

AERO SYSTEM The expert for open terrain

OPEN TERRAIN

The ARE01 +2 mounting systems were developed especially for a quick and particularly safe installation of Photovoltaic modules in horizontal and vertical orientation. Both efficiency and security were of particular importance to the design of the construction.

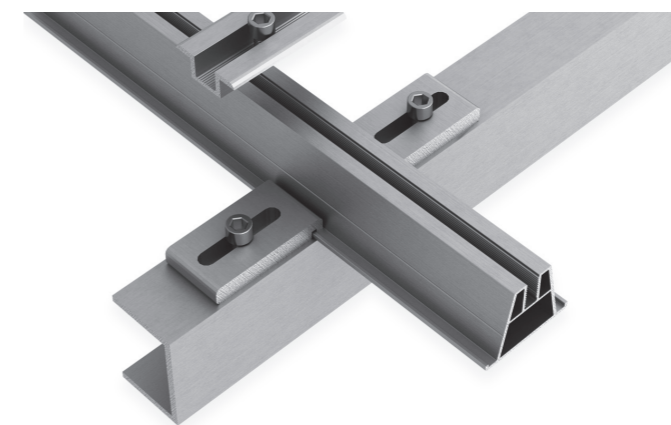
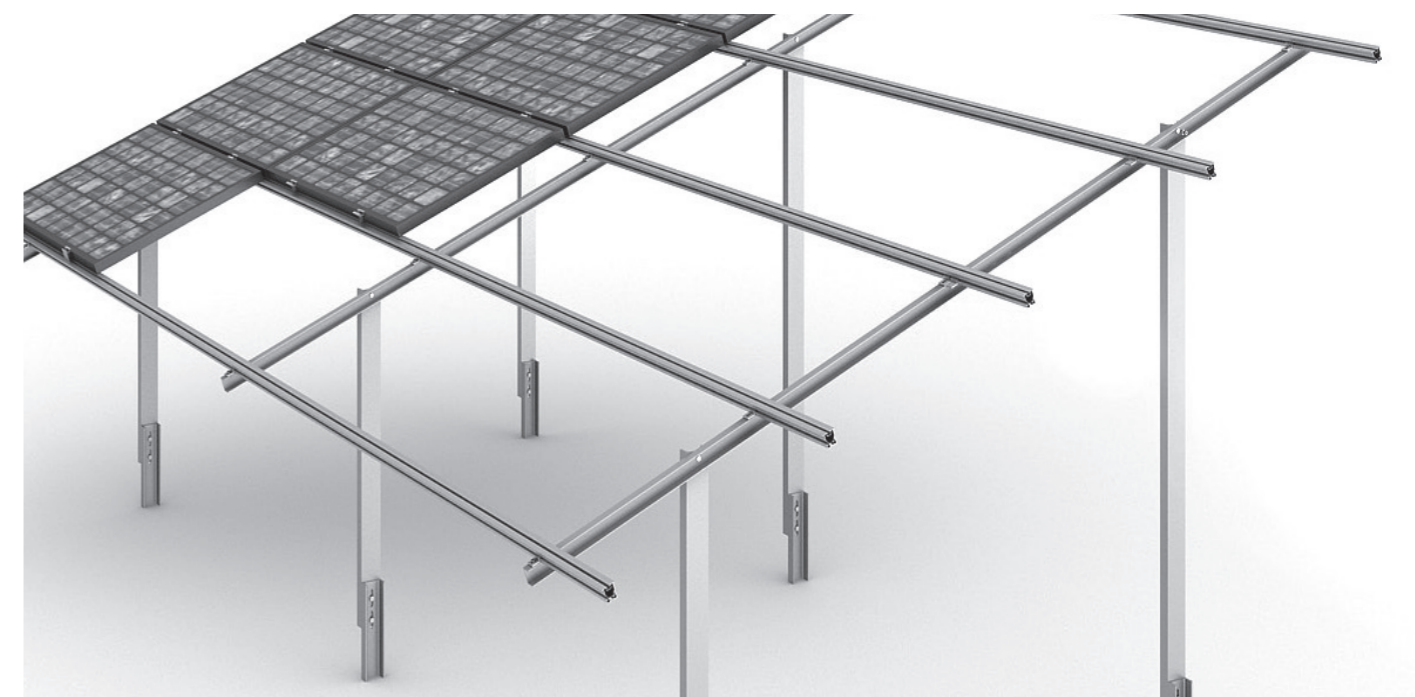
Our highly specialized partners from engineering firms and Universities help us with Structural design, materials testing and geological questions.

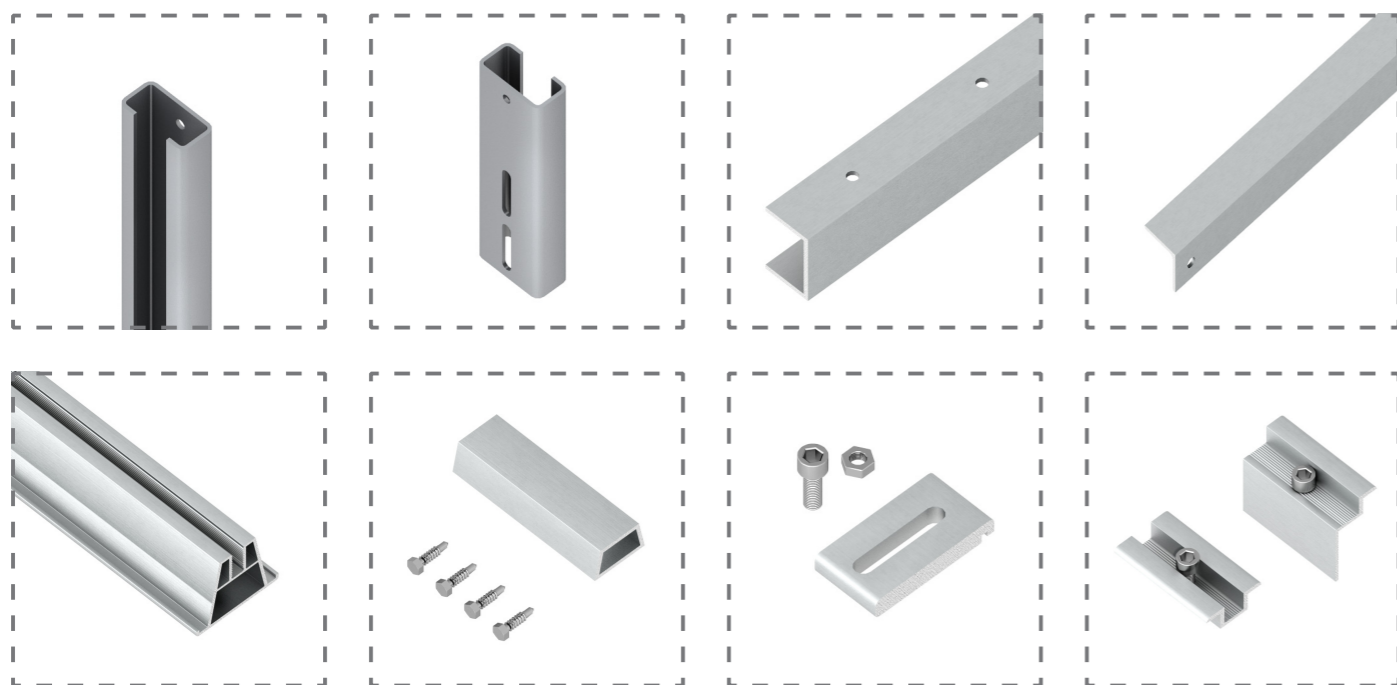
All systems are individually approved by registered structural engineers with structural calculations based on current European design guidelines.

IHRE VORTEILE:



- + Few components (only 5 components and only 5 easy accessible screws per frame) and reduced tool selection
- + Significant cost savings due to simple and functional design combined with highly efficient use of materials through optimal structural design
- + Structural security: Guaranteed, individual structural design. Based on current EN standards
- + The ram posts avoid soil sealing and offer complete deconstruction and recyclability





All components of the systems fulfil high quality standards and are made in Germany.

The use of only aluminium and stainless steel for all metal parts mean a maximum lifetime of the installation is ensured.

We are so confident of this we are happy to give you a 10 year warranty.



Technical Data +

Field of application	Ground mounted
Type of soil	Almost all soil classes
PV modules	Suitable for all standard module types
Module orientation	AERO 1: 2 x vertical, 3 x horizontal AERO 2: 4 x horizontal
Attack angle	15° till 30°
Distance module edge of ground	0,6 m till 1,3 m
Distance rack	AERO 1: 1,8 m till 3,0 m AERO 2: 1,8 m till 3,5 m
System components	U-profile as beam, mounting rail: Aluminum (EN AW-6063 T66) : mid and end clamps: Aluminum (EN AW-6063 T66), C-/ U-Profile, Head and L-Profile: Hot-dip galvanized steel
Connecting elements	Stainless steel A2-70, hot-dip galvanized steel
Static principles	load assumption: DIN EN 1991 Design and construction of Steel structures: DIN EN 1993 Dimensioning and design of aluminum frames: DIN EN 1993 Individual system structural analysis based on local snow and wind loads Individual static site based on the soil expertise Vibration analysis under wind blast (optional) Earthquake analysis (optional)





SUNAVI SYSTEMS GmbH
Ringstr. 3
74385 Pleidelsheim
Germany

T +49 (0)7144-898188-0
F +49 (0)7144-898188-9

info@sunavi-systems.com
www.sunavi-systems.com

