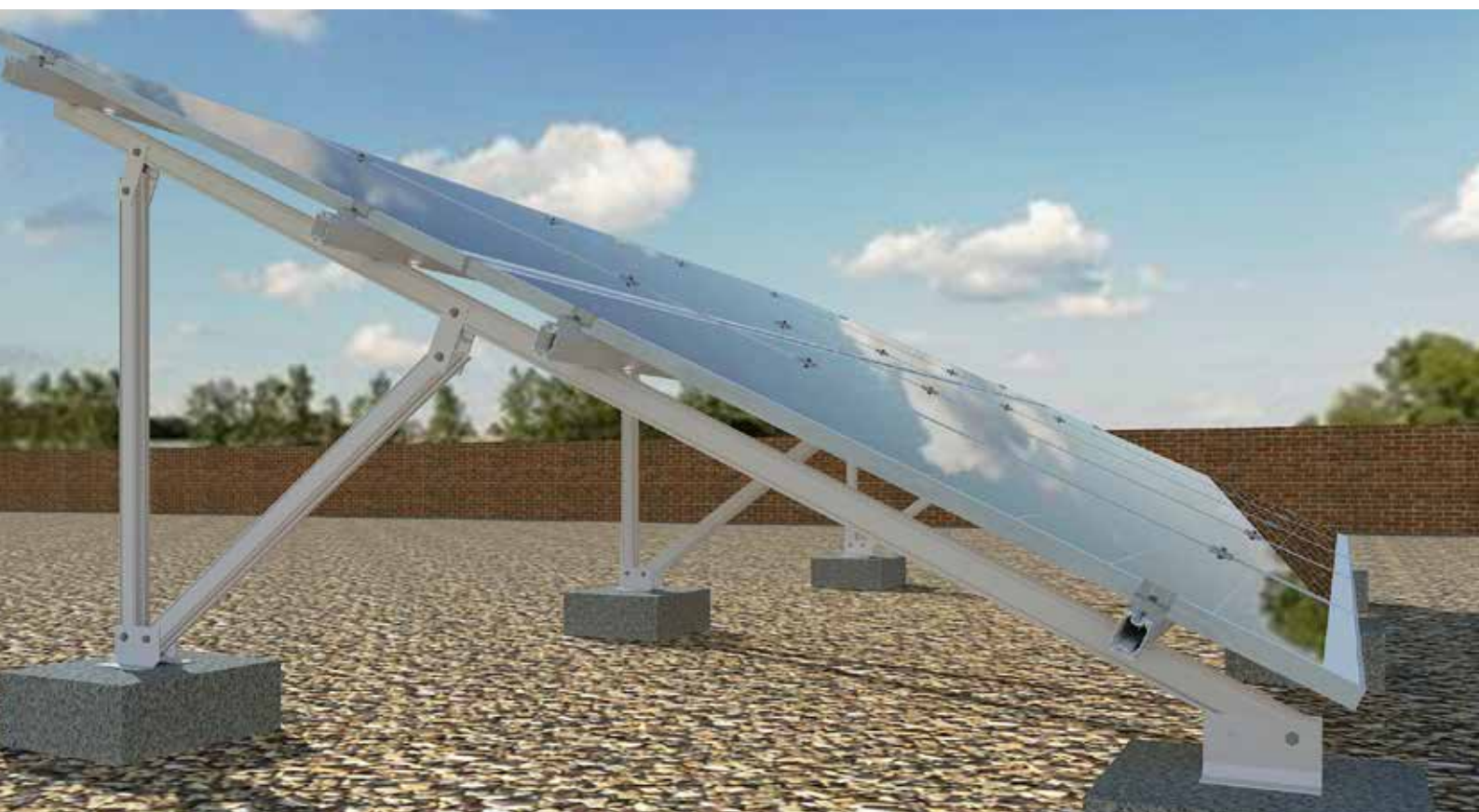


Mounting systems for solar systems



Free Standing systems

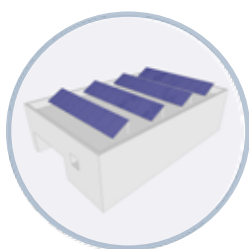
Free Standing system **FSS**



Haiakil free standing systems can be adapted whether to open land or to all structural and construction conditions. For roof fixation Our structural engineers calculate the optimum design to ensure that loads are optimally spread over the supporting structures and the reserve load capacity is not exceeded. In doing so, we take into account the applicable building regulations as well as local wind loads.

The success of the investment stands or falls on the quality of the mounting system. Because in the end, it depends on the mounting system whether the solar plant achieves its planned running time in all weathers without disruption. In other words: whether the investment will pay off. Haiakil free standing systems have a high load capacity, durable and require low maintenance in the toughest conditions.

A high degree of prefabrication and optimally coordinated components make installation at the construction site quick and effective.



Roof Top

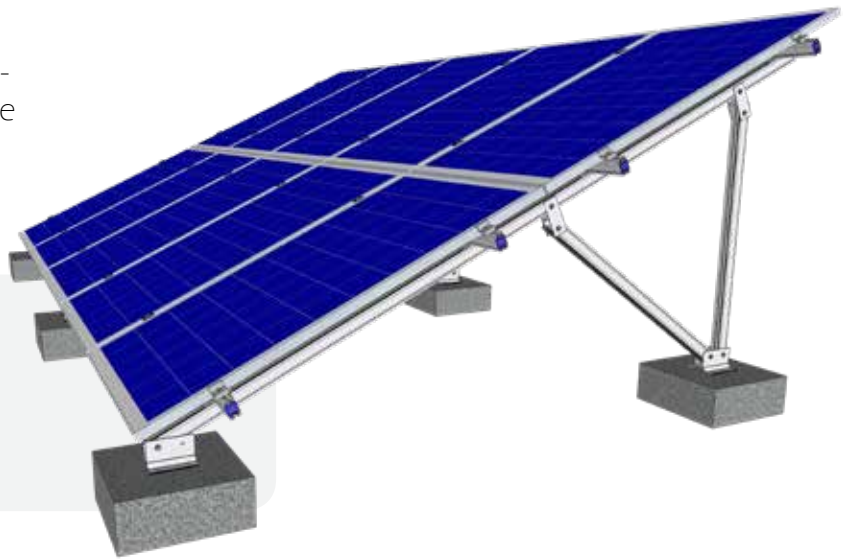


Open Land

- ▶ High corrosion resistance (100 % aluminum)
- ▶ Fast and cost-effective project planning, also for special planning.
- ▶ Stability and long life
- ▶ Fast assembly (partial pre-assembly)
- ▶ Standardized systems; object-related planning

FSS201

Series FSS can support all kind of orientation (Portrait and Landscape) and can be design for optimum tilt angle.



FSS201-2PP

Portrait orientation with 2 panel support

Item number

FSS201-2PP Mounting system with arrangment of 2 portrait panels with inbetween post span 2.4mt



FSS201-3PL

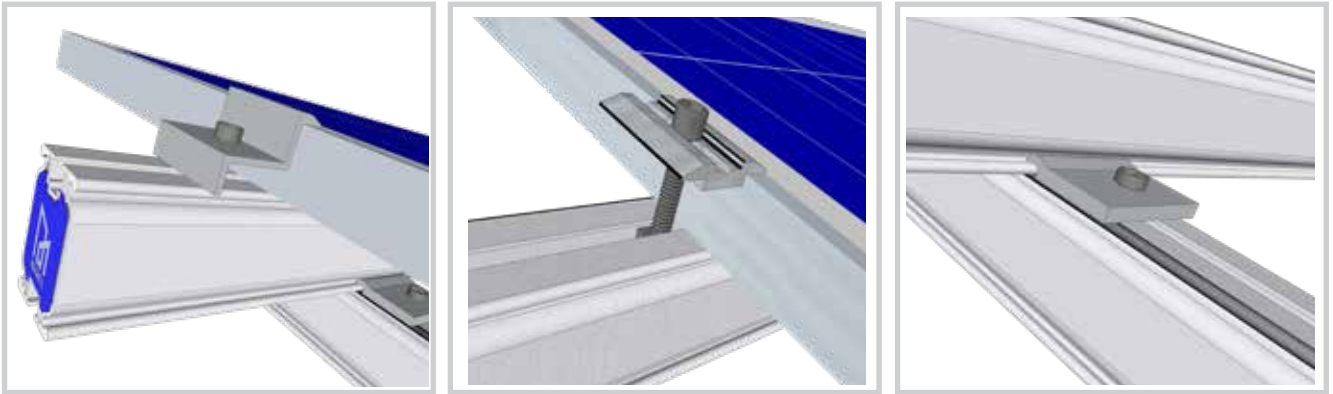
Landscape orientation with 3 panel support

Item number

FSS201-3PP Mounting system with arrangment of 3 Landscape panels with inbetween post span 2.4mt

One table is assembled by 4 base structures connected to each other with the horizontal beams. Each table is designed to bear specific number of panels either landscape or portrait.

Free Standing system **FSS**



- ▶ High-quality materials (Aluminium) with high corrosion resistance
- ▶ Suitable for flat roofs up to 5° angle on concrete, gravel, bitumen etc.
- ▶ Aerodynamic designed and approved Minimum load increase with maximum stability
- ▶ Efficient tilt angle 5° - 30°
- ▶ Short installation time
- ▶ No roof penetration
- ▶ Building surface protection optional
- ▶ Extremely light
- ▶ Barriers modular convertible
- ▶ Easy expansion possible
- ▶ Optimal ventilation
- ▶ Project-based static analysis upon client request

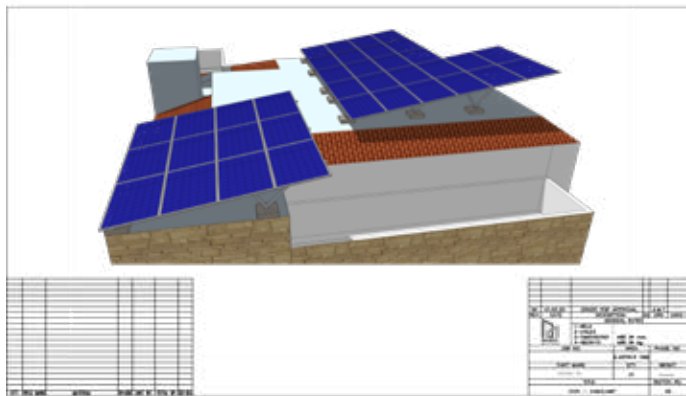
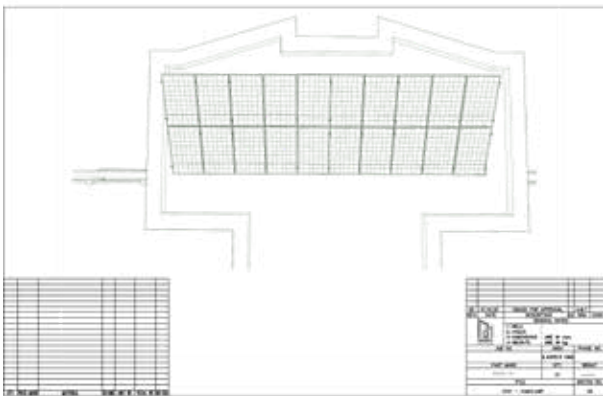
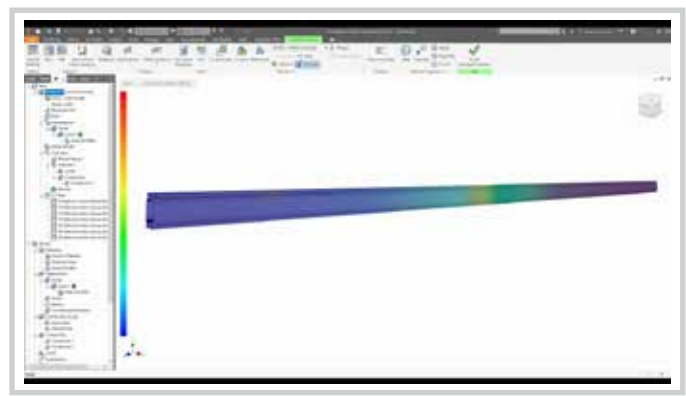
30 YEAR **UNLIMITED** WARRANTY

Pre-sales Service

Our professional team will provide you with basic product documents and systematic design methodology, as well will recommend the best mounting solution that meet your application and your criteria.

Solution Design

Our design team will provide you with satellite survey and professional mounting solution, furthermore, they could advise with full design documents and drawing for various size projects wether the mounting is systematic system or non-systematic design.



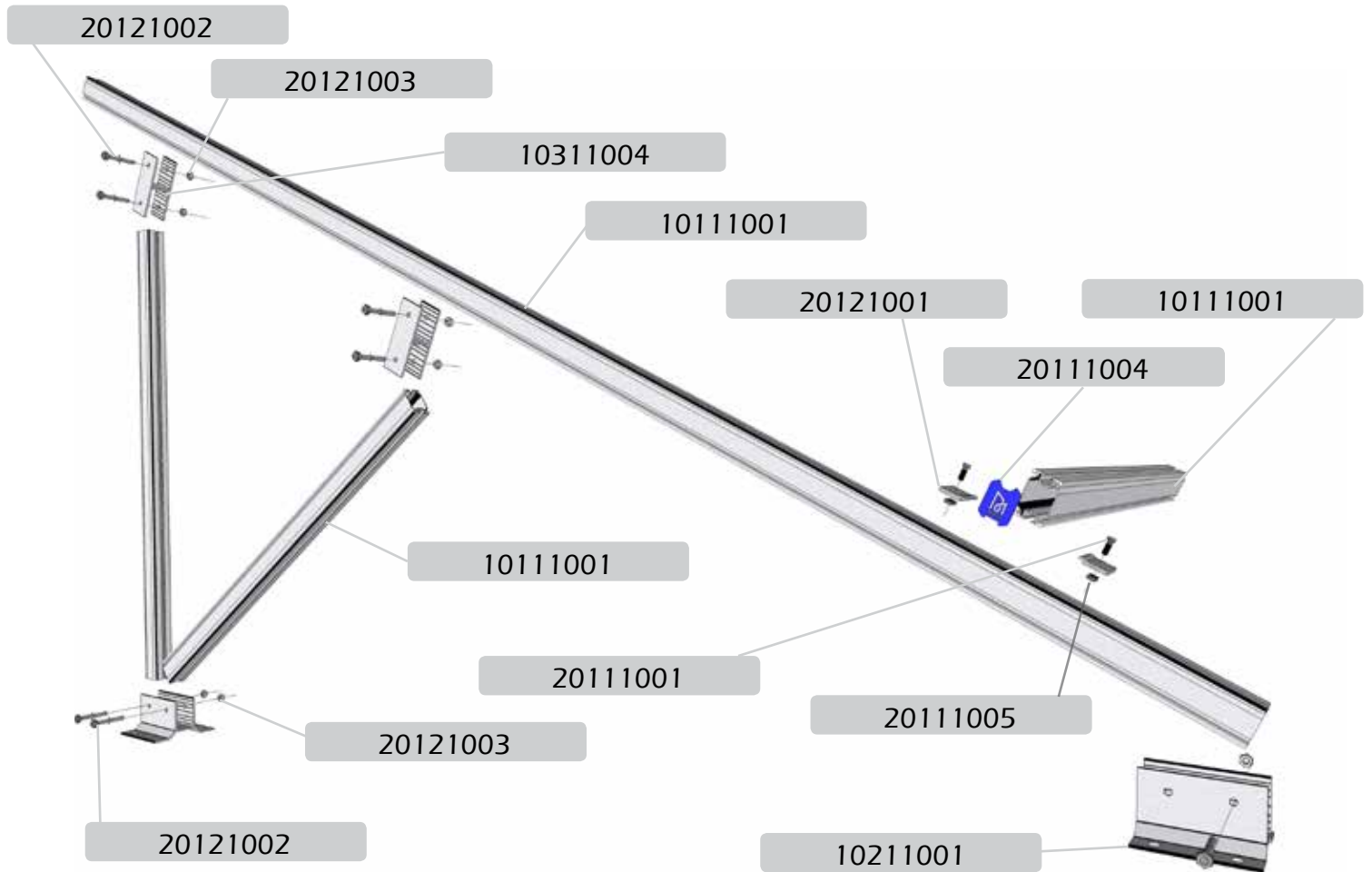
After-sales Service

Our team will also provide you with installation manual, on-line guidance and 24-hour service for our solar mounting system, furthermore, our team could install the mounting system according to standard and drawing for additional fee's.

Quality Warranty

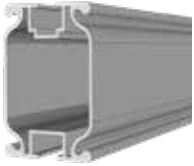
Haiakil commits to our clients with 30-year warranty and 5-year after-sales service.

Free Standing system **FSS**



connection to foundation should be positioned and aligned at specific distances depending on the typology.

landscape positioning, horizontal beams are installed at the panel edge. Distance between two horizontal beams depends on panel width.



Item number

10111001 Alu CAM size 60x40.5mm - Length 6mt



Item number

10311004 H - connector Size (152.5mm x 49.5 mm)



Item number

10211001 Base Connection to concrete 150mm



Item number

10311001 Center clamp 50mm for panel framed 32 - 45 mm



Item number

10311002 End clamp 50mm for panel framed 32 - 45 mm



Item number

10311003 Cam Clamp (Length 50mm)



Item number

20121002 Hex socket screw M8x30mm with HAMMERHEAD Nut



Item number

20121003 Hexagon screw M10x80mm



Item number

20121001 Hex socket screw M8x30mm with HAMMERHEAD Nut



Item number

20121005 HummerHead nut M8mm



Item number

20111004 Cap for CAM (10111001)

For competent and comprehensive advice in planning your system, and for questions about logistics and order processing, our employees are gladly available to you.



Haiakil

**Obour building, Salah
salem, Cairo, Egypt
+20 01063830202**

**184 Airport Road, Umm
Ramool, POBOX 35962
+971600544000**

**info@haiakil.com
www.haiakil.com**