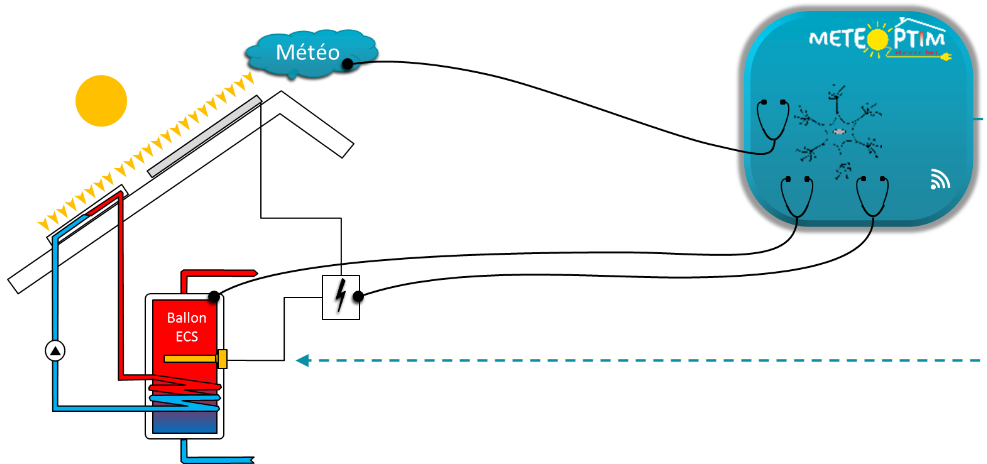


Company : founded at the end of 2018, METEOPTIM aims to develop monitoring and optimization solutions for **solar installations**. In a context of the development of **self-consumption**, our conviction is that the use of weather information is an important lever, making it possible to control energy consumption more intelligently.

Our **first product** - under development - is a box connected to the **domestic hot water (DHW)** tank. Powered by solar energy or by non-renewable back-up energy (electricity, fuel, gas, etc.), the DHW tank is in fact the **house's first energy storage device**.

Limiting the use of back-up energy to what is necessary, taking into account household consumption habits and future solar gains, can save up to **30% in self-consumption**.



- Self-learning box (**neural networks**) and very easy to install
- Suitable for **thermal, photovoltaic or hybrid** solar installations
- Main functions: **monitoring** the installation and **reducing** the electrical back-up

Mission : within METEOPTIM, the mission of the R&D engineer will be to develop and test the algorithms that will be integrated into this box, namely: knowledge models and self-learning algorithms. To do this, he/she will use the data acquired, on a dozen installations, by the first prototype.

Profile : we are looking for a young PHD, who has just defended his thesis on Machine Learning techniques, if possible with an industrial application. He/she will have to master Matlab and the usual programming languages (C, Python), and demonstrate autonomy and commitment.

Conditions : based in Aix-en-Provence, gross annual salary : 40 k€

Desired start in September 2020