



# SAP Innovation Awards 2019 Entry Pitch Deck

Touch the Future - Enabling mobile service security  
dormakaba

# Touch the Future – Enabling Mobile Service Security



<https://dormakabaext.egnyte.com/dl/UDUehAnfUD>

## Additional Information:

SAP video: <https://www.youtube.com/watch?v=CV12178RXJM>

SAP news: <https://news.sap.com/2018/05/dormakaba-sap-set-transform-access-control/>

LEGIC Connect: <https://www.legic.com/technology-platform/mobile-service/>

SAP IA2018: submission dormakaba “How can companies digitize their security system?”



Mobile devices such as smartphones and wearables meet all the requirements placed on a modern access medium:

- Mobile devices represent a secure and unique credential for identifying a person.
- Mobile devices support 2-factor authentication, combinable with biometric features such as fingerprint or face recognition.
- Mobile devices enable easy user guidance, navigation and information display.
- Mobile devices have communication interfaces such as BLE to connect with security components such as doors, video cameras, IoT-devices and sensors or battery powered offline components.
- Mobile devices are accessible any time anywhere in the world.
- Mobile devices can operate autonomously if there is no network connection available.

Only critical issue: Mobile devices are susceptible to hacker attacks.

This is exactly where the dormakaba LEGIC Connect innovation technology with its security features comes in.

There are various solutions on the market for mobile access. However, dormakaba differs by two crucial USPs:

- Mobile access with LEGIC Connect provides best in class security standards (trusted service).
- Full integration with the SAP business processes and SAP cloud infrastructure.

# Touch the Future - Enabling mobile service security



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## “Quote”

SAP and dormakaba are bringing together HR, ERP and safety and security on SAP Cloud Platform. It's paving the way for our customers as they work toward digital transformation.

Thomas Herling,  
Senior Vice President Global  
Business Owner Electronic  
Access and Data, dormakaba  
Group

## Challenge

The modern workforce demands a dynamic environment with flexible time, flexible spaces and a mobile infrastructure. This requires new concepts in the area of access and security systems.

## Solution

The dormakaba mobile access solutions allow to use smartphones as access credentials and to assign access rights directly within SAP SuccessFactors Employee Central.

## Outcome

This leads to a significant reduction of administrative tasks. Besides, employee empowerment will help to accelerate authorization processes. Less hardware, faster installations, agile access control.

Increased efficiency and agility through involvement of employees.

Up to 60% cost reduction in hardware. No lost keys or cards.

Up to 80% reduction of administrative overhead through a centrally managed cloud solution.



## Business Challenge & Objectives

New technologies such as cloud and mobility are rapidly changing the way people work and live. At the same time, modern access management systems must meet the highest security requirements and allow employees, external users and visitors easy, flexible and fast access at any time to any location - without time-consuming workflows, without paperwork and without issuing of ID-cards and mechanical keys. Customers expect flexible and user oriented solutions and integration into existing SAP business processes.

dormakaba mobile access solutions allow to allocate and manage access rights directly in SAP SuccessFactors Employee Central.

Employees are empowered to self-manage their work environment such as co-working spaces, shared desks, flexible shifts etc.

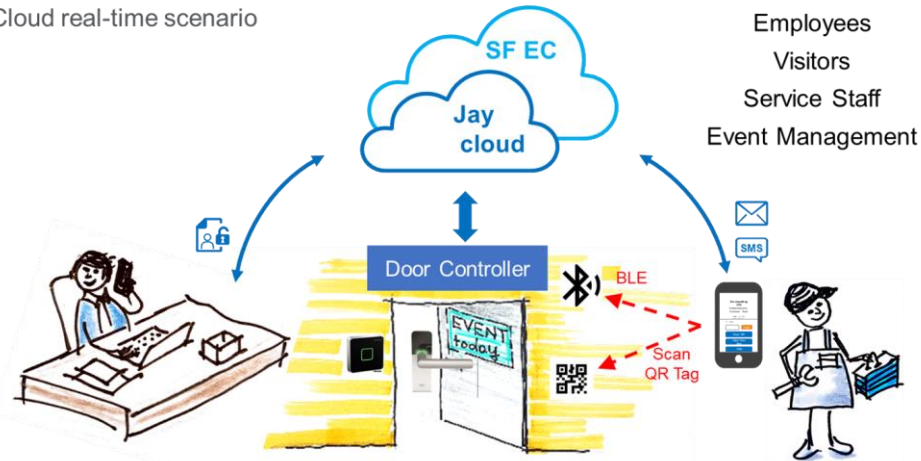




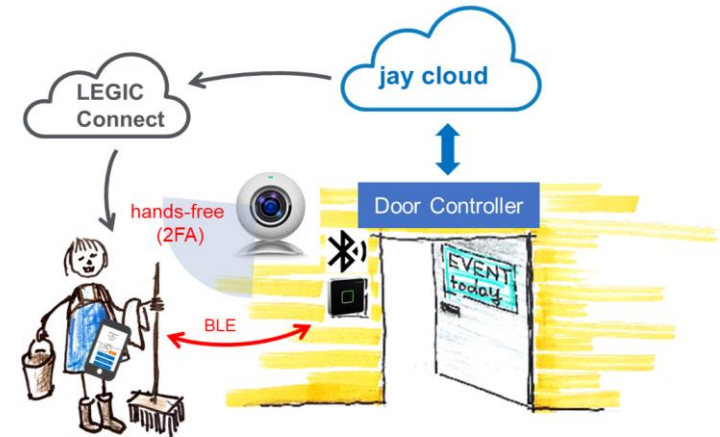
## Project / Use Case Details

Dormakaba mobile access solutions offer a state-of-the-art technology to securely issue, revoke and update digital credentials on mobile devices such as smartphones, tablets, smartwatches. Using best-in-class LEGIC Connect cloud technology, these credentials can be used across dormakaba's line of RFID and BLE access control products to access hotel rooms, residential units, university accommodations and other protected facilities such as laboratories, remote utilities and commercial buildings.

Cloud real-time scenario



Cloud offline scenario with trusted service LEGIC Connect





# Benefits and Outcomes

## Business / Social

**Streamlining processes**, increasing flexibility and transparency, reducing downtime and waiting times.

By using workflows, authorizations can be requested **quickly and automatically** by the employee.

Integration and utilization of the existing SAP infrastructure.

Making employee's workplace **safe and secure**.

## IT

**100% cloud**  
dormakaba's mobile access solutions are designed to support the digital journey of the customer.

**Built on SAP Cloud Platform** and utilizing SAP Leonardo IoT will help to increase agility and reduce the cost of both IT and business operations.

**Centralized system**  
fully integrated with SAP HCM SuccessFactors Employee Central.

## Human Empowerment

**Simple and intuitive** operation, with a tight integration into daily work process.

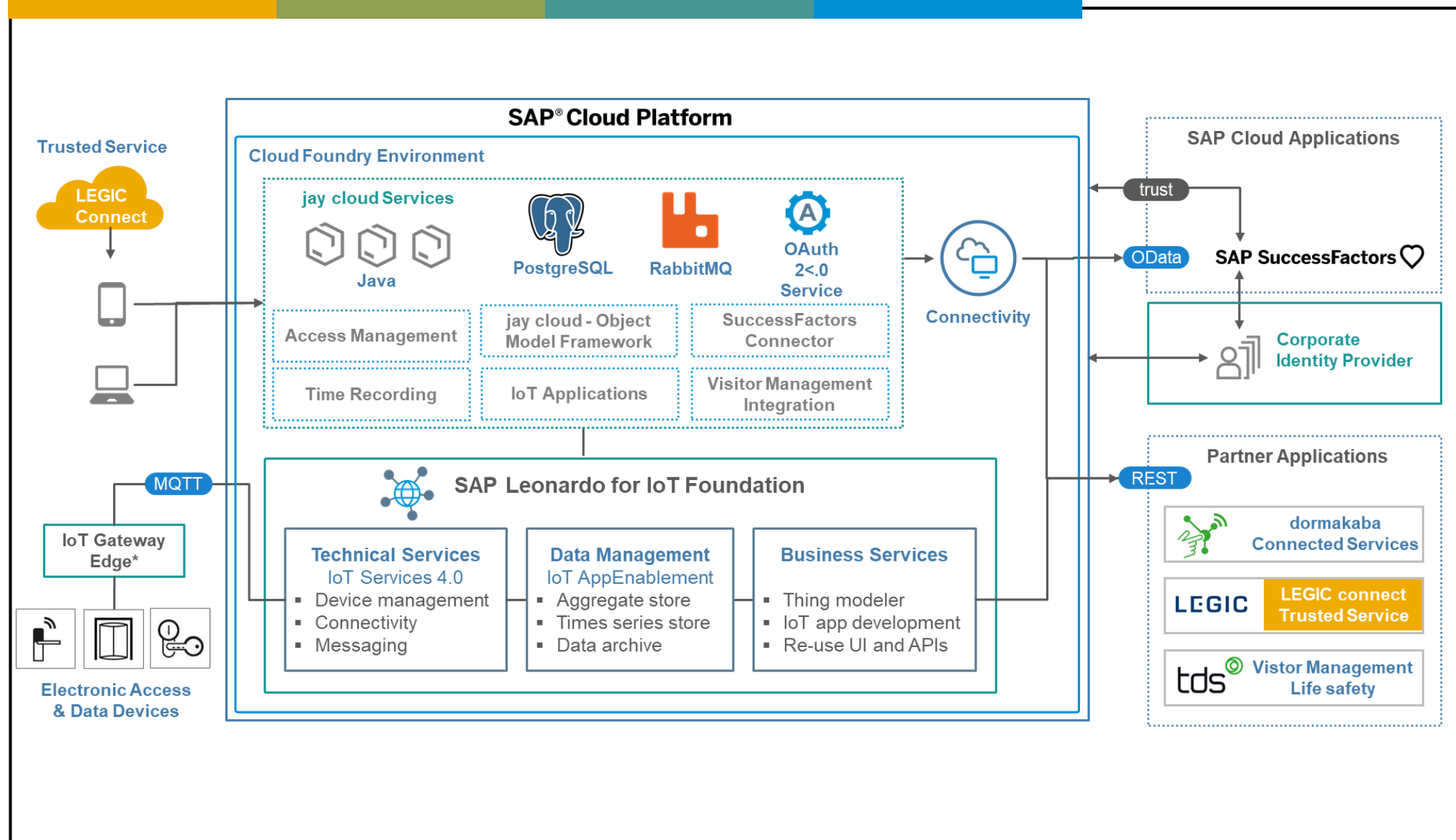
**Perfectly matched** with the job and working culture of the employees:

**Ensuring access** to office spaces, equipment, facilities and machinery for service staff such as field service, cleaning staff or parcel service

Providing **convenient access** and guidance for external employees, visitors and event participants.



# Architecture







## Deployment

Date of Deployment or POC: December 2018

Number of live users: 250

### SAP Technologies Used:

SAP Cloud Platform (CloudFoundry)	Live
SAP Leonardo IoT Foundation AE (including SAP IoT Service 4.0)	Live
SAP SuccessFactors Employee Central	Live
SAP Analytics Cloud	Coming soon

Server Processor: unknown

Linux Distribution: unknown



## Emerging Technologies and Use Cases

The following Emerging Technologies and use-cases are part of the project and describe the contribution

	Technology or Use Case	Yes/No	Contribution to Project
1.	Machine Learning / Artificial Intelligence	no	
2.	IoT	yes	SAP Leonardo IoT Foundation (Application Enablement, Thing Modeler, IoT Service 4.0). Digital Twin concept to manage all type of door equipment and access control devices.
3.	3D printing	no	
4.	Blockchain	no	
5.	API Economy / Integrate the Intelligent Enterprise	yes	API-Management to integrate with SAP and Partner Systems such as SAP SF EE, SAP Cloud for Real Estate, Visitor Management, Video and Incident Management
6.	Cloud Native / Event Based Architectures	yes	SCP CloudFoundry environment. Event-driven architecture using RabbitMQ.
7.	Extending the digital core with SAP CP	no	
8.	SAP Leonardo Application	yes	Design thinking driven approach. Close cooperation with SAP Co-Innovation Team.