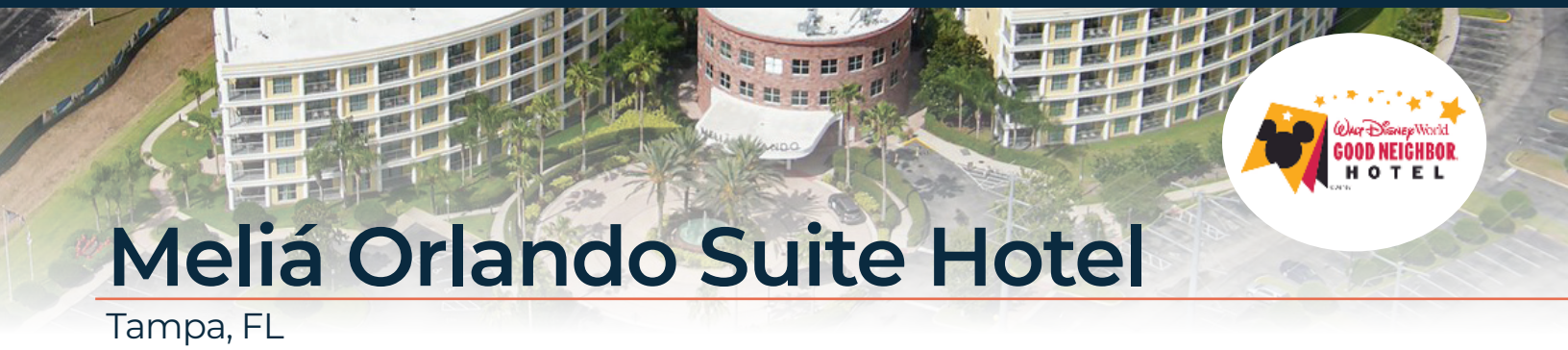
Flow DYNAMICS

Brains for your water meter™

CASE STUDY



Meliá Orlando Suite Hotel

Tampa, FL

14% MAIN LINE SAVINGS

29% IRRIGATION LINE SAVINGS

after **SMART**VALVE™ installation

Annualized Savings

$13,382.00

Return on Investment

12.7 Months

Solution Benefits

Correcting water meter measurement by reducing over-spinning

Decreasing water consumption by regulating flow with an insignificant change in pressure

Minimizing "air slug" or pockets of air in the water line

Scientifically proven by engineering research studies

For more information, please contact:
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In an effort to meet corporate sustainability goals, Meliá Orlando Suite Hotel at Celebration, conveniently situated minutes away from Walt Disney World Parks, Sea World along with Universal Studios Orlando, has implemented multiple "green" technologies that reduce energy and water usage to help protect our fragile environment. With the help of energy efficiency consulting services from Gone Green Earth, Meliá successfully installed two patented **SMART**VALVE™ solutions.

The Solution

After careful analysis of the plumbing distribution system in the complex, the plumbing technicians installed the patented valve on both the hotel irrigation line and the main water line in February of 2017. Savings of 29% on the irrigation line and 14% on the main water line was immediately realized. All of this was accomplished without a change in water pressure being detected by the guests.

How it Works

SMARTVALVE™ is an innovative patented product designed to improve water meter accuracy and achieve water conservation. Installation of **SMART**VALVE™ on the owner's side of the meter set will reduce consumption readings, thereby reducing monthly water & sewer bills. **SMART**VALVE™ is specially designed to maintain PSI at a constant level throughout the water distribution system. Flow speed is varied, keeping head pressure constant. As a result, water meter readings for non-volumetric applications will be reduced anywhere from 10 to 35%. The **SMART**VALVE™ solution creates a solid back core of pressure to reduce air pockets and increase meter accuracy. If high line pressure exists, it is also a pressure reducing valve protecting all of your downstream components and eliminating meter "spinning".

"After Gone Green Earth analyzed our meter and water delivery system, the SMART VALVES™ were seamlessly installed and the solution was undetected by our hotel guests. The valves continue to work perfectly while decreasing our water and sewer costs by a combined 19% annually on the main and irrigation lines."

- Franco Pedone, General Manager