



GREENinMED

Information Pills


The GREENinMED project aims to serve the hotel industry by fostering the introduction of available or new technologies to become more efficient in water and energy consumption.

GREENinMED project partners will prepare “information pills” about interesting technologies or new devices that may help hospitality companies gaining sustainability in order to better disseminate these solutions among MED companies and partners. Here, we present two examples-


Information Pill 1

Water & Energy
Greywater treatment by living wall and green roof systems
Wastewater reuse, energy saver

Integrated Grey Water Treatment (GWT) using green building vegetated structures provides buildings water recycling and urban cooling to conserve water and reduce energy requirements. Vegetation in living walls and green roofs are passive methods for energy savings in buildings. Integration with the GWT system fulfills the vegetation's water requirements that water scarce arid regions generally lack, while offering simultaneous water treatment.






Living wall




Potential Use in Hotel Industry

- Grey Water Treatment
- Passive cooling
- Improved air quality

Disadvantages	Advantages
Knowledgeable personnel required for site-specific installation	Cost-savings from energy and water conservation
Specific light requirements	Aesthetically appealing
May require additional ventilation	Long lifespan and low maintenance
	Minimal component replacement
	Improves air quality
	Increases property value

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Information Pill 2

Water

HydroSense Device

Wireless Water Monitor

HydroSense is a low cost, accurate, small size, low power, wireless device for monitoring water use from hotel room showers, which wirelessly transmits hotel guest water usage data. HydroSense promotes an increased awareness of water conservation practices among hotel guests, helping to reduce potable water consumption for hotels. HydroSense will also reduce energy use by decreasing the energy demand of hotel hot water heaters.

Disadvantages	Advantages
Limited to water monitoring of showers	Minimal energy and maintenance requirements.
Automatic connection to a central database is still under development	Investment savings from reduced water and energy consumption
Newer technology.	Compatible with existing infrastructure
	Low cost of implementation
	Powered via solar or hydrogenation

Potential Use in Hotel Industry

- Monitors individual guest water usage in showers
- Water conservation
- Energy conservation
- Public awareness
- Includes a smartphone app for guests

We hope that these technologies will assist hotels to increase efficiency and reduce cost.

GREENinMED team

