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S O L A R

Mounting Systems



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HISTORY



Uslu Demir Çelik, one of the pioneers of the iron and steel sector, was established in Samsun in 1958. Since the day it was founded, it has had an annual iron and steel processing capacity of 200,000 tons by making continuous investments.

Uslu shares this capacity with its valuable sector stakeholders in its factories located in Samsun, Izmir, and Osmaniye and adds new targets to its growth strategy every day.

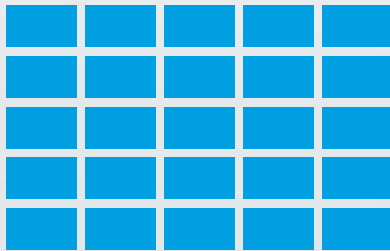
With the confidence in its deep-rooted history and the principle of continuous innovation, it has put Uslu Solar into operation in 2023 by adding the steel construction of site, roof and carport type power plants that produce electricity from solar energy to its production network.

DESIGN ACTIVITIES

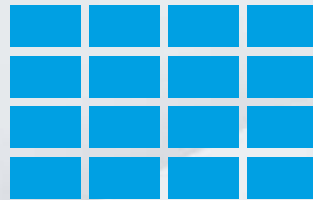
With 65 years of experience and technical knowledge, Uslu Solar can produce the most suitable construction system for your project in line with your requests, and it is also capable of designing the steel construction system of projects whose layout is ready in accordance with Eurocode standards, and also offers engineering services.

Working with the principle of minimum cost and maximum strength, Uslu Solar develops it as a 100% domestic manufacturer and optimizes it in accordance with the regional conditions.

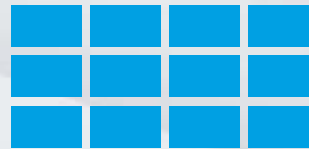




5 x 4 Landscape



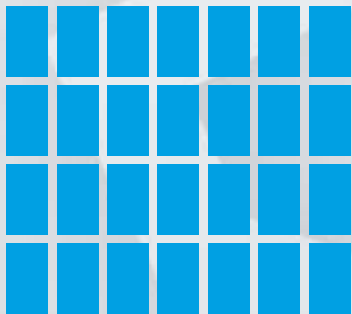
4 x 4 Landscape



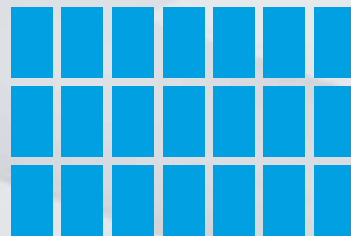
3 x 4 Landscape



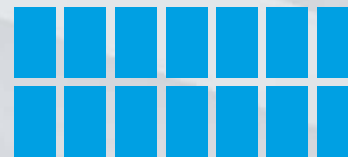
2 x 4 Landscape



4 x 7 Portrait



3 x 7 Portrait



2 x 7 Portrait



1 x 7 Portrait

Project design and material production are carried out in accordance with landscape or portrait panel placement within the scope of licensed, unlicensed, off-grid and irrigation systems.

PRODUCTION ACTIVITIES



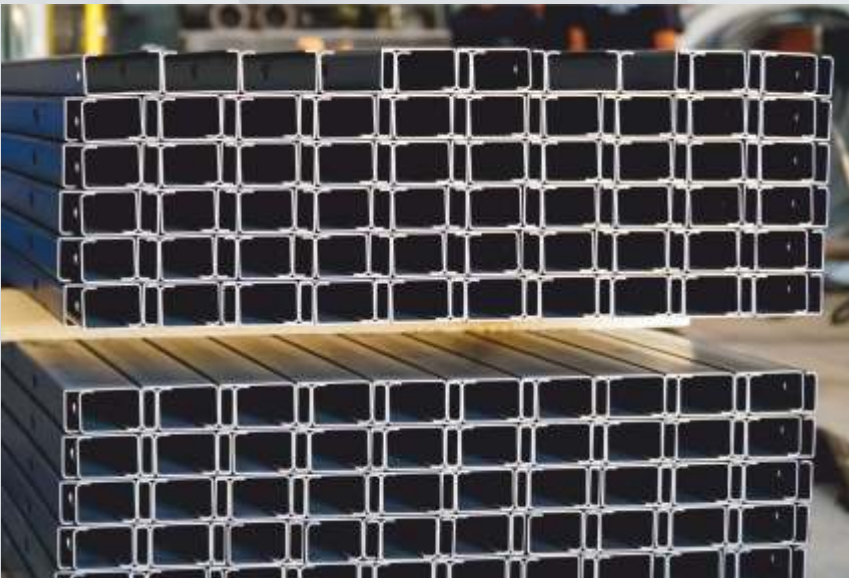
With Uslu Demir Çelik's wide raw material network, production can be made in many material types and qualities.

Zinc-Magnesium-Aluminium alloy coated, pregalvanized and hot-dip galvanized products can be produced in the desired sheet and coating quality.



The entire production process is carried out automatically on roll-form lines to ensure that the products do not differ in quality and measurement.

All holes and slots on the profiles are manufactured on these lines and no additional manual drilling is done on the finished product.



In order to meet the project demands with maximum strength and minimum cost, we manufacture C-Profile, Sigma Profile, U-Profile and Channel Type profiles in thicknesses of 1.50 mm, 2.00 mm, 2.50 mm, 3.00 mm and 4.00 mm according to the relevant norms.

ASSEMBLY ACTIVITIES



Uslu Solar can integrate the column application plan into the field with the support of the survey engineer and can work on driven, pre-drilling or concrete foundations in the field, depending on the foundation type of the columns.

Uslu Solar, which is also active in the installation of all steel construction works and the installation of the system in the project, also carries out the panel assembly in accordance with the assembly catalogue, excluding electrical and cable installation.



SERVICES

Uslu Solar carries out design and material production activities in accordance with the relevant regulations and standards.

We follow through our activities in accordance with the standards of ISO 9001-2015 Quality management certificates.

With the domestic manufacturer certificate that we have, we also serve all SPP projects that can be done as licensed.

Foundation Types in our SPP Projects:

- Ramming Based SPP Projects
- Auger Concrete-Based SPP Projects
- SPP Projects over Concrete Anchors
- Pre-drilling Based SPP Projects

The power plant types we are working with are as follows. We can develop projects and provide material production in accordance with these power plant types.

Site Projects

- On-Grid Land Systems
- Off-Grid Land Systems
- Irrigation Systems

Roof Projects

- Flat Roof Systems Angled Roof Systems
- Tile Roof Systems
- Trapezoidal Roof Systems
- Sandwich Roof Systems

Carport Projects

- Over Concrete Systems



Uslu Solar designs land type SPP projects in 4 different foundation types and carries out material production by obtaining approvals from the relevant official institutions.

Ramming Foundation SPP Projects - Auger Concrete Foundation SPP Projects

SPP Projects with Anchors over Concrete - Pre-drilling Based SPP Projects

USLU Solar also performs nailing and tensile tests at the project site for SPP projects with a ramming foundation type.



Thanks to its optimized design, the enhanced 1 support system of our car-ports offers usage possibilities for areas have high demands.

In order to meet the high demands, the movement area is also considerably widened for boarding and alighting.

The distance between the two supports can optionally be extended up to a parking space for three cars.



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