

Manufacturer/Installer of Solar Structures, Carports, and Agrivoltaic Solutions.



Siguesol

Your Solar Energy Partner

Siguesol, a leading company in solar energy, provides comprehensive services, from design to the installation of structures for solar panels. Our expertise guarantees the success of each project, with an experienced team excelling in design, sizing, and the production of structures suitable for various types of soil.

We ensure quality with durable products that withstand the most demanding conditions.

With a team of 20 full-time equivalents and 100 on-site workers, Siguesol completes 250 MWh of global projects annually, reaching an estimated turnover of 20 million euros in 2023.

Our offering includes design, foundation manufacturing, solar structure installation, carports, and agrivoltaic structures.

- Join us for clean and renewable energy, as at Siguesol, we believe in a greener and more sustainable future.





Our Products

Solar Structures

Siguesol offers a diverse range of solutions for structures suitable for all types of soil, ensuring optimal performance. We guarantee quality with durable products that withstand the requested conditions.

- **Versatility:** Our solutions are designed to adapt to soil variability, ensuring maximum adaptability for each solar project.
- **Guaranteed Longevity:** Made from Zinc/Magnesium-coated galvanized steel, our structures are guaranteed to withstand all types of environments.
- **Suitable for Sloping Terrain:** Our solutions can be specifically adapted for sloping terrain (up to 35°), ensuring seamless integration even in topographically complex environments.
- **High Standardization:** While maintaining a high level of standardization, our Siguesol systems are compatible with all models of photovoltaic panels, offering total freedom of choice without brand restrictions.
- **Bi-facial Compatible:** Our structures are optimized to accommodate bi-facial panels, minimizing shading areas and maximizing energy production.
- **Quick Installation:** Designed for efficiency, our solar structures allow for fast and effective installation, reducing lead times for prompt commissioning.
- **Easy Maintenance:** Easy bottom access facilitates regular maintenance of our structures, ensuring extended lifespan and continuous performance.
- **Approved Design:** All our structures are designed in accordance with Eurocode standards.





Solar Structure - Foundations

Screw Foundations

Siguesol screw pile foundations are the ideal solution for combining efficiency, durability, and environmental sustainability in all your projects.



- ▶ **Tested and Approved:** Our screw have been rigorously tested and approved by reputable organizations (Socotec, Geotec, etc.), confirming their reliability.
- ▶ **Minimal Ground Impact:** No need for excavation or earthwork, preserving the site's integrity.
- ▶ **Eco-friendly:** Without concrete, the screw minimize their environmental impact and do not compromise soil impermeabilization.
- ▶ **Versatile for All Terrains:** Whether with or without pre-drilling, screw foundations work on all types of soils (topsoil, clay, chalk, rock, concrete) and under all weather conditions (rain, frost, snow).





Solar Structure - Foundations

Swivel foot

This unique foundation solution is used when it's not possible to excavate (such as in backfill soils, landfill sites, or when construction sites contains utility lines).

- ▶ **Exceptional Adaptability:** Siguesol articulated footings are installed on concrete foundations, allowing for inclinations up to 10%. This unique feature provides flexibility to compensate for uneven terrain and differential settlements.
- ▶ **Adapts to Changing Conditions:** Thanks to the telescopic height adjustment mechanism of the footings, this solution can be modified as the terrain evolves. This ensures continuous stability and easy adaptation to topographical changes.
- ▶ **Addressing Specific Challenges:** The swivel feet are specially designed to meet challenges such as the absence of excavation and the presence of underground infrastructure, providing a robust solution where other methods may be limited.





Our Products

Solar Carports

Siguesol's solar carports redefine the duality of parking spaces by transforming them into renewable energy generators.

► **Integrated Solar Carports:** Our carports are specifically designed for parking lots, providing not only shelter but also a source of clean and renewable energy.

► **Verified Structure:** The Siguesol assembly system is verified by a supervisory authority.

► **Guaranteed Weatherproofing:** Thanks to their gutter system, Siguesol carports offer optimal weatherproofing, ensuring that the parking area remains dry even during rainy weather.

► Siguesol's solar carports represent a perfect synergy between energy efficiency and functionality. Transform your parking lots into sustainable and productive spaces with our innovative solutions.





Carports Canopy

While the term "canopy" is often used in English to refer to an awning, in French, the "canopée" primarily refers to the treetop canopy. Comprising the foliage directly exposed to sunlight, the "canopée" concept is reminiscent of our Canopy solution.

The east-west structure of this canopy, also known as the multichapel, offers the following advantages:

- ▶ **Increased Density for Better Efficiency:** The design of the carport allows for a panel density on the roof up to 30% higher, ensuring optimal efficiency per square meter.
- ▶ **Additional Power with East-West Mounting:** Enjoy a power increase of up to 30% thanks to the cleverly integrated east-west mounting system, optimizing solar energy capture throughout the day.
- ▶ **Installation Cost Reduction:** The more efficient use of supports and mounting materials results in a significant reduction in installation costs, providing an economical and sustainable solution.

1.19MWp Belgique





Carports

Monopile

The Monopile model offers unique flexibility with a single or double slope, thus catering to the diverse needs of each project.



- **Space-Saving:** Thanks to the head-to-head arrangement allowed by the central pile, the Monopile carport offers optimal space utilization, increasing parking capacity without compromising user comfort.
- **Simplified Installation:** The lightweight design of this structure significantly simplifies implementation. The absence of concrete blocks reduces installation complexity while maintaining the necessary robustness.



Carports Bipile

The Siguesol Bipile carport represents the evolution of canopies for larger structures. This east-west structure offers the following advantages:

- **Double-Post Design:** The Bipile model utilizes a two-post design, allowing for greater distances between ground anchors. This makes it the ideal solution for larger structures.
- **Enhanced Robustness:** Thanks to its double-post design, the Bipile canopy offers increased stability, ensuring optimal resistance to various weather conditions.
- **Large-Scale Adaptability:** This design allows for coverage of larger areas, meeting the needs of projects requiring extensive scope.



12.7MWp Belgique





Our Products

Agrivoltaics

Siguesol's agrivoltaic solutions offer an innovative response to the challenges of modern agriculture. Designed to seamlessly integrate with agricultural activities, they provide dual land use, optimizing space without harming crops and pastures.

- ▶ **Perfect Integration:** Solutions tailored to the needs of crops and livestock, ensuring a smooth coexistence.
- ▶ **Resource Optimization:** Dual land use for solar energy production and optimal crop growth.
- ▶ **Agricultural Protection:** Providing beneficial protection for crops and livestock through moderate shading.
- ▶ **Agricultural Adaptability:** Easy passage for agricultural machinery, respecting daily operations.
- ▶ **Clean Energy for Agriculture:** Contributing to the energy self-sufficiency of farms, promoting sustainability.





Our Services



Engineering and Design

All Siguesol structures are designed by our in-house engineering department following the Eurocode and national annexes.



Supply and Installation

In addition to handling the design of the structures, Siguesol provides a complete solution from supply to installation, ensuring a smooth and controlled process from start to finish.



Insurance

Upon request, we can provide a ten-year insurance policy in addition to a liability insurance with a coverage value of 10 million euros.



Logistics

To ensure a comprehensive logistics service, Siguesol takes care of site deliveries of structural elements, as well as unloading and distribution.



Pull-out Tests

We offer the execution of foundation tests as required by the geotechnical engineer to obtain the G4 certification.

► Vertical and Horizontal Tests: Vertical and horizontal tests are carried out to assess the strength and stability under various loading conditions specific to the studied structure.

► Standards-Compliant Methodology: Our methodology strictly follows the Eurocode 7 and relevant standards (such as NF P 94-261), ensuring an approach compliant with international standards.

Equipment

Our machine park includes:

- 5 screwdrivers/drivers
- 2 pre-drilling compressors
- 1 variable-reach telescopic forklift
- 1 mini excavator (5 tons)
- 1 mini excavator (2.5 tons)
- 5 tracked pallet trucks
- 5 trailers
- 5 GPS kits
- 4 soil tests kits

Several references



Allée des Sorbiers 5, B-4190 Werbomont
+32 (0) 86 45 66 64 - info@siguesol.com

Windhoek 29, B-8790 Waregem
+32 (0) 56 71 15 01 - aanvraag@siguesol.com

Rue Paul Hérault 15, F-34500 Béziers
+33 (0) 4 12 05 75 15 - info@siguesol.com

