

DO NOT REPLACE JUST HAVE A

BRAIN



THE NEW **INTELLIGENCE**
FOR HVAC SYSTEMS

BRAIN by Tree Solutions

The name given by Tree Solutions to the Artificial Intelligence solution for heating/cooling.

GAS EFFICIENT

Also functional on systems that are the most critical and expensive, without large investments!

READY TO USE

1 day installation with system running. You have a much shorter payback time compared to the replacement of the system.

COMFORT ALL AROUND

Increase in well-being, detected on several levels: better heating/cooling, reduction of emissions, reduction of consumption.

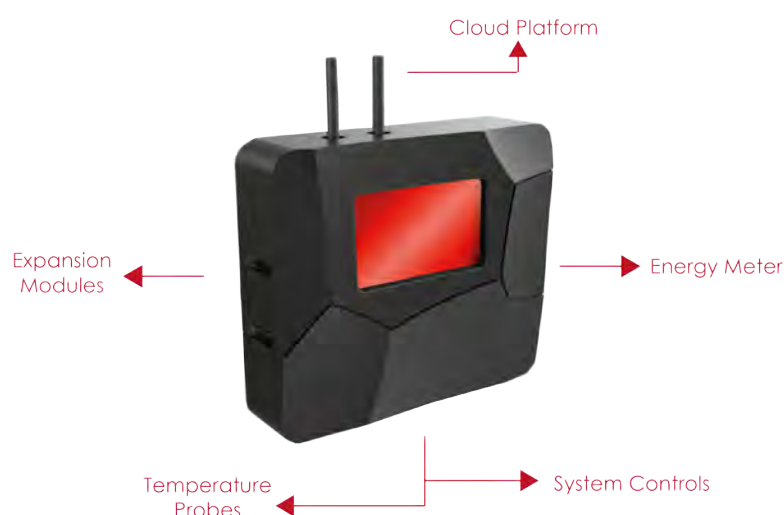
TREE SOLUTIONS

Energy efficiency manufacturer and innovation partner to manage solutions in thermotechnical field.



Tomorrow's technology applied to today's structures

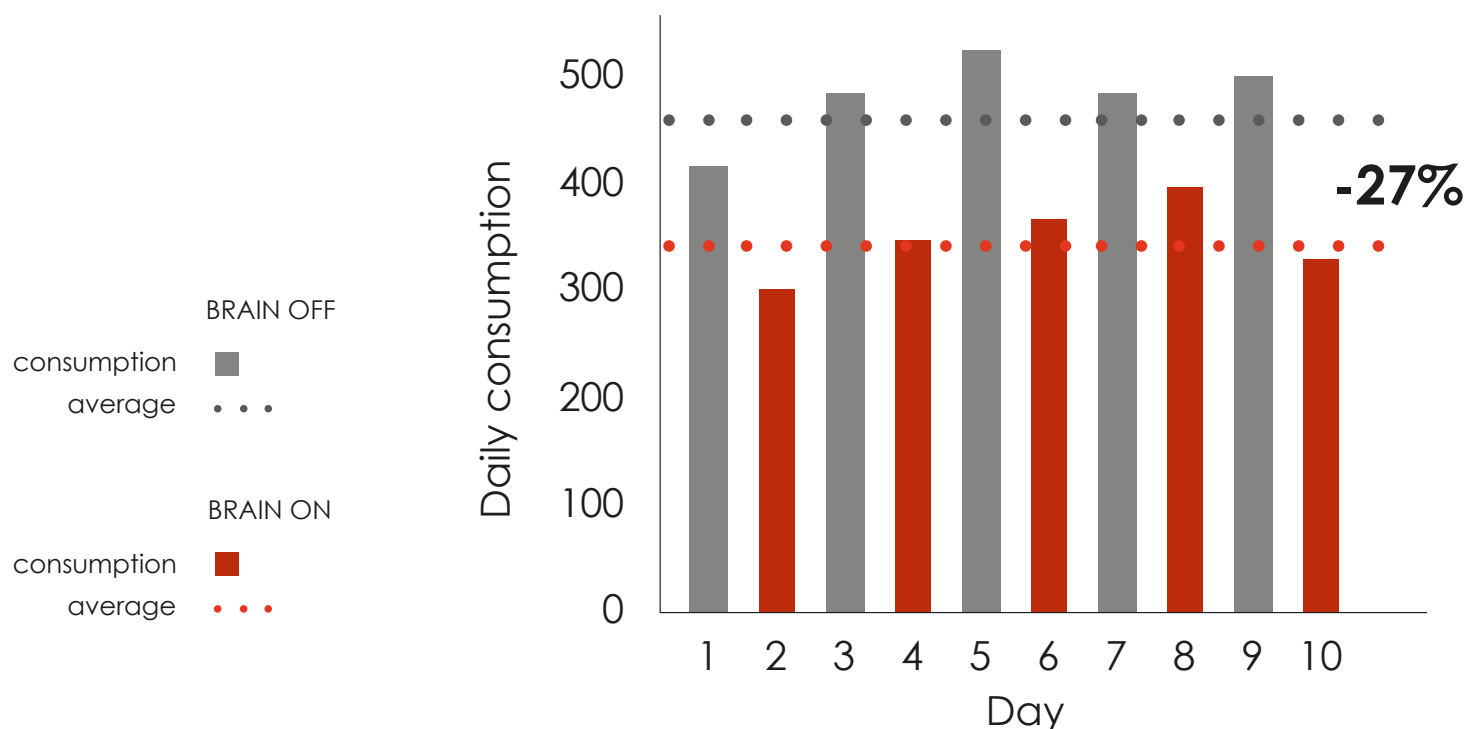
BRAIN by Tree Solutions is the **Artificial Intelligence** solution, already winner of the Milan SMAU award for innovation, that uses **Cloud Computing** to increase **energy efficiency** of heating systems.



Remote Control and **Machine Learning** allow you to increase the efficiency of the system, thus reducing emissions and consumption to a minimum. The recent integration with **IoT** probes also allows you to adjust and **maximize comfort** even more. The BRAIN by Tree Solutions' **Cloud Platform** also makes it possible to constantly monitor the system and the results obtained, generating valuable information for ESG management.

Tree Solutions gives certainties to its customers, guaranteeing **10% minimum savings** actually measured on the customer's system. Several **"on-off" tests** already performed show higher results, with **30% savings** often achieved.

You don't have to wait for these results: **efficiency** is achieved **immediately**. BRAIN by Tree Solutions can be installed in few hours, and is immediately in function! The **reliability** of BRAIN by Tree Solutions is given by direct measurements on the **customer's system**, which is the only satisfactory benchmark of energy efficiency and economic savings.



Application: medium to large HVAC systems

BRAIN by Tree Solutions is installed on all air conditioning systems that **heat** or **cool** an entire building. The optimization takes place on all types of systems: gas, electricity, district heating, heat pumps and on their heat energy diffusers.

BRAIN by Tree Solutions can also be used to make **domestic hot water** management more efficient.

Here are some examples of the main buildings that can benefit from this solution!



Schools



Health residences



Offices



Industrial buildings



Apartment buildings



Sports centers



Public institutions



Historic buildings



Shopping centers

Tree Solutions

Tree Solutions is a team full of Italian talents of engineering and software, born in 2013 and part of PoliHub of Politecnico di Milano, the first hub of **technological innovation in Italy**.

The goal of the company is to develop new solutions for the **efficient use of energy** and promote **environmental sustainability**.

To achieve better results you have to take new paths: Tree Solutions thinks up and increases **innovative technologies** to manage energy with intelligent solutions **easy to apply**.

The future sees Tree Solutions also committed to managing the **Big Data** of **HVAC** world, to make a complex universe simple and functional.



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