KET's HLPS – Hotel Leakage Prevention System

The HLPS system that functions similarly to the room key cards that turn off electricity in hotel rooms when the key card is removed. The HLPS unit is a battery-less IoT control valve that allows monitoring the water consumption per room or per area. This unit closes the water supply when a hotel guest leaves the room, and at the same time, the monitoring allows to locate water leakages or damages to the water system. Water damages cost hotels up to five percent of their annual revenue, so given this, together with locking the water supply when the rooms are vacant, the HLPS will allow immense savings in water expenditure and the system contributes greatly to making tourism in the MED more sustainable.

KET's HLPS box includes the valve that will be installed on the water supplying pipe in the room. The boxes will be installed throughout the hotel and data on water consumption will be sent via the segment in the box to a centralized unit where the water consumption can be monitored.

This technology has great potential to substantially reduce water consumption and discover leakages and water infrastructure damage, and to make tourism in the Mediterranean area more sustainable. The impact can go far beyond, as this technology can serve also in any other compounds, such as city halls, youth centers, and more.