Britannia Development Company

Bringing the Internet of Things to property development to automate, secure and manage smart homes.

CLIENT PROFILE

Industry: Real estate development, property repair and general construction

Company:
Britannia Development Company

Employees: 50

BUSINESS

With over 20 years of property repair and general construction experience, Britannia Development Company has built its business on real estate development and rehabilitation for foreclosed and managed properties.

CHALLENGE

Homes are frequently damaged by natural disasters or neglect, and traditional real estate development methods do not provide the real-time data or automation required to manage properties on a large scale.

SOLUTION

Through smart home devices and solutions from CA API Management, Britannia Development can tap into the Internet of Things (IoT) for complete property automation.

BENEFIT

Britannia integrates, secures and centrally manages over 50 connected properties with 100-plus IoT devices to provide smart home experiences and advanced real-time monitoring.

Britannia Development is a nationwide real estate development company providing property repair and general construction services to 191 counties in nine U.S. states. The company delivers a variety of services, including carpentry, electrical, flooring, inspections, plumbing, roofing and installations.

Britannia typically services foreclosed and managed properties, working with clients to maximize marketability and enable rehabilitation. Many of the homes in Britannia's network require repairs due to damage or extended vacancies.

Britannia realized there was an opportunity to apply automation technologies to property development and create smart, connected homes. Smart home devices could not only provide improved property experiences but could also potentially reduce losses and damage by enabling real-time monitoring.

To make Britannia's vision a reality required a combination of technology and subject-matter expertise. The technical team at Perficient Inc., a digital transformation consultancy firm, identified an opportunity to use API management tools to integrate and secure IoT investments in connected homes, achieving the scale and automation Britannia envisioned. Perficient recommended CA API Management, based on a long-standing partnership with CA.

Working with Perficient and CA Technologies, Britannia is helping to bring the Internet of Things to real estate.

The Technology

To achieve Britannia's IoT vision, the enabling technology components had to be both connected and secured. Data needed to be collected from smart devices and made available to backend systems for processing. And devices, data, backend applications and the IoT infrastructure powering the network had to be secured to enable automation without the threat of system compromise.

Britannia deployed Wink smart home hubs to connect upwards of 100 IoT devices across its network of managed properties.

As a critical component for both connectivity and security, CA API Gateway was deployed to connect the IoT devices, the smart home hub and backend applications, and to provide enterprise-grade security to the network.

The IoT components and the gateway are integrated in Britannia's Complete Property Automation (CPA) portal, which enables Britannia's network of properties to be centrally managed. CA Mobile API Gateway provides device management and mobile single sign-on for Britannia's corresponding iPhone app. The mobile gateway also provides OAuth security and exposes internal APIs for consumption.

Britannia now has 50 managed properties connected and secured through solutions from CA API Management and automated through IoT technologies.

Looking Ahead

Britannia plans to expand both its network of connected homes and its implementation of solutions from the CA API Management portfolio. The vision has evolved from automating individual properties to connecting homes on a much larger scale. During natural disasters, for example, smart homes can provide real-time data that enables faster response and offers protection to the property and its inhabitants. Britannia believes that IoT will be the future of real estate to address these challenges and more.

With CA API Gateway, Britannia plans to scale its network from 50 to 100 connected homes and implement new connected features within the architecture. As the project evolves, Britannia has added enhanced functionality within the gateway and increased its utilization, with plans to integrate and secure further backend applications, such as financial systems.

Additional products from the CA API Management portfolio will help to broaden Britannia's IoT vision in the near future. Alongside the gateway, Britannia plans to implement CA Live API Creator to create low-code APIs and microservices. This will enable greater scalability and allow Britannia to instantly connect to IoT data stores, keeping database applications in sync.

Connected technologies are powering Britannia's smart home initiatives, while solutions from CA API Management provide the security, integration and scale to achieve a new standard of property automation in the era of IoT.

Britannia has added enhanced functionality within the gateway and increased its utilization, with plans to integrate and secure further backend applications.

For more information, please visit **ca.com/mobileapi**

CA Technologies (NASDAQ: CA) creates software that fuels transformation for companies and enables them to seize the opportunities of the application economy. Software is at the heart of every business, in every industry. From planning to development to management and security, CA is working with companies worldwide to change the way we live, transact and communicate—across mobile, private and public cloud, distributed and mainframe environments. Learn more at ca.com.

Connect with CA Technologies