



  
**GREEN  
METEOR**<sup>®</sup>  
*Power in simplicity*



# *Solar panels & Crops*



Solar energy is the future and is needed to meet current climate targets.  
The construction of solar parks is now at the expense of food production and biodiversity,  
because they are placed on fertile agricultural land.  
"This puts food security at risk and is therefore not desirable".

Green Meteor was established to make an essential contribution to the energy transition, by enabling the combination between the cultivation of crops under solar parks, thereby creating a dual function.

Two companies operating all over the world, with roots in construction on the one hand and in the manufacture of horticultural cultivation systems on the other, have joined forces and this has resulted in Green Meteor. The knowledge that comes together in this company means that good combinations and solutions can be found in the provision of advice/design, in-house production and placement of the chassis of solar parks.



## Design - Posting posts - Rollers - Under construction - Crops



1) First of all, a design is made based on the dimensions of the plot, where depending on the location, which crop and the AC/DC path, it is determined where the paths will run.



2) The foundation of the chassis is placed without the use of concrete.

The galvanized screw anchors are screwed into the ground fully automatically, so that the screw piles are positioned exactly at the right location, the right height and level.



3) Project under construction where the screw anchors are placed.



4) The specially designed support profile for fixing the panels is mounted on site by a mobile roller on site in lengths of up to 200 meters. produced in one piece without couplings. As a result, less transport is required and significant building hours can be saved.

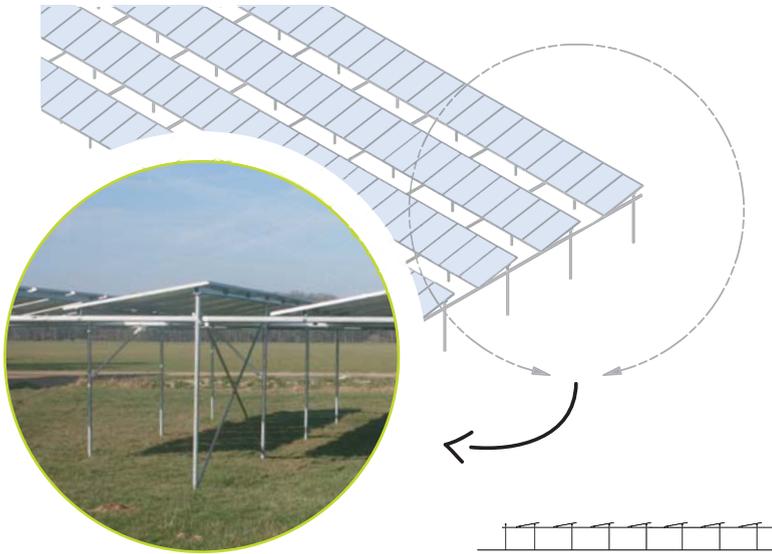




5) Easy assembly of the panels in the specially designed profile.



6) The chassis is distinguished by its extremely fast and accurate construction with a maximum height of 2.5 meters.



## *Spearheads!*

### CONSTRUCTION:

- The dimensions of the construction-design is adapted to the different arrangements of both the panels and what is needed for the crop underneath.
- The construction is not only used for mounting the panels, but also for supporting the crops or cultivation systems.
- The construction can be adapted to the various crop handling logistics that must take place.
- By using a rain gutter (part of the construction), the rainwater can be collected and used for irrigating the crops underneath. No water is wasted.
- Protection of the crops against increasingly extreme weather conditions: rain, hail and too intense sunlight.
- By using screw anchors which we screw into the ground, we can limit the depth so that archeology is less disturbed.

### VEGETATION UNDER THE PANELS:

- Double function of the land (win/win situation), no land is taken out of production.
- Biodiversity is encouraged on poor soils.
- The insect life is stimulated by sowing a flower mixture.
- Due to the free passage height of standard 2.1 m. there are many different crops to grow.
- Soil is not left "exhausted" at the end of the park's lifetime.
- The vegetation under the panels use nitrogen and CO<sub>2</sub>, which would otherwise end up in the environment.
- Because this is really green electricity, this has a positive effect on the GVO (guarantee of origin).

### INTEGRATION IN ENVIRONMENT:

- No large reflective "tables" in sight.
- The flat layout (40 cm) with single panels at height makes it easy to look underneath, which gives an open effect.
- In addition, the vegetation under the panels is also clearly visible, which also benefits the natural feeling.



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