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Our Client:

Centers Health Care

Use Case Site:

- One of the largest post-acute health care networks in the country, bringing together a team of highly skilled healthcare professionals from a vast array of specialties.
- Among the suite of services provided, Centers Health Care provides short-term care and long-term care alongside comfortable accommodations and refined amenities.
- Total of 102 Controlled Zones, including resident rooms, conference halls, and common areas.

The Challenge:

- 15 types of PTAC units of varying models, brands, and years in use.
- No monitoring or control in rooms. Rooms are controlled by maintenance and nursing personnel.
- Weather changes drastically, with difficult to manage cold winters, making the tenants uncomfortable and energy consumption difficult to manage and conserve.
- Strict rules in SNFs mean that all controlled zones must remain within the allowable range of 71-81 F at all times, all year long.

Our System:

Multi-Room Climate Intelligence

The Climate Intelligence Platform utilizes a network of climate nodes, connecting to all HVAC units and sensing all key parameters in every room. Applying sophisticated data analysis models and deep learning algorithms, the fully integrated system maximizes climate comfort while minimizing the workload of heating & cooling systems, optimizing operational workload, and significantly reducing energy consumption.

"Airkind has installed sensors and a control system on our HVAC and PTAC units in 2 Nursing Facilities. This included smart climate control, and a central monitoring platform.

The service was fast and the team was responsive. implementation was easy and included hands on guidance.

They met expectations from a service and financial side. Our ROI was reached as planned and we continue to see savings on a monthly basis."

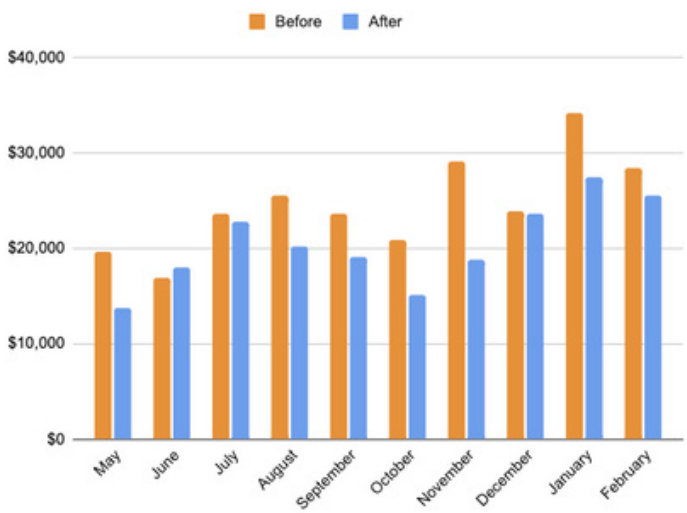
-Avi Katz, Director of Contracts and Vendor Integrity

Climate as a Service:

With the Climate intelligence solution, Airkind was able to save $41,400 in the cost of energy in the utility bills, and 115,800 kWh savings in electricity consumption.

- **Total Cost Savings: $41,400**
- **Total Electricity Savings: 115,800 kWh**

Electricity Costs Before & After Climate Intelligence (10 months)



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Features & Benefits:

- **No capex.** No capital expenditure. Fixed Climate-as-a-Service monthly fee, enabling product to pay for itself.
- **Compatibility.** A climate node network, that can connect to and control all end-units: fan coils, heat pumps, PTACs, etc.
- **Plug & Play, seamless installation.** A very quick installation that can be executed in the time it takes for a room to be cleaned.
- **Behind-the-scenes automation.** Sensing, learning, and automating climate comfort in every room. Demonstrated energy savings- **up to 45%**- without compromising climate comfort.
- **Demand management.** The Climate Intelligence platform controls all end-units, taking into account local weather and Utility tariffs, enabling automated peak-demand control.
- **Full remote control.** Easy and intuitive remote monitoring and control from any device. Minimizes technical workload on-site, and improves the building's internal operational functionality.
- **IAQ Sensing and monitoring.** Enabling you to create the safest environment for guests, staff and visitors in the New Normal, post COVID19.
- **Predictive maintenance.** The system undergoes constant performance analysis that enables it to identify abnormalities and address them before issues arise for our customers.
- **Wireless sensing precision.** The Climate Intelligence platform is connected via a scalable wireless ZigBee network- does not interfere with WIFI service. Sensing is done at the precise location (not where wiring is).

New Normal Post COVID19:

- The Airkind platform is agile, enabling staff full control of rooms while occupied, as well as enabling activation of energy saving modes when the rooms are vacant.
- The new IAQ Oak sensor allows monitoring indoor air quality in every room 24/7, providing improved indoor air quality in healthcare management facilities.

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