

Our Client:

Makado Property Developers & Cassia -
an Augustina | Elim Affiliation

Use Case Site:

- An exclusive assisted living facility in Minnesota, made of 90 suites and common areas. The common areas come in various sizes, including dining rooms, theaters, lounges, fitness rooms, creative arts rooms, and more - all in frequent use by residents.
- Praha Village provides a full range of living options, from independent living to assisted living care - with a skilled nursing staff on hand.
- Weather conditions range from freezing cold winters to blazing hot summers.

The Challenge:

- The Climate Intelligence Platform were installed right after the site was built, costs needed to be kept down during the ramp-up process, while there were low occupancy rates.
- No monitoring or control systems were previously installed. Suites are controlled by residents living in the suites, as well as by maintenance and nursing personnel.
- Weather changes drastically, often enduring drastically cold winters that are highly uncomfortable to residents.

Our System:

Multi-Room Climate Intelligence

The Climate Intelligence Platform utilizes the OakWall, which is both a controller and a thermostat. Additionally, a set of OakWindow/Door and OakPIR sensors that detect, collect, monitor and control all key parameters in every room (temperature, humidity, occupancy, openings, etc.). Applying sophisticated data analysis models and deep learning algorithms, the fully integrated system maximizes climate comfort while minimizing workload of heating & cooling systems, optimizing operational workload and significantly reducing energy consumption.



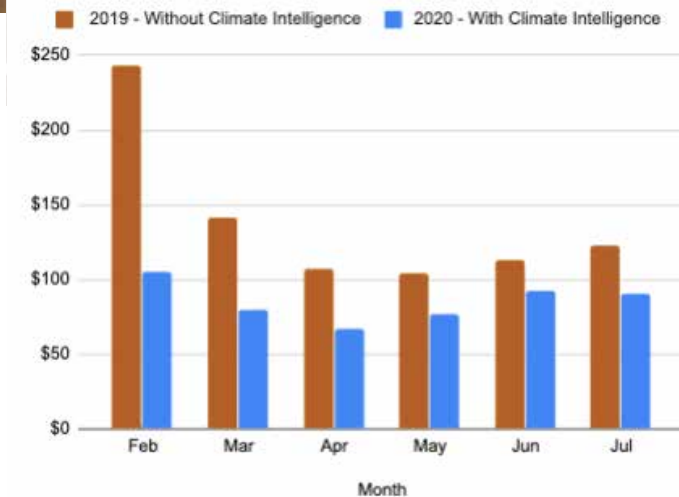
Climate Intelligence Benefits:

Airkind installation was done during site ramp-up, allowing savings from day 1.

- Annual Electricity Savings: \$21,400
- kWh saved annually after Airkind: 224,400
- **ROI: 1.7 years**



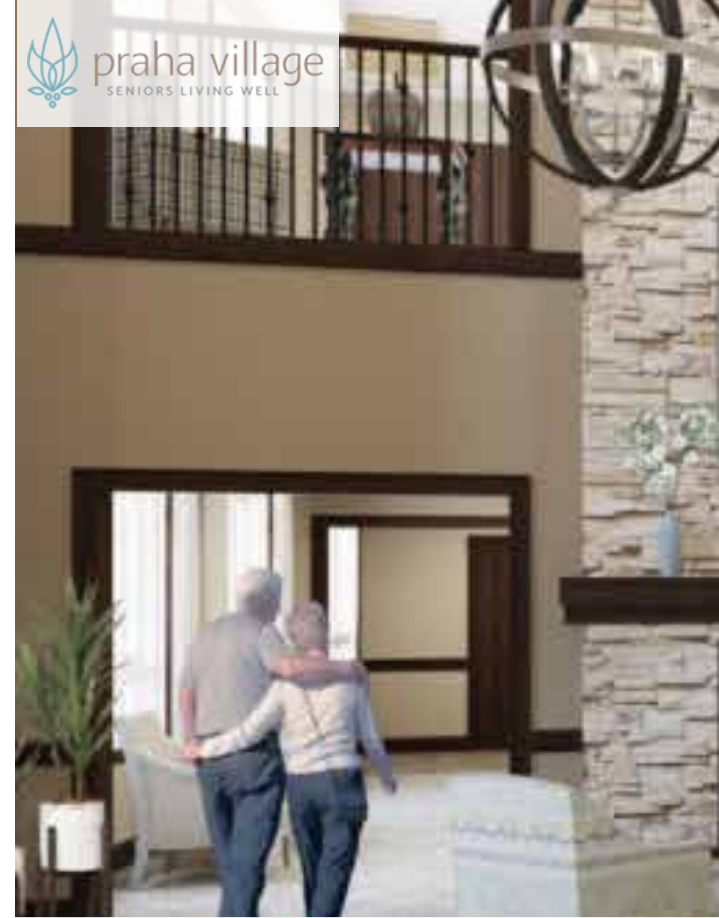
Electricity Cost Comparison (2019 vs 2020):





Airkind

Features & Benefits:



New Normal Post COVID19:

- **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.
- **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).
- **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 platform controls all end-units, taking into account local weather and Utility tariffs, enabling automated peak-demand control.
- **IAQ Sensing and Monitoring.** Enabling you to create the safest environment for guests and tenants in the New Normal.
- **Predictive maintenance.** The system undergoes constant performance analysis that enables it to identify abnormalities and address them before issues arise for our customers.
- **Full remote control.** Easy and intuitive remote monitoring and control from any device. Minimizes technical workload on-site.
- **Personalized climate.** The platform offers the capability of integrating with hotel PMS. With our systems, brands are now able to offer their loyalty club members personalized climate settings upon check-in.
- **No Capex (optional).** No capital expenditure. Fixed Climate-as-a-Service monthly fee, enabling the system to pay for itself.

- 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.