For Marou, the project must be as efficient and practical as possible, while ensuring that the money is used responsibly. We have therefore chosen a cost-effective photovoltaic crystalline solution to harness solar energy to achieve the highest possible output.

The units will be mounted on low pitched roofs with a 16-degree angle to the sunlight and the area underneath will be used for agricultural purposes.
This will take advantage of the shaded area created by the solar panels and create a source of income and employment for the villagers. The area of the solar park needed in Marou is just the right size to create a commercial vanilla farm under it.

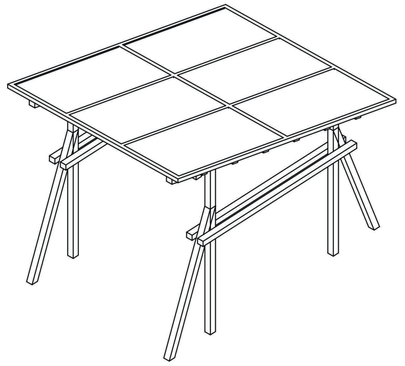
We will also collect rainwater from solar panels.

The supporting structure for the roofs supporting the solar panels is made of mahogany.

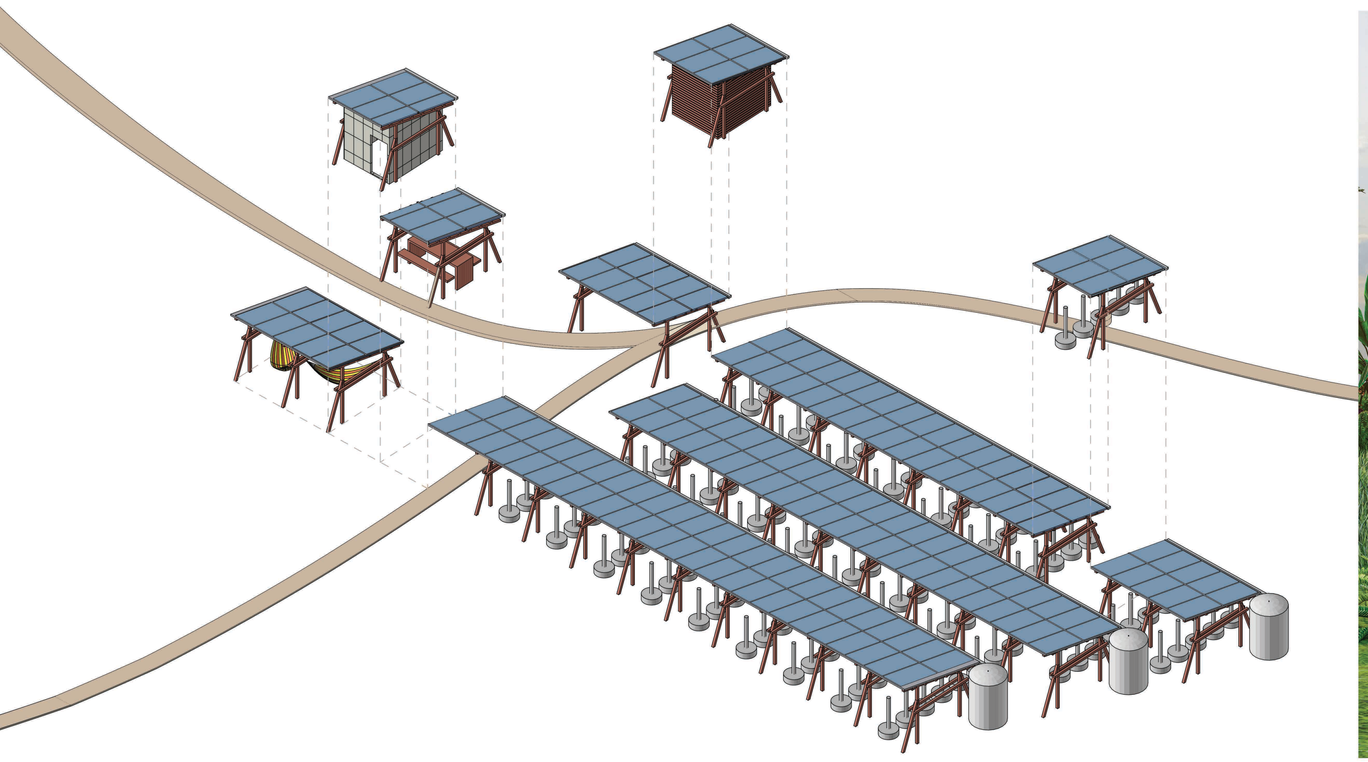
A piece of the roof and the supporting structure form a single unit, which are assembled side by side to form the vanilla farm. These units also create additional necessary spaces for the workers, such as a dining area, rest area, tool storage, water purification and water intake area.

There is also the possibility of creating a unit that will give tourists and school groups visiting as part of an educational program an insight into the life of the vanilla farm and the operation of the solar park.

To serve the solar panel system, the storage units can also house the necessary inverter and battery, as well as a tank for the collected rainwater.



one unit



one unit

vertical vanilla farm

tool storage

dining area

rest area

water intake area

inverter and battery