



SMART BUILDINGS, HEALTHIER LIVES: HOW IOT AND KORE ARE DRIVING CLIMATE SOLUTIONS



CLIENT OVERVIEW

A prominent innovator in the smart building industry, our customer specializes in creating advanced building solutions. Their flagship product - an IoT-enabled smart window system - has transformed commercial and residential buildings by improving both occupant health and environmental sustainability.

CHALLENGE

As part of their mission to improve human health and reduce environmental impact, the client faced key challenges:



Energy Efficiency: Reducing the energy load from heating, cooling, and lighting systems while maintaining a comfortable indoor environment.



Occupant Health: Enhancing the wellness of building occupants by improving access to natural light, reducing glare, and ensuring optimal indoor temperature conditions.



Integration Complexity: Seamlessly integrating the smart window technology with other building systems to optimize performance without overcomplicating the building management infrastructure.

SOLUTION

The client partnered with KORE, a leader in IoT connectivity solutions, to address these challenges and create an integrated, smart solution. KORE's diverse connectivity suite provided:

- **IoT Connectivity for Smart Windows:** KORE enabled real-time data exchange between the client's smart window sensors and the building's automation systems. This allowed windows to adjust dynamically based on factors such as sunlight intensity, outdoor temperatures, and indoor conditions.
- **Cloud-Based Data Management:** With KORE's robust IoT connectivity, all data collected from the windows was processed in the cloud, providing detailed analytics on energy savings, system performance, and human wellness impacts.
- **Seamless System Integration:** KORE's scalable IoT solutions facilitated seamless integration between the smart windows and existing building management systems (BMS), enabling full automation of lighting, HVAC, and window tinting controls.

RESULTS

The collaboration with KORE empowered the client to achieve impressive outcomes:

- **Energy Efficiency and Sustainability:** By reducing energy consumption for HVAC and lighting systems by up to 25%, the buildings now have a significantly lower carbon footprint, helping to address climate change.
- **Improved Human Health:** Occupants of the buildings benefit from optimized lighting and temperature conditions, resulting in improved comfort, reduced eye strain, and a healthier overall indoor environment.
- **Cutting-Edge, Sustainable Buildings:** The combination of smart windows and IoT-driven automation added significant value to the client's properties, positioning them as leaders in sustainable building practices.
- **Cost Savings:** The client secured their customers by positioning energy cost-savings as a key selling point.

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CONCLUSION

Through its partnership with KORE, the customer has successfully transformed buildings into healthier, more sustainable environments – highlighting the role of Massive IoT in curbing the effects of climate change while improving overall wellness.





ABOUT KORE

KORE is a pioneer, leader, and trusted advisor delivering mission critical IoT solutions and services. We empower organizations of all sizes to improve operational and business results by simplifying the complexity of IoT. Our deep IoT knowledge and experience, global reach, purpose-built solutions, and deployment agility accelerate and materially impact our customers' business outcomes.

At KORE, we are committed to leveraging our expertise in IoT connectivity to support environmental sustainability efforts around the globe.

[Reach out](#) today to learn more about how KORE powers environmental initiatives.