



## Advanced Energy Monitoring Which is Simple to Install and Easy to Understand

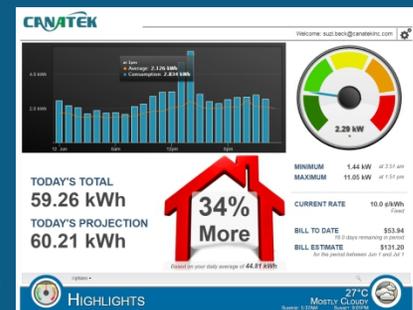
The Canatek Energy monitoring platform is a state of the art, online energy monitoring system for which there are no associated user fees. With our first systems entering the marketplace in 2012, during the past five years our systems have evolved into the versatile, feature rich product we have today. Our made in Canada products offer outstanding value whether you are an individual homeowner or need a complex system monitoring thousands of individually labelled loads. If you have questions, please call us toll free at 1-855-351-0144 or send us an e mail at sales@canatekinc.com. For technical matters, you may also e mail us at support@canatekinc.com.

### TECHNICAL SPECIFICATIONS

- Online energy monitoring system with information viewable on a smart phone, tablet, or computer
- 120 - 600 volts single or 3 phase
- Load Monitoring range per individual sensor 0.5 - 5000 amperes
- Uses split core current sensors (no connections need to be made or broken to install)
- Live energy usage granularity available to each second
- Historical data available graphically to each 15 minutes (every minute or raw data when imported into a spreadsheet)
- Informative graphs for easy to understand energy usage analysis
- Transmitter modules automatically form a secure mesh network for outstanding communication in large facilities
- Software allows one sensor to be used to accurately measure synchronous single or 3 phase loads
- Every sensor may be labelled individually on the platform
- Will issue alerts for energy loss or the restoration of power
- Individual sensor readings for each phase both live and over time
- System security similar to online banking
- Read only share capability for the entire system or individual loads

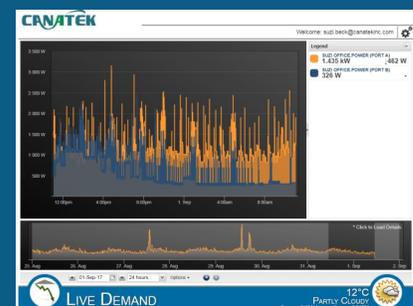
### HIGHLIGHTS SCREEN (For the Current Day at a glance)

- Total energy now for all phases with granularity up to per second
- Minimum KW demand
- Maximum KW demand
- Circular "meter gauge" showing how much energy is being used in real time
- Immediate ongoing live changes in energy up or down
- Graph showing the use of energy graphically over time throughout the day
- Percentage indication showing whether your energy consumption is up or down
- Pricing in effect from the utility (will also follow time of use rate structures)
- How much spent for energy so far in the billing period
- Estimate of how much the energy will cost for the entire billing period
- The daily total for the energy usage throughout the day
- Projection of the energy that will be used throughout the 24 hour period



### LIVE DEMAND SCREEN

The live demand screen provides you with a historical view of the demand for energy in either kilowatts or amperes. The graph is viewable in selectable segments from a period of 15 minutes to 24 hours. You are also able to see any one of the phases on the graph or all of the phases at once. By moving the pointer of your mouse over the graph, you may see the peak demand on any given phase at any moment in time.

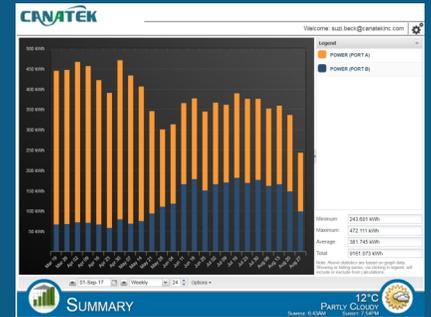




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## SUMMARY SCREEN

This screen provides a summary of per phase usage of energy over time as well as total usage. The summary of information periods are selectable for every 15 minutes, hourly, daily, weekly and monthly. Data may be displayed in kilowatt hours or the cost of energy. For each selected period, the minimum, maximum, average and total energy usage is displayed in kilowatt hours. Unbalanced loads are easily identified and corrected. This becomes a serious issue if the homeowner needs to run their home on a generator, or commercially, where utilities punish customers financially for having unbalanced 3 phase loads.



## COMPARE SCREEN

The compare screen allows the user to make a meaningful comparison related to how implemented energy saving changes have actually impacted their use of energy. This could be something as simple as changing all the light bulbs in a house to LED or a greater change such as the installation of a ground source HVAC system. In addition to the selectable time periods and informative graph, numerical data and percentages related to improvements are also provided with before and after comparisons.



## BILLING SCREEN

The billing screen is a powerful tool for having anyone understand their cost of energy throughout any billing period. Our platform will follow most utility billing structures including time of use, progressive by consumption or fixed rate. A bill to date displays the cost of energy used so far during the billing cycle and what the estimated total bill will be at the end of the billing period. Complete cost and consumption information is displayed for every day. An on screen summary of previous billing periods is provided for comparison. There are so many credible uses for the billing screen. For tenant situations, once tenants know that their consumption of energy is being monitored, overall usage of energy, typically drops in the range of 30 to 35%.



## INSIGHTS SCREEN

The Insights Screen allows you to examine your consumption of electrical energy during a selectable period and compare that usage to another form of energy such as natural Gas. The fact is, the insight screen is both informative and fun in the comparisons it makes to the use of energy in the real world compared to your particular use of energy. Example: Measure the energy your electric hot water heater uses over the period of a month and use the insights screen to determine if switching to a natural gas water heater makes sense.

