

Turning a Jewish center into a smart, energy-efficient space

Energy savings

15–20% reduction in electricity bills

Improved safety

Door alerts enhanced building security

Less manual work

Automated lighting, HVAC, and outlets saved staff time



The building overview

This active community center serves as a hub for daily classes, local services, and events. Its layout includes:



Large gathering areas
(main sanctuary, lobby, gallery)



Classrooms and
administrative offices



A full kitchen
and food storage rooms



Bathrooms and
mechanical spaces

Each area had its own energy footprint and schedule, making it ideal for ROOMSYS's targeted automation. However, like many older buildings, it lacked centralized control, resulting in inefficiencies across the board.

The problem: high waste, low visibility

Before ROOMSYS, the center's systems operated in silos. Lights were often left on. HVAC systems ran even when rooms were empty. Staff had to physically inspect doors, devices, and utilities without knowing whether anything was left running – or whether something had gone wrong.

Among the main challenges:

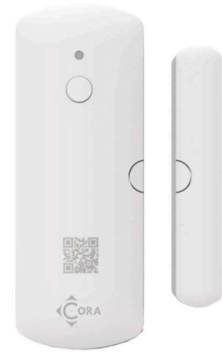
- High energy use without insights into which rooms or devices were to blame;
- Doors were frequently left open, leading to HVAC losses and security concerns;
- Manual room checks that consumed valuable staff time;
- No real-time alerts for water leaks in vulnerable areas like kitchens or bathrooms;
- A total lack of data on how rooms and equipment were actually being used.



Solution From The Roomsys

Door monitoring for security & efficiency

To address security and HVAC waste, ROOMSYS deployed Cora Door Sensors on both entrances and interior doors. These tracked open/close activity and sent real-time alerts. In one month, the Main Entrance was recorded opening 6,448 times. Now, if a door remains open for 15+ minutes, staff are instantly notified, and logs provide historical access patterns.



Outcome: Better building security and reduced HVAC loss.

Thermostat automation & HVAC control

ROOMSYS added programmable thermostats from Milesight, enabling zone-based heating and cooling. Schedules were built around room usage, and temperatures could be adjusted remotely at any time.



Outcome: Consistent comfort during occupancy and zero waste after hours.

Smart Wall Switch

ROOMSYS installed Milesight WS50x LoRaWAN® Wall Switches, enabling smart control of lights and other electrical appliances. The switches seamlessly replaced traditional wall units, allowing for remote management of lighting systems.



Outcome: Seamless lighting automation with enhanced energy efficiency.

Wall Receptacle Outlet

ROOMSYS added long-range, switchable wall receptacle outlets supporting LoRaWAN and Coralink wireless protocols, enabling remote control of lighting and equipment over extended distances.



Outcome: Remote device control with wide-range coverage and improved efficiency.

Power outlet Flux Smart AC

ROOMSYS deployed smart 120VAC 60Hz outlets with LoRaWAN® connectivity, enabling automated switching for building systems. The solution allowed for remote control and power scheduling, helping optimize energy consumption across key areas.

Outcome: Smarter energy use with automated outlet control and reduced power waste.



Light switch AuraSmart Switch

ROOMSYS added AuraSmart Switches from TEKTELIC, enabling remote and automated control of lighting systems. The switches integrated seamlessly into existing infrastructure, allowing users to manage lighting based on occupancy and scheduling needs.

Outcome: Lighting control with increased convenience and reduced energy usage.



Unified dashboard for total building control

Instead of running from room to room, staff can now monitor and control the entire building through one intuitive dashboard. It includes:

- Real-time energy use by room and device;
- Daily and monthly usage summaries;
- Historical and live door activity;
- HVAC schedules;
- Power distribution graphs;
- Switch and outlet status.

To make it even easier, ROOMSYS integrated a clickable, interactive floor plan. The main floor view shows real-time device activity in areas like the Sanctuary, Gallery, Kitchen, and Lobby. Staff can toggle switches, view sensor alerts, and navigate between floors – no technical training needed.



The results

In just a few months, the community center saw measurable improvements:



Energy savings

- 15–20% reduction in electricity bills
- Clear insights into which rooms & devices consume the most power



Improved safety

- Door alerts enhanced building security
- Leak detection prevented costly water damage



Less manual work

- No more walking the building to check switches
- Automated lighting, HVAC & outlets saved staff time



Smarter maintenance

- Device usage logs support repairs & warranties
- Energy trends reveal equipment issues before they become problems

Conclusion: big results from smart upgrades

ROOMSYS transformed this community center from a manually operated building into a smart, self-aware facility. The upgrades didn't require construction or major renovations – just smart planning, automation, and centralized control. With ROOMSYS, the staff now have the tools to manage their space more efficiently, respond to issues faster, and reduce operational costs – so they can focus on what really matters: serving the community.

Ready to modernize your building?

ROOMSYS works for schools, offices, nonprofits, and more. Whether you manage one floor or ten, we'll help you make it smarter – one switch at a time.

Make Your Building Smart

Contact Roomsyes today, safeguard your property

