

A teal rectangular box containing the text "CASE STUDY" in white, uppercase, sans-serif font. The background of the entire page is a night cityscape with streetlights and buildings, overlaid with a grid of white dots.

IoT-powered Remote Asset Monitoring

Background

Remote asset monitoring is an area of IoT that relies on wireless connectivity to help companies monitor connected assets to optimize their efficiency and effectiveness. With IoT-powered remote asset monitoring, businesses can continuously monitor connected assets to collect valuable data, gauge performance, and detect problems before they occur.

IoT-powered remote asset monitoring is crucial for businesses like car dealerships, banks, and retail stores who rely on outdoor lighting and signage to attract customers. It is also critical for cities who rely on remote assets like street

lighting, public transit illumination, and surveillance cameras to keep their residents safe. From the person pumping their gas, to the high school quarterback scoring the winning touchdown, remote assets illuminate our lives.

By automatically collecting, storing, and analyzing data through cloud-based technology, IoT-powered remote asset monitoring can provide valuable insights to businesses that lead to cost savings and energy conservation. It also allows them to monitor parameters like temperature, humidity, battery and power consumption, and orientation for better asset functioning. IoT powered sensors embedded in a device then utilize wireless connectivity to



The connectivity and support KORE offers make it simple to achieve infallible connectivity to support data-driven remote asset monitoring.



communicate that data to ensure vital services like outdoor lighting are not disrupted for businesses, cities, and residents.

Challenge

The challenge in orchestrating remote asset monitoring is reliable connectivity. Outdoor signage, sometimes equipped with SIMs for wireless connectivity, have embedded sensors that transmit data, such as battery and bulb life, back to businesses who can then deploy a technician if an asset is malfunctioning or completely out of service. Without reliable connectivity, businesses would have no way of knowing whether an asset was functioning properly, aside from paying someone to constantly keep watch, which would prove costly and unsustainable.

To make their solution viable for cities and businesses, remote asset monitoring companies had to connect their technology seamlessly and infallibly. Delivering reliable connectivity requires a solution that will ensure a stable connection is constantly maintained so the various parts of the system are able to communicate with one another effectively.

Solution

KORE supports the application of IoT-powered remote asset monitoring through its connectivity management platform ConnectivityPro™ to provision SIM cards for connectivity, usage, and reporting.



KORE connectivity enables assets to connect to the network so they can send and receive data while being remotely monitored, ensuring vital assets like outdoor signage and street lighting are operational and performing optimally.

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The Result

Supporting IoT-powered remote asset monitoring ensures solutions are energy efficient and cost effective for businesses and residents alike. Remote asset monitoring companies can be confident their solutions are operating reliably, ensuring situational-based outcomes through regular and real-time asset tracking that is made possible by wireless connectivity.

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.

For more information, visit www.korewireless.com

