

Driving home huge savings with energy management

Case Study

Company Name:
Yonkers Honda Service Center

Square Footage:
48,500 Sq. Ft.

Energy Savings Results:
370,783 kWh,
\$20,000 annually

Sector:
Commercial

Location:
Yonkers, NY

“I was able to make improvements in my facility and I didn’t need to put my own capital at risk.”

—Owner, Yonkers Honda

Background

Yonkers Honda Service Center is located in a 48,500-square-foot building in the heart of Yonkers, NY. Known as a highly successful dealership, facility upkeep and reduced overhead costs are a high priority for management. A significant part of operating expenses are utility costs, coming in as the third most expensive line item for the dealership. Understanding the underlying costs of utilities proved to be a challenge, so the owners sought a way to gain insight and control over their facility’s energy use.

Building a Strategy

JouleSmart Solutions, Inc.—an energy services company providing intelligent building solutions for the facility management market—approached Yonkers Honda with a real time energy management (RTEM) solution for increasing insight and control of energy use throughout the facility. RTEM was presented as part of a guaranteed, no-cost smart building upgrade resulting in easy-to-understand performance metrics.

JouleSmart has expertise working with smaller businesses, creating and guaranteeing the same solutions to energy management previously only offered to larger commercial companies by utilizing innovative technology upgrades at no cost to the customer. Their comprehensive solution combines active oversight, software, equipment, and connectivity to turn the facility into an intelligent building to reduce operating costs, maximize profit, increase asset value, improve employee productivity, and enhance customer experience.

Producing Results

There were several projects identified over the five-year contract period, including lighting retrofits, HVAC upgrades, and smart thermostat installation. Additionally, JouleSmart provided 24/7 maintenance coverage and transparent reporting on savings. Equipment maintenance with fault detection highlights issues and malfunctions that may require repairs or replacement, which helps guide budget planning and avoids the cost of emergency service that comes with unit failure.

In total, the upgrades will save an estimated 370,783 kWh of energy, which equates to an annual savings of more than \$20,000.

JouleSmart brings enterprise-level smart building technology to the small- and medium-sized business market using key equipment upgrades, proprietary software and the IoT to connect it all to the cloud, putting the customer in control of their environment.

Moving Forward

The data and control resulting from the RTEM upgrades puts the owner of Yonkers Honda in the driver's seat with an energy strategy, especially when it comes to securing advantages through energy suppliers. The improved lighting increased customer engagement, which is crucial for a company that prides themselves on impeccable customer relations. And as a pillar in the business community, Yonkers Honda can lead by example, sharing the project's success with other local companies looking to benefit from similar savings.

The NYSERDA Real Time Energy Management Program

Through the Real Time Energy Management Program, NYSERDA offers up to a 30% cost-share incentive to support RTEM projects that serve customers in multifamily, commercial, and industrial sectors. The program helps evaluate and qualify vendors, ensuring high-quality RTEM projects that create a smarter building or facility with lower operating and utility costs, and greater appeal, comfort, and marketability.



Discover how to transform the way you manage and consume energy with NYSERDA.

Visit nyserdera.ny.gov/RTEM