

Facility Access Control To Hone Security For a Software Services Provider

How crafting a mobile app for seamless access control allowed a software company to **remove hassle** from the process of building a **secure physical perimeter** for software development and **increase** employee satisfaction rate by **27%**.

Challenge

We needed to provide an access control system with automated user identification without requiring the user to take an action.

The automated access control system was supposed to work via a mobile app using Bluetooth LE and centralized server to allow remote manipulation of locks.

Solution

To solve this problem, we developed a mobile app for iOS & Android. This app determines the distance to the door. When a certain threshold is reached, it signals the server to open the door.

The server, in turn, communicates with the release mechanism through internal channels.

Key features



Automatic opening of doors when approaching it. You don't need to place a chip on the door. You only need to have a cell phone with the installed app



Seamless access control system: it prevents unauthorized access attempts, but at the same time doesn't require any further action. That is, the door opens on its own by the time you approach it.

Technology used



Modbus



openHAB



iBEACON



Raspberry Pi



Arduino

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