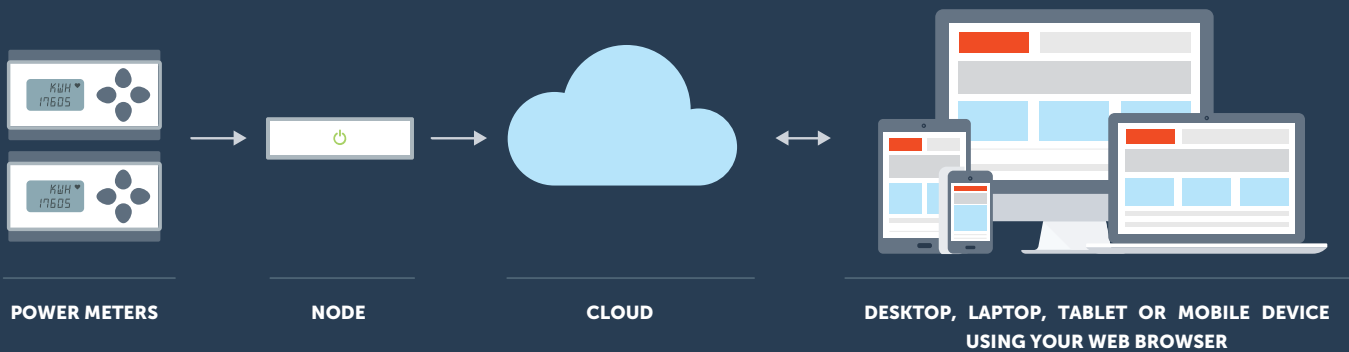


At Entronix, our focus is making easily deployable and intuitive energy management platforms for commercial facilities. The Entronix team consists of hardware, software, and application engineers from the automation industry who design, manufacture, and install the systems throughout the US and abroad. Our platform is utilized in high-rise office towers, hospitals, universities, and military bases. All our products are designed in-house and carry lifetime warranties.

The Entronix Energy Management Platform provides enterprise level, real-time monitoring of several types of sensors including, power, water, gas, and temperature. This 100% "cloud-based" system provides advanced analytic reporting to authorized personnel via their Internet-connected PC, laptop, tablet, or smart phone. Up to 32 meters at each location can be connected to a single Entronix Node to get data to the cloud. The data can be used for measurement and verification, performance tracking, fault-detection, and analytics. For redundancy, all data is trended and stored locally at the node level as well as remotely on the Entronix cloud based servers.



FEATURES

ENERGY DASHBOARDS

Dashboards are customizable for each user and include charts, graphs, gauges and data to display the following types of information:

- ▶ Total building consumption profile day-to-day, month-to-month, or year-to-year
- ▶ Cost of electricity by square footage or tenant
- ▶ Load distribution
- ▶ Energy retrofit benchmark analysis
- ▶ Weather data (degree days) vs. consumption
- ▶ CO₂ peak demand visualization and projection
- ▶ And much more-any point in the system can be placed on the dashboard

→ NODE

Entronix nodes do not require a static IP address, or any firewall configuration by the IT department. It only requires simple outbound Internet access to connect to the cloud. **Nodes have a 60 GB solid state hard drive (no moving parts) and can retain data if the Internet fails, automatically transmitting the data to the cloud once the connection is restored.** The node is based on the latest Intel / Linux connectivity product offerings.

→ DATA STORAGE

Users can access all the data to analyze past and present performance and to project future energy consumption for budgeting and planning. The node can retain over one year of data if it does not have access to the Entronix cloud via the Internet. Other than standard reports on consumption, users can create customized reports which include weather data, demand, area and occupancy, and even overlay the data over previous time periods for clearer analysis.

→ REPORTING

These reports can be generated as graphical plots, spreadsheets, PDFs, JSON files, or even raw text files. They can be run at any resolution and for any time span, for an individual meter, multiple meters, or a mathematical combination of many meters. The system can also automatically generate reports and email them to specified users on a set schedule.

→ CONNECTIVITY

Entronix nodes can connect to the Internet via Ethernet, WiFi or cellular connection. The system is secured using the most current session 256-bit encryption protocols. Any measurement device can be connected to an Entronix Node as long as it supports Modbus (serial to TCP) or oBIX protocols. The system is ready to measure electricity, gas, water, and fuel. The system is also able to connect to other automation systems via oBIX or in "pass-through" mode, where points in an Entronix Node can be mapped back out to a building automation system.

→ SCALABILITY

Entronix is an enterprise level system. Each node can be connected to 32 meters, and you can connect thousands of nodes to a single account. Nodes in a single account can span the globe and can connect through any cellular, wired or wireless Internet connection. Users can see all the consolidated information from every meter and node they have in a single location using one username and Password. Any number of meters, nodes, or users can be added to the system without any licenses or a special fee structure.

→ ALARM/NOTIFICATION

Any point in the system can be configured to send an alarm and notify users via text message or email in the event of an abnormality or fault. These types of events are also logged on the time line for easier visualization.

SYSTEM HIGHLIGHTS

EASE OF INSTALLATION - NO STATIC IP, NO PORT FORWARDING REQUIRED.

DATA PROTECTION - DATA REPLICATED IN CLOUD AND NODE. NO DATA LOST IN EVENT OF NETWORK OUTAGE.

CONFIGURABLE - CUSTOMIZE REPORTS TO YOUR LIKING, AND SAVE FOR FUTURE USE IN YOUR VIRTUAL BRIEFCASE.

AUTOMATED - SCHEDULE YOUR REPORTS TO BE DELIVERED VIA EMAIL.

FLEXIBLE - SUPPORT MULTIPLE METER MANUFACTURERS VIA INDUSTRY STANDARD MODBUS.

EXPANDABLE - SUPPORTS GAS/WATER METER, WEATHER STATIONS AND MORE VIA MODBUS.

"PASS THRU MODE" - ALLOWS 3RD PARTY EMS/BMS SOFTWARE TO CONNECT TO THE SYSTEM AND SHARE POWER DATA.

ALARM NOTIFICATION - SYSTEM CAN SEND OUT AN ALARM AS A TEXT MESSAGE OR AN EMAIL.

TENANT SERVICES - AUTOMATICALLY PRINTS/EMAILS INVOICES TO TENANTS BASED ON THEIR USAGE IN A COMMERCIAL FACILITY.

DOES NOT NEED A CONTROL SYSTEM TO GET THE DATA. **THE SOFTWARE IS IN THE CLOUD.**

NO SPECIAL PROGRAMMING NEEDED. **SIMPLY CONNECT AND GO!** METERS CAN BE ADDED IN THREE CLICKS.

CAN ADD AN **UNLIMITED** NUMBER OF METERS AND NODES TO YOUR USER ACCOUNT IN THE CLOUD.

CUSTOMIZABLE ACCESS LEVELS - YOU CAN CONTROL WHAT DIFFERENT USERS HAVE ACCESS TO.

PRINT/EMAIL/VIEW REPORTS AND LIVE DATA ON ANY MEDIA DEVICE.



entronix
ENERGY MANAGEMENT PLATFORM