



**BLOCKMASTER**

Manufacturing & EPC  
Member of Rengy Group



FIXED TILT MOUNTING STRUCTURES



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**BlockMaster** manufactures load-bearing fixed tilt metal structures for all types of photovoltaic modules and ensures the prompt delivery of a complete set of support systems for the implementation of the project for the construction of ground-based solar plants.



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Design and calculate  
different structure types



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Fulfil the terms of delivery  
(a complete set of  
installation systems  
anywhere in the world)



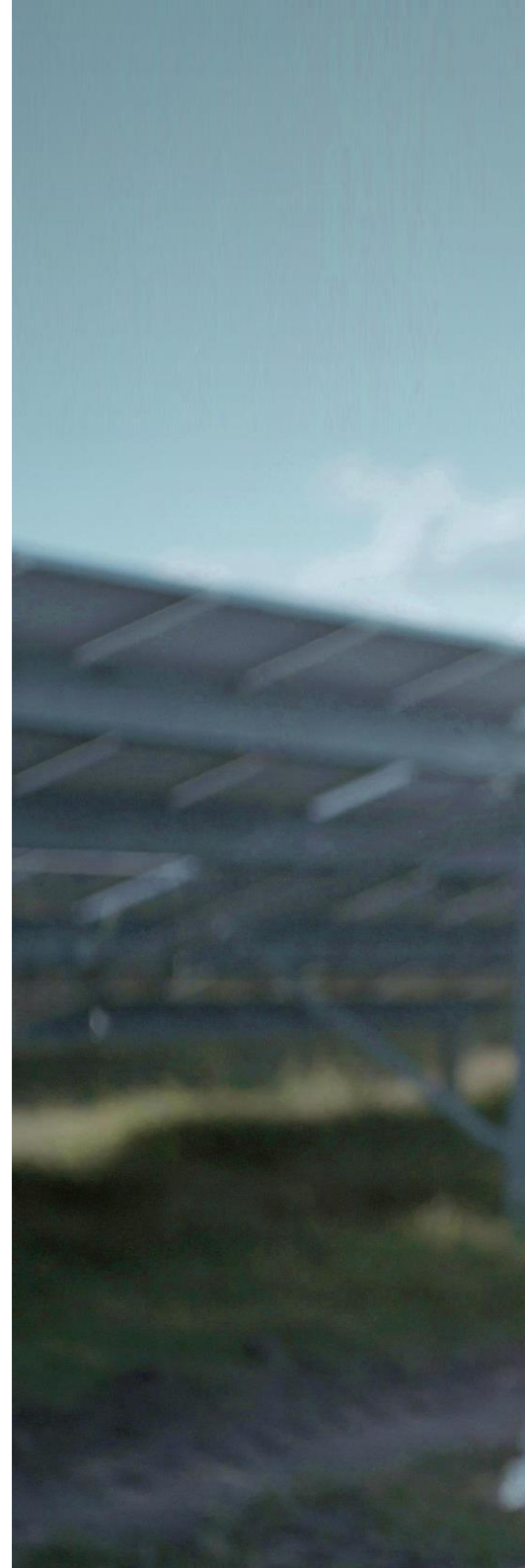
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Configure and manufacture  
"turn-key" support systems



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Perform installation  
and/or expert supervision



# Mounting Systems

for ground-based solar power plants





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- ✓ Design characteristics correspond to UA standards **DBN, DSTU, and SNiP**
- ✓ Design also in line with **Eurocode 3** standards
- ✓ Possible to adapt to **European Standards**

The frame is assembled from cold-rolled, galvanized profiles of various cross-sections by bolting using aluminum clamps and galvanized hardware.

A number of challenges in the installation of solar panels are solved with a typical frame model, which is a universal static system for attaching photovoltaic cells in open areas. The design involves installation of various placements of solar panels in one or more rows.

All structures, including the standard ones, are individually calculated taking into account climatic and ground conditions of the construction site in order to optimise metal supports and positioning of the solar panels.

System type: ground installation.

Construction material: steel C245, C235.

Clamping material: aluminum.

Structural elements: cold-rolled profile (main frame); steel cable (ties)

Connection of structural elements: bolted (galvanized hardware).

Anticorrosive coating: hot-dip galvanizing (80-100 microns).

Any type of fixing in the ground.

Service life of structures: 25 years.





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Design and production of structures of any configuration with different placement and number of panels



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Design and production of structures for different types of ground anchoring



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Design and production of screw pile fastening



**22<sub>MW</sub>**  
A MONTH

Capacity of our own production  
of fixed tilt mounting structures

**ISO**  
9001: 2015

Certificate of production  
according to international  
standards

**3**  
EUROCODE

Design of steel structures  
according to the European  
Standards

**175<sub>MW</sub>**

total capacity of solar plants  
using **BlockMaster** mounting  
structures



Top quality  
and competitive pricing



Easy to assemble  
and install



Durability of the fastening  
systems, galvanized with a  
coating of 80-100 microns

**25**  
YEARS

of warranty for ready-made  
sets of support systems for  
solar panels



CORPORATE  
GUARANTEE



TRANSPARENCY AND  
OPENNESS



HALF A CENTURY  
OF EXPERTISE



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**BlockMaster** is a member of **Rengy Development Group** and, since **1975**, has been involved in construction projects, the implementation of complex designs, engineering and the installation of “turn-key” solutions.





Department of integrated design of energy facilities and supporting metal structures



Automated warehouse and own fleet of construction and logistics vehicles



Metal rolling stock and partnership with leading suppliers



**175<sub>MW</sub>**

the total capacity of  
constructed solar power  
plants



**BLOCKMASTER**

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**BlockMaster** has constructed solar power plants with a total capacity of **175 MW**, where it has acted as an EPC contractor and performed the full range of engineering, installation, construction, and commissioning works.

**BlockMaster** has also supplied both the main and auxiliary equipment, as well as manufactured and supplied fixed tilt mounting structures for solar panels.



## OUR EXPERIENCE IN METAL STRUCTURES

- ✓ Fixed tilt metal structures for photovoltaic mounting systems Supporting structures for power lines
- ✓ Supporting structures and poles for HV power lines
- ✓ Load bearing structures for industrial buildings and other infrastructure elements

# OUR PARTNERS



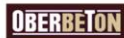
European Bank  
for Reconstruction and Development



ОДЕСКАБЕЛЬ



ORIFLAME  
cosmetics





# 50+

YEARS OF CORPORATE  
TRACK RECORDS



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