



Online energy monitoring



Configurable tariff management



Multi-fuel meter monitoring

Online energy monitoring solution

eWatch 100 is a web based state of the art real-time data acquisition, monitoring and software for effective management of electrical systems by any electrical (electricity) and/or non electrical (heat, water & gas) business user in an industry. The software communicates with MODBUS supported energy meters to acquire online data, processes the data and displays the data in tabular, gauge, graphical or mimic views as per user choice.

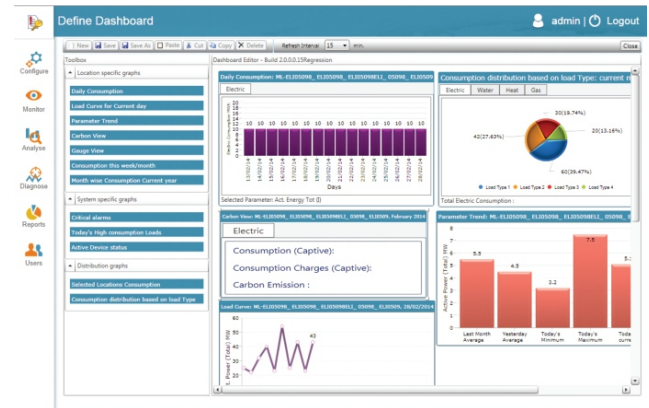
Its enriched alarm engine, dash board & reporting tool facilities help the user to take decision proactively, thus eliminating any harmful events in the electrical or non-electrical system. The system also supports billing analysis for main & auxiliary supply. Further, the system helps the user to analyze carbon emission based on energy consumption.

Application

- Industrial and commercial sub-metering applications
- Building management and monitoring systems
- Entities engaged in energy certificates, carbon credit and ISO/green building
- Generating power plants
- Open access industries

Benefits

- Online energy monitoring & cost analysis
- Enables entities to drive energy efficiency, reduce cost and carbon footprint
- User configurable dashboards using drag and drop wizard for multiple users
- OPC server to provide online data to external system software
- Single system to support up to 1000 meters of multiple makes including dual register meters
- Web based software (works on Intranet)
- Easy implementation through client-server architecture
- Helps to monitor & compare trends of different locations
- Helps to set targets against which consumer can monitor utility use
- Configurable alarms for instantaneous parameters with high and low threshold limit
- Single point acquisition for multi fuel data (electricity, heat, water and gas)
- Easy installation



Features

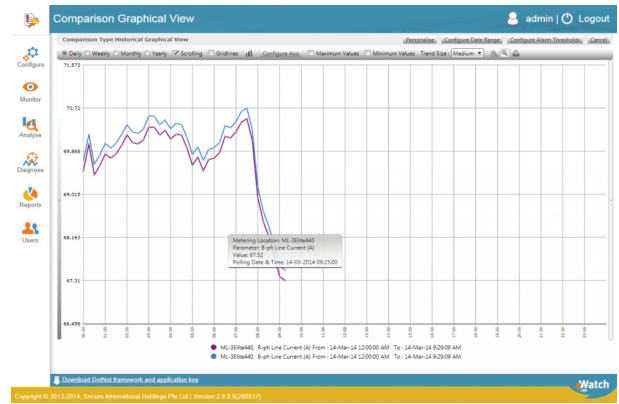
- Online data acquisition over RS 485 MODBUS & TCP/IP
- Multiple on line viewing options such as tabular, configurable gauge and graphical, dashboard & mimic
- Flexibility to define dynamic tariff structure to analyze energy cost
- Carbon emission analysis based on type of energy consumption
- Flexible reporting options for energy consumption, demand report, virtual metering report, min-max parameter report and meter replacement report
- Automatic daily report generation and e-mail to assigned user for electrical meters
- Organized storage of the collected data for the future use with auto & manual clean-up facility
- OPC (server version std. DA V2/V3) data communication support
- Supports multi-fuel monitoring for heat, water & gas meters through pulse output
- Facility to monitor & analyze multiple locations under single view using virtual meter concept
- Active mimics configurability with drill down mimic feature
- Separate bill analysis for mains and auxiliary
- Shift wise production data entry to generate specific energy consumption report
- Automatic bulk metering information import through excel import



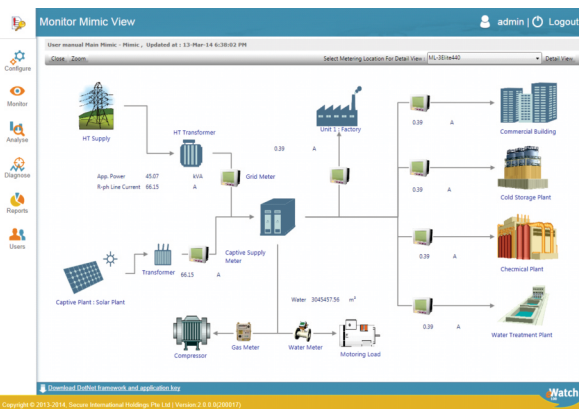
Carbon view



Graphical views



Mimic view



Energy bill report

Energy Charges Details		Auxiliary Supply Charges		Bill Summary	
Parameter Selected	App. Energy - Act. Ener.	Parameter Selected	From- To Reading (kWh)	Energy Charges	2174.14
From Reading (kWh)	276442.93	From- To Reading (kWh)	0 - 0	Standing Charges	210.8
To Reading (kWh)	279513.23	Rate	7	Demand Charges	125.85
Energy Consumption (kWh)	3070.3	Consumption (kWh)	0	LPF Charges	0
Type of Rate	StdBased	Auxiliary Supply Charges	0	Demand Violation Charges	0
Rate	8 - 58 (4)	Carbon Levy Charges	0	Carbon Levy Charges	18421.8
50 - 100 (5)		Auxiliary Supply Charges	0	Auxiliary Supply Charges	0
100 - 150 (4)		LT Charges	0	Meter Rent	90
>= 150 (7)		Energy Export Charges	0	LT Charges	1404.98
		Act. Energy Tx.	0	Additional Fixed Charges	76
		From Reading (kWh)	7405.98	VAT or E-Tax	3328.88
		Rate	9	Total Bill	44953.45
		To Reading (kWh)	0		
		Consumption (kWh)	0		

Selectable modules

- Virtual metering
- Dashboard view
- Alarms
- Multi-fuel (gas, water, heat)
- Mimic view
- Production data
- OPC compatible
- Billing
- Carbon footprint
- Historical view
- Email reports
- Third party support

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