

# Real Time Energy Management



## An Enabling Technology

Real Time Energy Management (RTEM) is a cutting-edge technology that continuously sends a building's live and historical performance data to an advanced cloud-based system where it is transformed into actionable insights for property owners, building managers, and tenants.

## Ongoing Commissioning

A cloud-based RTEM system continually monitors a building's systems by using advanced capabilities such as fault detection and diagnostics, predictive analytics, and performance optimization to ensure that energy is used more intelligently throughout a building.

## High Performance Buildings

You'll have a smarter building with greater appeal and marketability. Plus, the confidence and peace of mind knowing that everything is running smoothly.



### Get Empowered and Save on Energy

NYSERDA will cost share up to 30% of your overall RTEM expenses and provide you with the tools and support you need to reap the benefits of building performance optimization. Your business can save up to 15% to 30% a year on energy. Connect with a NYSERDA-qualified vendor to find the right RTEM solution for your building.



### Manage Properties Anytime, Anywhere with the Cloud

RTEM continuously monitors real-time, granular data from the cloud and transforms it into actionable information for property owners, building managers, and tenants. RTEM solutions can pinpoint a building's operational inefficiencies, identify energy conservation measures, and help justify capital improvements. Ultimately, the technology creates an ongoing measurement and verification tool to improve the asset management of your building or your entire property portfolio.



### Get Smarter By the Second

From live energy usage patterns to seasonal fluctuations, RTEM systems are designed to create the highest performing spaces. RTEM systems get smarter over time and continuously make a building's environment more efficient, productive, and comfortable. And the longer an RTEM system is in place, the smarter it gets, empowering you to make more informed, data-driven decisions. A NYSERDA-qualified vendor can help you incorporate this innovative technology into your building.

## Transform the Way You Manage, Consume, and Buy Energy

RTEM systems come equipped with powerful features and capabilities to create high-performing building environments.

- **Fault detection**—an advanced feature that detects abnormal energy consumption in a building and helps avoid energy spikes and expensive equipment failures
- **Fault diagnostics**—powerful software that continuously analyzes energy usage and equipment data to identify issues and opportunities to optimize performance
- **Predictive analytics**—combines data mining, statistics, modeling, and forecasting intelligence to analyze current energy data and make predictions about the future
- **Performance optimization**—energy usage is continuously analyzed throughout an entire building to ensure each space is optimized to its fullest potential

## The Smarts Behind the Data

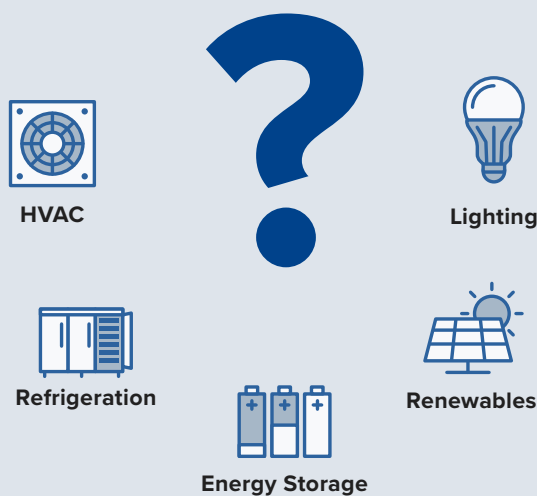
Too much data can be intimidating. An RTEM system makes data and analytics more approachable and manageable by putting them into one place. The result? A high-performing building and a competitive advantage in a rapidly evolving market.

The standards for building operations are changing and getting smarter, so don't get left behind.

## The Future is Energy Management

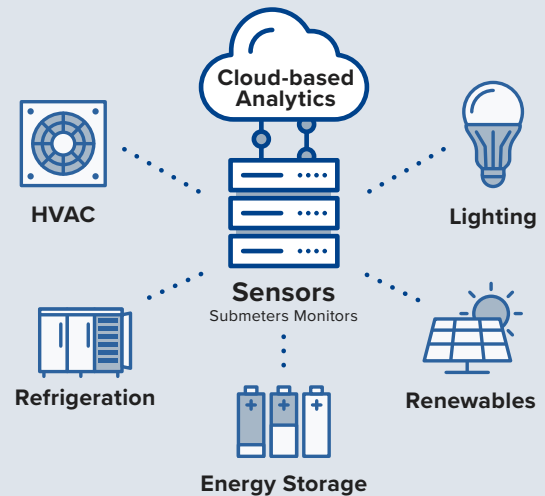
### Conventional Utility Meter

Utility bills lag 30–60 days



### Cloud-Based Metering

Real-time consumption data



## Have questions?

Get in touch with us at [rtem@nyserdera.ny.gov](mailto:rtem@nyserdera.ny.gov). We look forward to hearing from you.

## Get energy smart now.

Connect with a NYSERDA-qualified vendor at [nyserdera.ny.gov/RTEM](http://nyserdera.ny.gov/RTEM) to get started today.