

## SOLUTION PROCESS - FOSSIL

# GREEN BUDDY

## Product Overview



The name green buddy defines a measuring device which is built to optimize the use of electricity. This is a connected electricity meter that measures and transmits information about the electricity consumption of the building or apartment in which it is installed. Most smart meters provide time series data with a resolution of a few minutes to hours.

## FEATURES

**Accurate monitoring:** Smart meters play a crucial role in offering timely feedback to both individuals and businesses regarding their energy consumption. Studies have highlighted the substantial impact of this real-time information on inducing behavioral changes in energy usage.

**Demand response:** The advent of smart meters facilitates the implementation of demand response programs. In these initiatives, consumers are incentivized to curtail their energy usage

during peak periods. This proactive approach helps utilities minimize the necessity for costly and carbon-intensive infrastructure, primarily designed to meet peak demand.

**Renewable energy integration:** With the ability to provide instantaneous data on energy demand and supply, smart meters empower utilities to effectively balance the grid. This ensures the efficient utilization of renewable energy sources.

**Energy Efficiency:** Smart meters serve as valuable tools in pinpointing areas where energy is being squandered or used inefficiently. The insights derived from smart meter data contribute to reducing carbon emissions and fostering a more sustainable energy system.