



GENERAL INFORMATION:



JAEN (SPAIN)



NET PRESSURE DROP: 8 METERS



FLOW: 2x100 LITERS/SECOND



POWER: 2x5 kW



USE OF THE ENERGY: GRID TIED SELF-CONSUMPTION

BACKGROUND

The client contacts Powerturbines since they have a rural hotel with a hydroelectric system available that is currently in disuse. In the hotel complex there is great energy consumption, so a solution is sought to lower the electricity bill.

THE SOLUTION

Thanks to the installation of two turbines in parallel of 100 liters per second each, it is possible to generate 10 kWh and lower the electricity consumption of the complex. 2 units are installed in parallel since it is intended to modulate the flow depending on the seasonality of the year. The installation is monitored at all times through the turbine inverter that is connected to the Wi-Fi network of the hotel complex.