

Spanish home with off-grid power supply

Aracena, Huelva province



The **residence** and **artist's studio** is located in the hills of Huelva province. Due to the isolated location, it was necessary to build up a **one hundred percent independent island** solution. Solar power and energy stored in GREENROCK saltwater power storage are supplying the living and working place.



36 photovoltaic panels with **300 Wp** and a total capacity of **10,8 kWp** deliver the necessary energy during the day. During the night hours the supply is guaranteed by saltwater energy storage system GREENROCK. In the first project stage, a **storage unit of 20 kWh** was installed. In an upcoming construction phase the system can be **extended to 40 kWh** storage capacity.

The **saltwater energy storage system** works in a **wide temperature range**. The battery is working from **-5 ° C to 50 ° C**. Therefore, installation in a simple hut directly under the solar panels could be realised.

Safe, environmentally friendly and **independent**, the GREENROCK storage system ensures supply to the isolated home. Sun and salt water serve as the perfect source of energy.

