



The central building has two levels: the lower level houses the mechanical room, the water collection tank, a multifunctional water block and agricultural storage. The upper level is open and can be used flexibly as a community space, training area, processing area or temporary accommodation. The roof structure is a solar panel array on lightweight lattice supports, which both generates electricity for the main building and captures and collects rainwater for the tank.

Each of the production plots connected to the main building has its own solar roof. These structures also function as stand-alone units: they provide energy for agricultural activities, while providing shade and water to the land below. The two solar panel systems - on the roof of the main building and above the agricultural plots - complement each other in their community and production functions, while forming a spatially distinctive unit on the hillside.

