

UtiliPulse: The automated utility monitoring system

Efficient utility usage is another important component of Total Plant Management which focuses on plant efficiencies and maximum performance.

The UtiliPulse plant and utility monitoring package enables management to monitor on a real time basis, any number of customized utility metering points to track consumption within a plant. The UtiliPulse package includes monitoring hardware for any customer-supplied meters.

There is a wide variety of information that can be monitored, tracked and reported, to help improve plant performance and lower utility costs. With a very attractive payback for the investment, typical resource monitoring includes:

- Total water consumption
- Total natural gas (or fuel oil) consumption
- Total electrical consumption
- Inlet and outlet temperatures on both sides of a wastewater heat reclaimer
- Water meters on individual washers
- Gas meters on individual dryers
- Total hot water consumption and temperature
- Total tempered water consumption and temperature
- Total wastewater discharged
- Boiler stack gas temperature



Water meters on individual washers monitor waster usage by machine

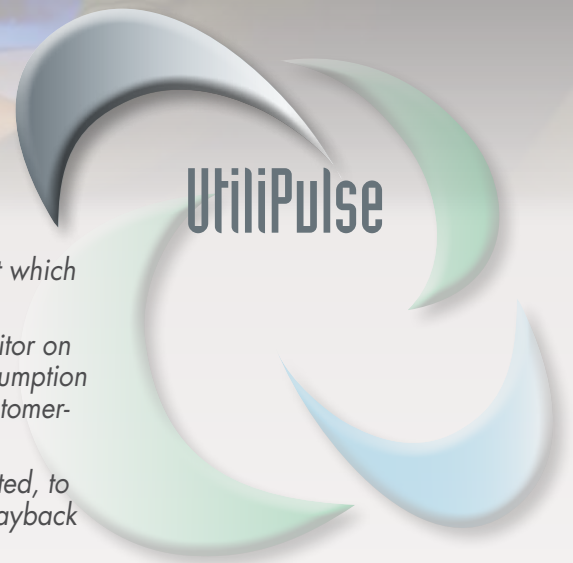


Monitor total water consumption as well as hot and tempered water consumption

UtiliPulse hardware is used to monitor any customer supplied meters



Lower utility costs by tracking gas consumption on individual dryers and making adjustments for inefficiencies



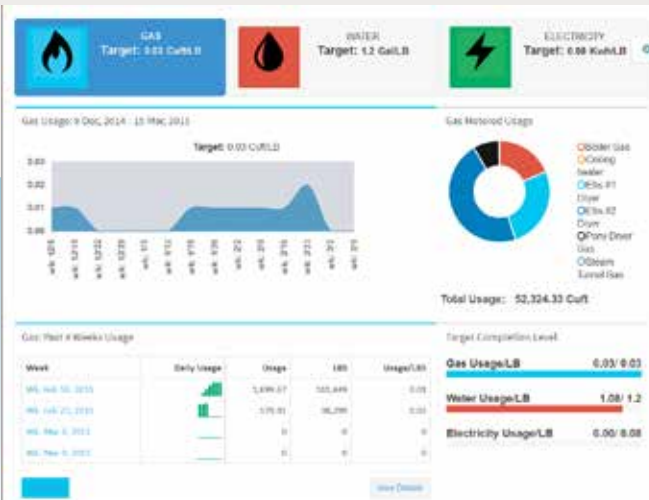
The UtiliPulse monitoring systems provide both real time status and historical reporting for complete control of key plant processes.

Alert	KPI	Value	Calculation
Value of KPI	Associate Productivity	95.5%	(Efficiency = 92.33) + (Work Hours = 192.53) / (Avail Hours = 208.53) * 100
Value of KPI	Overtime(%)	0.0%	
Value of KPI	IPOM	95.0%	(Efficiency = 89.0) = (LBS = 2410.00) / (Shift Tot Hrs = 125 + Shift Tot Hrs = 111 + Shift Tot Hrs = 6)
Value of KPI	Bot Sort Productivity	91.5%	(Efficiency = 91) - Round of (Landed Hours = 23.62) / (Measured Hours = 25.81) * 100
Value of KPI	Utility Electric(KWH)	1.0%	Electric Consumption (8.08) = Round of (LBS = 2410.00) / (Total Count = 2800)
Value of KPI	Utility Gas(Cubic FT)	1.0%	(Gas Consumption = 122.87) = (LBS = 2410.00) / (Total Count = 171)
Value of KPI	Utility Water(Gallon)	94.1%	(Water Consumption = 914.50) = Round of (Total Count = 1021940.00) / (LBS = 2410.00)
Value of KPI	Wash Axis	193.5%	(Wash Room Production = 163.528) = (Weight = 21010) / (Total Hours = 12.12) * (1) / (Standard Value = 1060) * 100

Email alerts for utility and production metrics



Real Time Display



UtiliPulse Dashboard



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