

CASE STUDY

Kisi



Highlights

Kisi, Inc., founded in 2012 in Munich, Germany, is a provider of cloud-based key management and mobile access control for secure entry to commercial building spaces.

Requirements

- Ethernet and WiFi enabled connectivity
- Enterprise-grade security
- Easy to deploy and manage

Solution

- Electric Imp IoT Connectivity Platform
- Electric Imp Authorized hardware
- impOS™

Benefits

- Fast time-to-market
- Managed security certified to industrial standards
- Simplified installation

Company Overview

Kisi is changing the way we secure facilities by eliminating the issue of lost or misplaced keycards. They started with a goal to create a cloud-managed, keyless access control system in order to simplify ongoing security, while being easy to set up, and ultimately enhancing an everyday experience for commercial businesses, via IoT.



Challenge

Kisi needed to prototype and bring its access control system to market in a short amount of time. The system would require IoT technology that would make it simple to connect each system to the cloud, however, Kisi's engineering team was not large enough to develop the necessary embedded programming nor implement and manage security.

Kisi explored several prototypes such as Arduino and Raspberry Pi along with a few others but they quickly realized that these prototyping options were not easy to implement in production, nor did they have the security requirements they needed.

Then Kisi's product development team discovered Electric Imp.





The collaboration with Electric Imp has allowed us to focus on scaling our business and continue helping improve productivity and safety for our customers, without having to worry about ongoing security, maintenance or connectivity.”

– Bernhard Mehl
Co-founder, Kisi



Transition from development to production was seamless with Electric Imp.”

– Bernhard Mehl
Co-founder, Kisi

Solution

Kisi met its goals for security, time-to-market, and ease of use by implementing the Electric Imp connectivity platform. When Kisi did so, it was able to instantly provide secure WiFi/Ethernet Internet connectivity, powerful edge intelligence, and a brain in the cloud.

Kisi is able to provide its customers with a highly secure and resilient solution during the full lifecycle of their solution, since Electric Imp’s managed service pushes critical security updates without needing to touch Kisi’s application code. The event-driven architecture of impOS™, located on each module, enables Kisi devices to respond rapidly to access requests, with each transaction stored in the cloud to help users quickly generate activity reports.

By using the Electric Imp platform, Kisi was able to develop a cloud access control system that provides digital access through patented hardware and easy-to-use software, with a small team. Their system provides customizable, real-time access through the tap of a smartphone, which also makes it easy to track activity and maintain access control. As such, they are delivering an outstanding customer experience and delighting their customers.

Today, Kisi solutions are installed in thousands of workspaces worldwide – helping customers streamline operations, enhance security, and improve their members’ experience.

Results



ROBUST SECURITY

Electric Imp’s market-leading, certified, security features and lifecycle management are designed and embedded into every single physical and virtual aspect of the Kisi platform. This gives Kisi’s customers confidence that they are using a highly secure product.



SIMPLIFIED INSTALLATION

The patented Electric Imp BlinkUp solution provides Kisi with a unique way to cut the training and technical expertise required to securely commission, provision and deploy its readers. It allows customer to securely connect with the cloud in seconds using standard smartphones.



INSTANT IDENTITY VERIFICATION AND DATA LOGGING

With the Electric Imp Platform, Kisi controllers facilitate instant and secure WiFi/Ethernet Internet connectivity to the cloud to respond to access requests in milliseconds. All access data is then stored for easy analysis and reporting.

Why Electric Imp?

- **Fast time-to-market:** Rather than spend time and money developing the in-house expertise to build their solution, Kisi’s small development team used the Electric Imp IoT Connectivity Platform to get to market on time and within budget.
- **Flexibility:** Kisi is able to easily add new features and capabilities to its solution—whether it be through Ethernet, WiFi, or Cellular connectivity from one platform.
- **Security:** The comprehensive, managed, and certified security features of the Electric Imp Platform ensure a secure connection for the lifecycle of the product.

To learn more about Kisi go to www.getkisi.com

