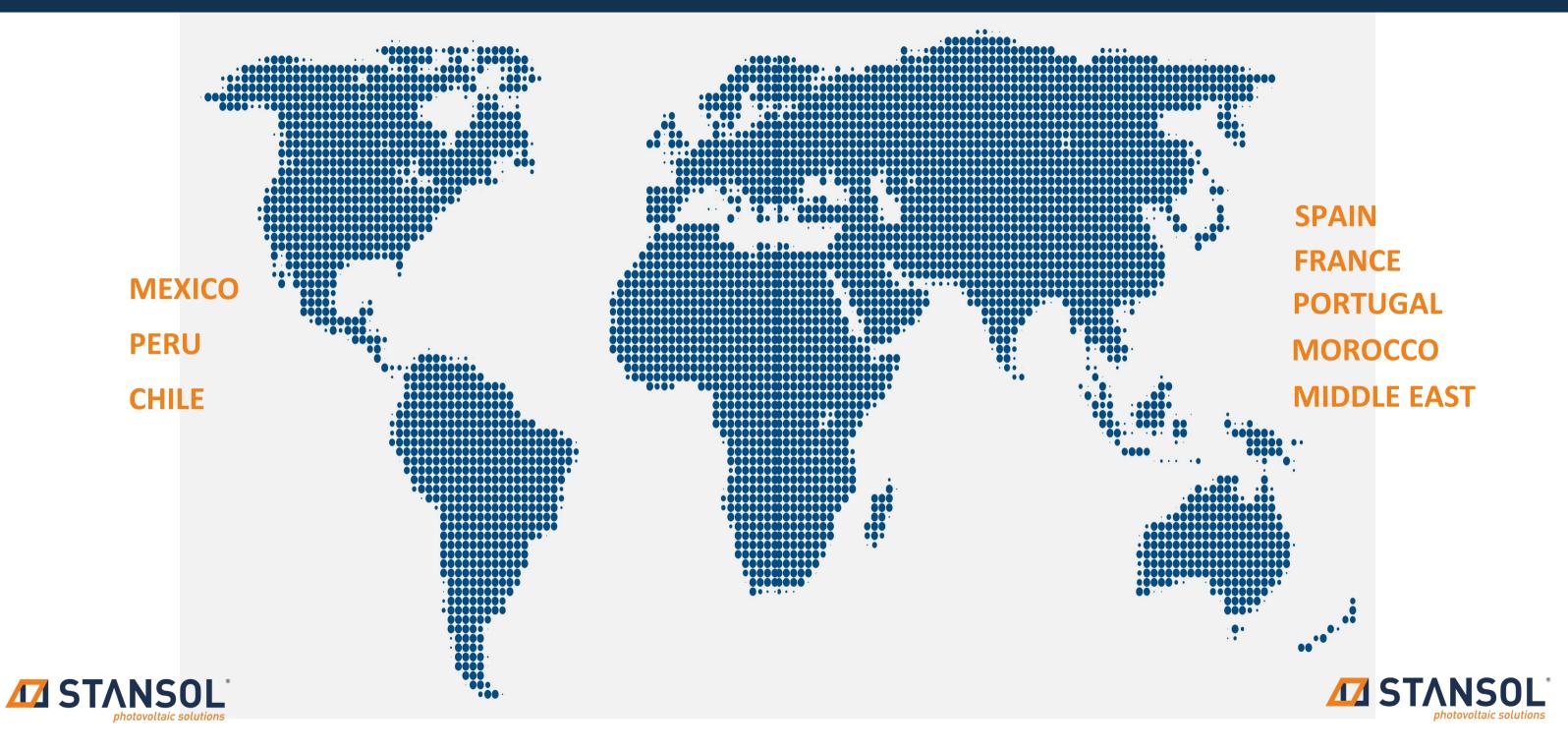








GLOBAL PROJECTS



FIXED STRUCTURE















FIXED STRUCTURE















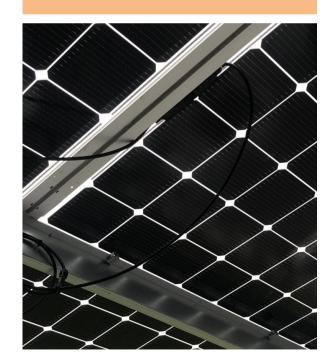




SOLAR CARPOT

FIRST ELECTRIC
VEHICLE
RECHARCHING SOLAR
CARPOT ISOLATED
FROM ELECTRICAL
NETWORK INSTALLED
IN EUROPE





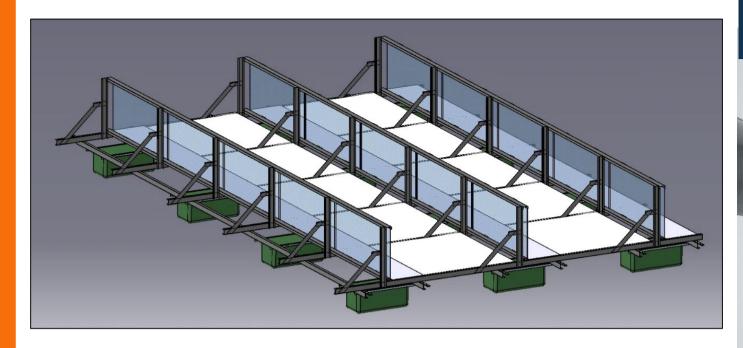






PREVIOUS EXPERIENCE LEADING STEEL CONSTRUCTION PROJECTS

EXPERTS IN STRUCTURES



IMPROVES ENERGY
EFFICIENCY
HIGHER GUARANTEE
COMPETITIVENESS

Between 4.5% (respect 12% slope) and 8.5% (with respect to 5% slope). 20 years (competitors 10) 15% economical saves

Land used for growing, water rafts for photovoltaic generation

Water evaporation reduction approx. 18%

Algae generation reduction, water quality improvement





Part of our team has worked for the last 20 years in the Management (Design, Manufacturing and Erection) of large Steel Structure Projects in both national and international markets. Their extensive experience in this type of projects and the application of that same way of managing on photovoltaic projects, provide a high added value that together with the high knowledge of the structural components and their behavior, allow to solve the projects efficiently in terms of cost and guarantee. All its developments are parameterized with the highest quality and cost savings based on the design of the projects, adjusting to the real needs of the client, always studying each project in an individualized way and obtaining the best of the solutions, in quality and in price. A key factor in our service is to accompany our. clients both in the design phase and in the execution phase of the projects.

STANSOL ENERGY, PREVIOUS EXPERIENCE LEADING STEEL CONSTRUCTION PROJECTS





Fundación Louis Vuitton París (FRANCE)



EXPERTS IN STRUCTURES

World Trade Center – Ground zero New York (USA)



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