IMI Hydronic Engineering **+** enerbrain®

TA-eSmart

When **precise control** leverages **intelligence**

Air conditioning and ventilation systems consume **20% of the world's energy***.
These systems are often obsolete, leading to energy inefficiencies,
high carbon emissions and frequent breakdowns.

TA-eSmart

1 solution
for the entire portfolio

15-20%
energy savings

Comfort time
increased up to 90%

1-day installation
for a AHU

The new **energy optimisation module** is the result of the synergy between IMI Hydronic Engineering's equipment and expertise, combined with Enerbrain's IoT intelligence.
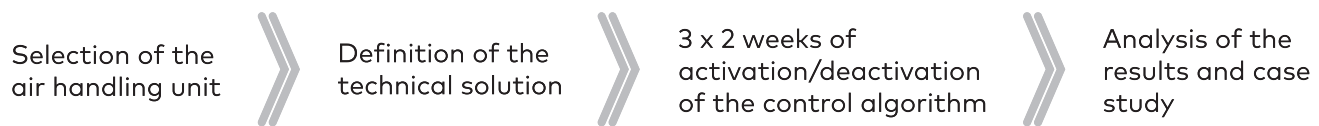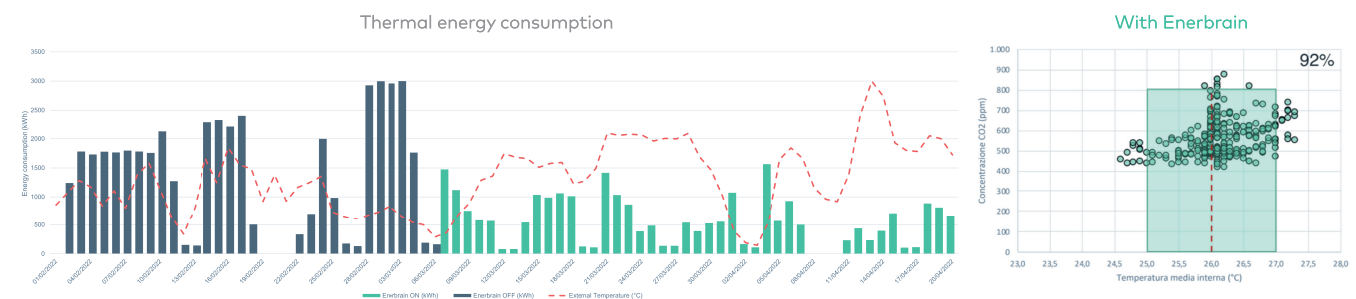
*Source: European Commission EPBD (point 6, pp1) & US Department of Energy's "Buildings Energy Data Book"

The solution

1. **Analysis of the hydraulic system and subdivision of the installation into thermal zones**

2. **Installation of sensors and supervision tools**
   (metering valves, ambient sensors, electricity meters)

3. **Installation of automatic control boxes connected to the Cloud, optimising set points**

The pilot installation

We would like to demonstrate the **benefits and results of the TA-eSMART solution** by testing it over a period of 3 months. The study will be divided into two phases: a first phase to test the existing BMS system, followed by a second phase to monitor our new algorithm.

Thermal energy consumption

With Enerbrain

Selection of the air handling unit › Definition of the technical solution › 3 x 2 weeks of activation/deactivation of the control algorithm › Analysis of the results and case study

Contact us

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