

Ground Mounting Systems

Leading Solar Technologies



Arausol Company

headquarter in Schorndorf, Germany



Arausol is a future-oriented family business in photovoltaics and one of the leading suppliers of solar Mounting Systems. With years of experience, technical precision and constant innovation, we implement projects worldwide.

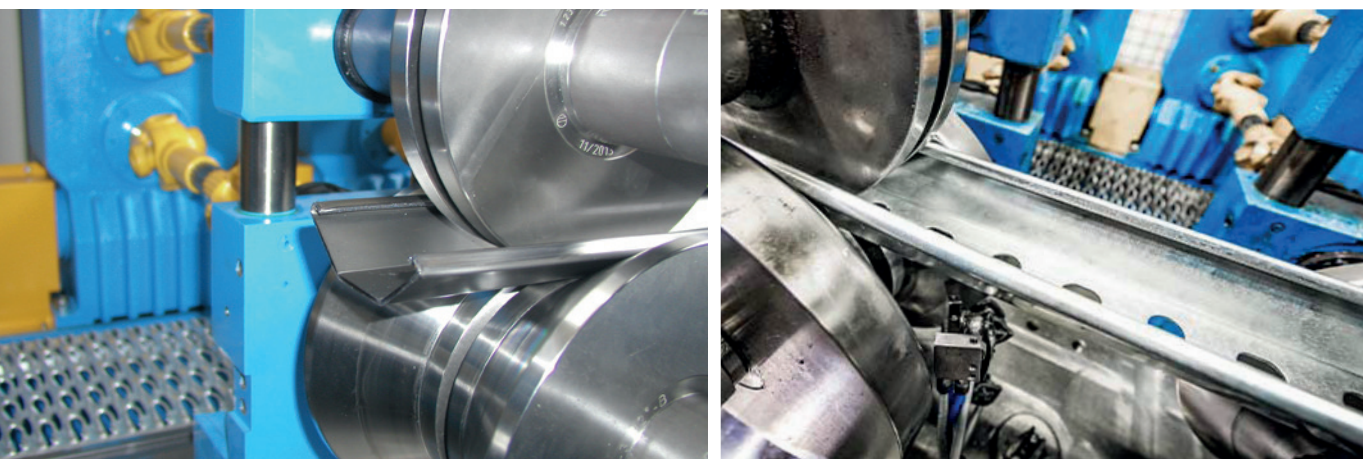
The mounting systems developed by Arausol for fixed elevated and tracked photovoltaic power plants convince with technical know-how and highest quality standards. At its headquarters in Schorndorf near Stuttgart, Arausol plans, manufactures and assembles photovoltaic solutions.

Steel Profiling

from steel to PV mounting systems



Arausol supplies advanced PV mounting systems. The robust systems are designed for fast ramming and assembly of modules. The assembly systems are manufactured on state-of-the-art steel profiling machines with 14 to 24 profiling stations. Efficient logistics, quality certification and toolmaking are part of our services.



System Description

mounting system FMS



The mounting system FMS is designed to mount PV modules with extremely short set-up times on the construction site. The modules can be mounted by Arausol's quick-clamp technology. Both framed and unframed modules of any frame size can be installed.

The system is designed for a long lifespan over 25 years. The steel posts and frames are galvanized or coated with Magnelis which guarantees anti-corrosion resistance and a long lifespan.

Your Benefits

your partner for innovative solar technology



- Highly robust construction, statically checked
- Costs savings due to minimized system cost
- Simplified and fast mounting process
- Applicable to a wide range of module formats
- Long-lasting materials guarantee high performance of PV park across lifespan
- Individual layout and mounting according to your space and conditions
- Short-term and reliable delivery
- Just-in-time delivery and service according to your project planning

Mounting Systems

modular mounting systems



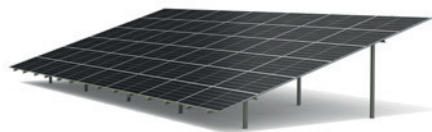
FMS-V2
2 modules vertical



FMS-V3
3 modules vertical



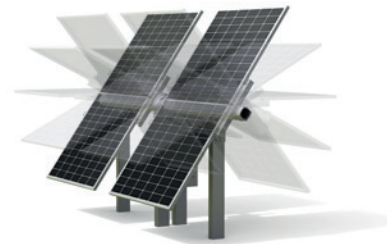
FMS-V3-OW
6 modules vertical



FMS-H6
6 modules horizontal



FMS-V2-B
2 modules-concrete

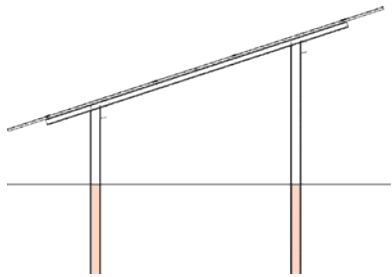


FMS-HTS-V1
1 module-tracker

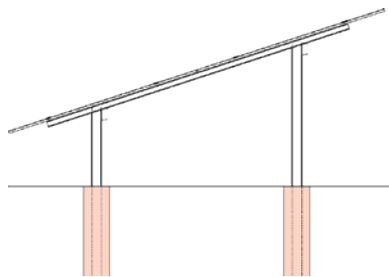
Arausol's outdoor PV mounting systems can be supplied in different variants, depending on design requirements and on-site conditions. Individual table designs and setups can be specified and supplied based on our standard systems. Standard delivery of individual static calculations based on local wind and snow loads.

Foundation Systems

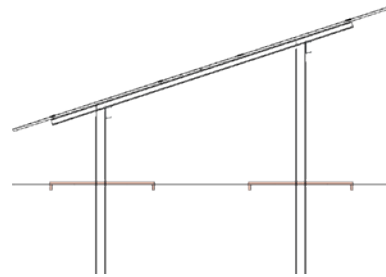
different foundations adapted to soil



Standard ramm foundation

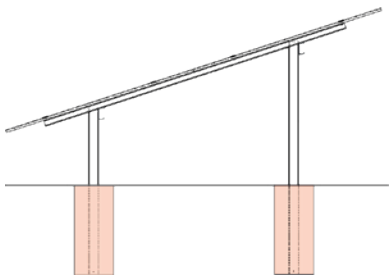


Bore gravel foundation

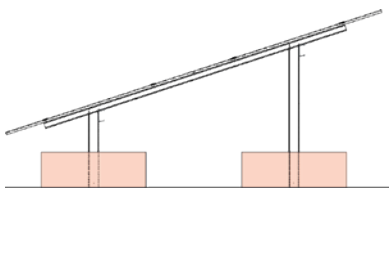


Pressure steel plate foundation

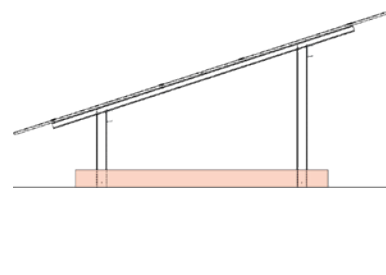
- Rammed foundation: standard universal version
- Pre-drilled pile foundation: for an extremely hard and rocky ground
- Concrete foundation: ideal for non-foundation floor surfaces



Concrete cylinder foundation



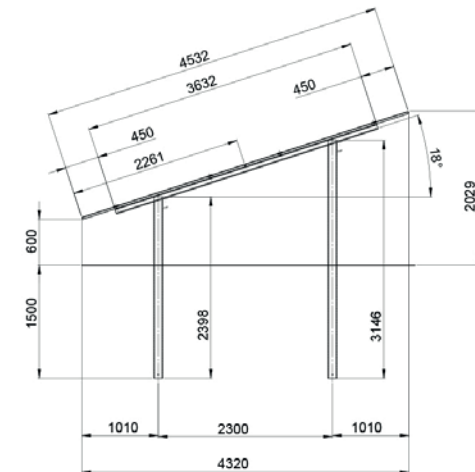
Concrete block foundation



Concrete strip foundation

Mounting System FMS-V2

2 modules vertical



Example construction

Module size: 2261 x 1134 x 35 mm

Module power: 550 Wp

Module arrangement: 2 modules vertical

Construction: 26 modules in a row

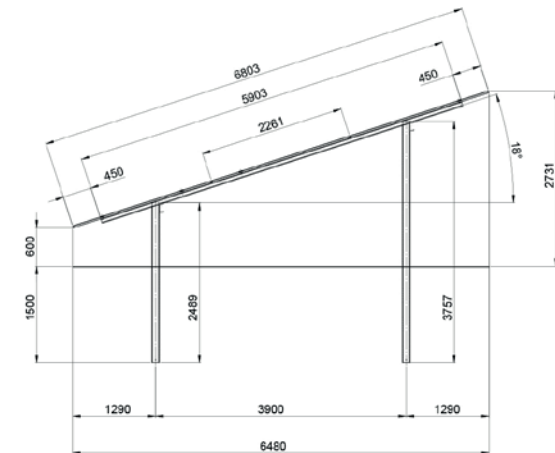
Table length: 29914 mm

Table size: 2 x 26 = 52 modules

Table power: 28,6 kWp

Mounting System FMS-V3

3 modules vertical



Example construction

Module size: 2261 x 1134 x 38 mm

Module power: 550 Wp

Module arrangement: 3 modules vertical

Construction: 26 modules in a row

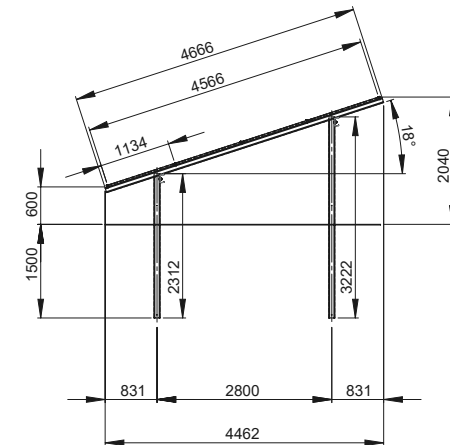
Table length: 29914 mm

Table size: 3 x 26 = 78 modules

Table power: 42,9 kWp

Mounting System FMS-H4

4 modules horizontal



Example construction

Module size: 2261 x 1134 x 35 mm

Module power: 550 Wp

Module arrangement: 4 modules horizontal

Construction: 14 modules in a row

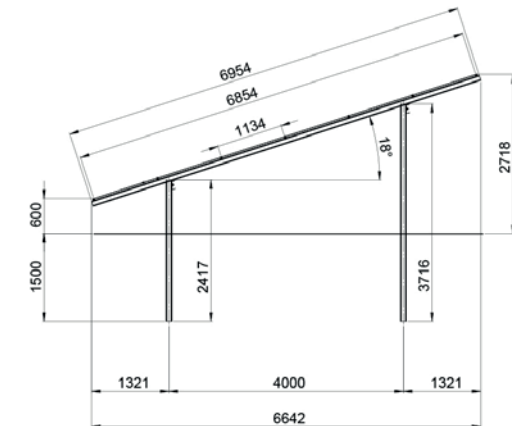
Table length: 31884 mm

Table size: 4 x 14 = 56 modules

Table power: 30,8 kWp

Mounting System FMS-H6

6 modules horizontal



Example construction

Module size: 2261 x 1134 x 35 mm

Module power: 550 Wp

Module arrangement: 6 modules horizontal

Construction: 14 modules in a row

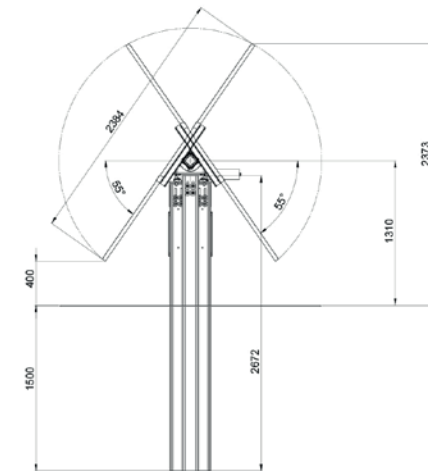
Table length: 31770 mm

Table size: 6 x 14 = 84 modules

Table power: 46,2 kWp

Horizontal Tracker HTS-V1

1 module vertical



Example construction

Module size: 2384 x 1303 x 35 mm

Module power: 655 Wp

Module arrangement: 1 modules vertical

Construction: 52 modules in a row

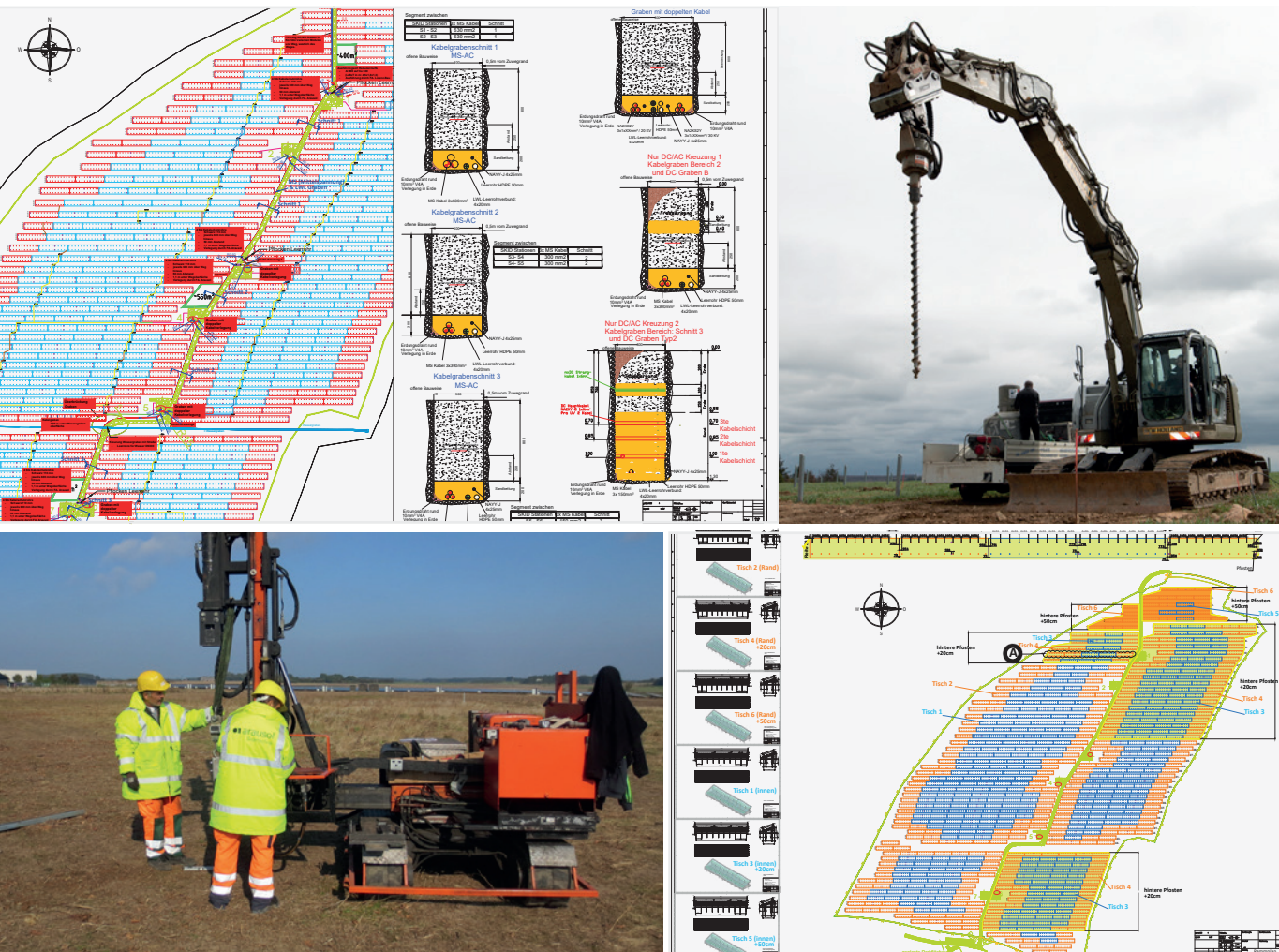
Table length: 68796 mm

Table size: 1 x 52 = 52 modules

Table power: 34,06 kWp

Planning & Statics

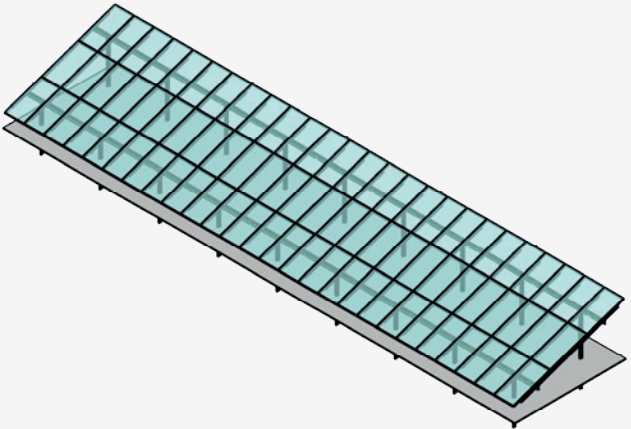
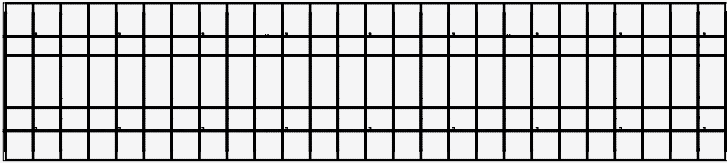
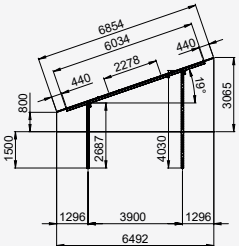
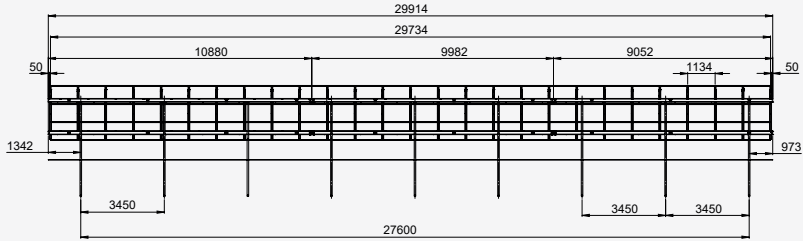
for mounting systems



- Planning of the tables on basis of the existing land
- Terrain statics with geological survey based on trial pile driving
- Mounting system: individual statics proof by location specific load
- DC- and AC-wiring diagram
- Underground working planning

Solar Table

technical drawing example



FMS-V3-19°			
3 Reihen je 26 Module			
Modulgröße: 2278x1134x35 mm			
Bifacial			
Modulleistung: 545 Wp			
Modulanzahl: 3x26=78 Module			
PV-Leistung 42.510 kWp			
Hersteller:	Projektor:	Revisionsnummer:	
Produktionsdatum:	Material:	Montageort:	
FMS-V3-19-20AR		1:100	
arausol			1
Technische Zeichnung			AG

As a specialist for mounting system technology, we manufacture our module carriers to measure. We also supply systems without shading on the back of the modules. This is possible thanks to the construction of the module carriers underneath the module frame.

Robust Construction

pictures of construction details



Picture 1: Highly robust construction

Picture 2: Integrated cable canal

Picture 3: Grounding module clamp

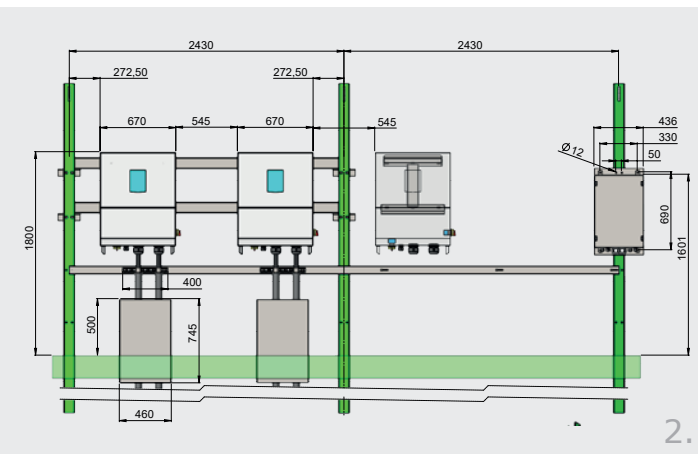


Inverter Installation

pictures of installation details



Picture 1: Easy & direct inverter mounting
Picture 2: Drawing of inverter mounting
Picture 3: Transformer station



Added Value

all from a single source



- Overall planning of the PV plant
- Test ramming
- Geological survey
- Site specific individual structural analysis
- Delivery of the assembly system
- Ramming works
- Mounting system installation and module assembly
- DC and AC wiring
- Delivery and assembly of the fence

Project References

excerpt of photovoltaic projects



Park: Vandel, Denmark
Parksize: 75,0 Mwp
Mounting system: FMS-H4



Park: Döllen, Germany
Park size: 64,0 Mwp
Mounting system: FMS-V3



Park: Sophienhof, Germany
Park size: 9,2 Mwp
Mounting system: FMS-H6



Park: Sophienhof, Germany
Park size: 9,2 Mwp
Mounting system: FMS H6



Park: Sunderland, England
Park size: 5,0 Mwp
Mounting system: MS H4



Park: Mainburg, Germany
Park size: 25,0 Mwp
Mounting system: FMS H6

Project References

excerpt of photovoltaic projects



Park: Karstädt, Germany
Park size: 10,0 Mwp
Mounting system: FMS H6



Park: Emmingen, Germany
Park size: 17,5 Mwp
Mounting system: FMS-V3



Park: Preblitz, Germany
Park size: 8,8 Mwp
Mounting system: FMS-V3



Park: Werder, Germany
Park size: 8,9 Mwp
Mounting system: FMS H6



Park: Salmour, Italy
Park size: 6,0 Mwp
Mounting system: FMS V2



Park: Ulrichhof, Germany
Park size: 8,3 Mwp
Mounting system: FMS H6

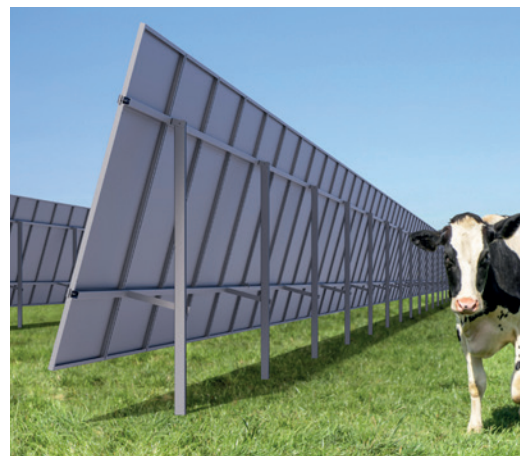
Agri-PV Performance

agri-PV systems



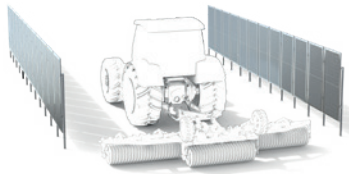
Arausol's Agri-PV mounting systems enable dual use of agricultural land. The cultivation and a simultaneous energy production are possible on one area through the individually planned Agri-PV mounting systems.

11.3% higher yield than all standard AGRI-PV fence systems. The solar tables are designed with one module vertically and set up with an inclination of 15°. This configuration makes the system extremely efficient, achieving a 11.3% higher yield than any standard AGRI PV fencing system.

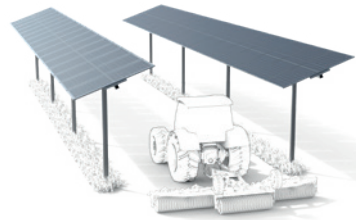


Agri-PV Mounting Systems

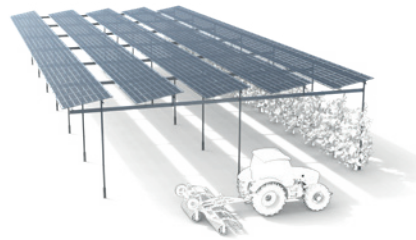
delivery & performance



Mounting System AGRI-Z1
AGRI-PV Fence-System East/West

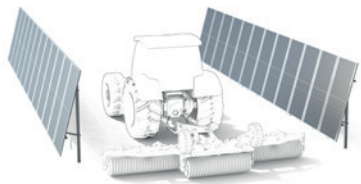


Mounting System AGRI-F
AGRI-PV Fix-System South

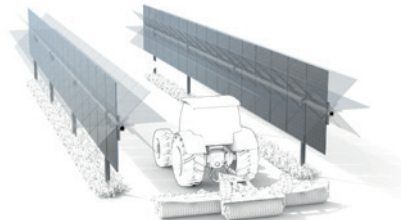


Mounting System AGRI-D1
AGRI-PV Roof-System South

The Agri-PV mounting systems can be supplied in different variants, depending on the design requirements and conditions on site. Individual table and fence as well as canopy designs and setups can be specified based on our standard systems.



Mounting System AGRI-Z2
AGRI-PV Fence-System South



Mounting System AGRI-T
AGRI-PV Tracker East/West



Mounting System AGRI-D2
AGRI-PV Roof-System East/West

Areas of application:



Products & Projects

strong client relationships

	
<p>Energy supplier</p>	<p>Project developer</p>

Arausol demonstrates strong and long standing relationships with blue chip customers ensuring recurring projects and being at the forefront of product and market developments.

Arausol has been certified by

ISO 45001, ISO 9001 and ISO14001



Products and services:

- Special construction of mounting systems
- Solar PV ground mounting systems
- Single axis PV tracker systems
- EPC services, O&M and project development

Arausol is your partner

for innovative solar mounting system technology



Dipl.-Ing. Jaime Arau
Founder & Managing Director



Dr. Henning Wicht
Managing Director

Arausol is one of the leading system houses and project developers for photovoltaic systems. The mounting systems we develop for ground-mounted systems, agri-PV, roof-mounted systems and solar carports convince with innovative ideas, technical precision and customer-specific solutions.

We look forward

to your message, your call or your visit to us



Arausol
Arau Technik GmbH
Hanfwiesenstraße 15
D - 73614 Schorndorf
Phone + 49(0) 7181 9220 0
Fax +49 (0) 7181 9220 200
Email info@arausol.de

Arausol North
Arau Technik GmbH
Güstrower Str. 2
D - 17213 Malchow
Phone +49 (0) 39 932 8089 93
Fax +49 (0) 39 932 8248 03
Email info@arausol.de