





GENERAL INFORMATION

-  CASTELLÓN (ESPAÑA)
-  PRESSURE DROP: 11 METERS
-  FLOW: 5,6 LITERS/SECOND
-  GENERATED POWER: 215W
-  SELF-CONSUMPTION BATTERY CHARGING TURBINE

BACKGROUND

On this occasion we are faced with a private client who has an isolated house without access to the electricity grid. Taking advantage of the fact that a small tributary of water runs through your farm, it is intended to provide the home with electricity with one of our hydraulic microturbines. The client has also valued the installation of photovoltaic panels as an alternative, but he likes the micro hydro turbine more as it can generate power 24 hours a day and 365 days a year.

THE SOLUTION

Thanks to the installation of the water turbine, 100% of the home's energy demand is covered. Being able to generate energy 24 hours a day, you need a much smaller battery bank than if you opted for a solution with photovoltaic panels, which translates into significant economic savings in terms of maintenance. The installation is complemented by an inverter and also the client can see the operating parameters of the turbine from his own mobile.