

FROM FINLAND THE FIRST AND ONLY INTEROPERABLE TECHNOLOGY AND PLATFORM FOR KEYLESS ACCESS

The solution for enterprise, campus and cities struggling with fragmented and unsustainable access solutions

*Any access point, any lock or device manufacturer,
any service provider, any user*

The **key** is a patented token technology and a platform allowing customers to source services from all members of the ecosystem autonomously. This is supported by a replicable and interoperable cloud service.

Developed in Finland out of the mobile software industry
Embraced by the traditional security technology and lock industry.

“Bitwards’ technology has proven its reliability. The platform allows us to strengthen our secure access solutions even further and offers completely new concepts”



Kjetil Stenberg - Regional General Manager, Nordics, Stanley Security

THE GLOBAL, INTEROPERABLE ACCESS STANDARD

Enterprise decision-makers face a **highly fragmented access marketplace** with multiple proprietary systems finding it difficult and expensive to match the best.

Bitwards developed interoperable technology and a platform standard allowing customers to **take advantage of multiple vendors in a competitive marketplace** combining the best products and service.

We have attracted a **rapidly growing ecosystem** of lock/device manufacturers, service providers, technology integrators and large enterprise to sme customers

Proven through over 10 000 access points and tens of thousands of end-users as **primary access solution** by customers in Scandinavia, central and southern Europe, the UK and US east and west coast

“For our customers, the smooth ride and ease of use was highly important. We opted for a modern system that offered flexibility and reliability”



Pasi-Pekka Rossi, Head of Strategic Resources, Aalto University Executive Education

1

Universities, enterprise businesses, even cities - no environment is too big or complex

2

The Bitwards ecosystem provides high quality smart lock and hardware solutions for access point of any kind: doors, cabinets, elevators, gates, machinery etc.

3

Complete and easy to use cloud based access control for any customer allowing truly multi-tenant and multi-domain end-user access management

4

Modern API's allow easy integration to other IT systems offering flexibility and automated access management

5

Easy to use universal Bitwards or White-labelled App providing the best customer user experience for any user to any space or facility.

ONLINE BENEFITS OFFLINE!

Enterprise, campus and city access is mission-critical Systems must take into account service disruptions at cloud/wifi levels

Bitwards' library runs consistently on Bitwards BEX Virtual Machines across all locks. Access delegation sits in the user app. In a total downtime incident - no power, WiFi, mobile service - users are able to access locks through Bluetooth/NFC. Data exchanged is stored in the user app until cloud connection is restored.

The system architecture intrinsically permits higher levels of **resilience, redundancy, reliability.**

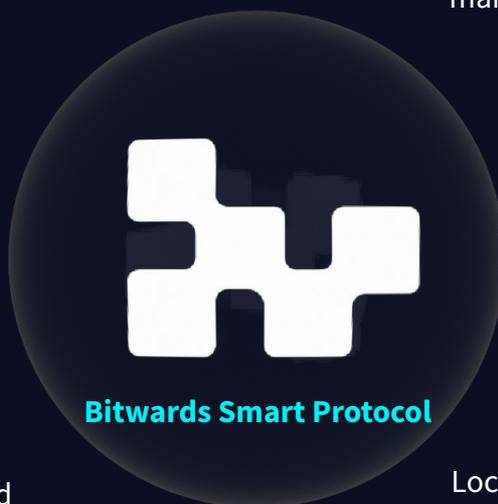
This is why Bitwards is the global platform standard.

100% reliability

The smart protocol provides a solution that works without the need for network connections but provides full access control.

Multiple service providers

The truly multi-tenant and multi-domain platform offers the most flexible access management by many trusted service providers.



Bitwards Smart Protocol

Token-based access control

Tokens shared to end-users trusted devices allow them to open locks and access spaces securely even when out of network at any given period of time

Code-in-Token

Locks and device functionality can be configured and customised at any time by the act of users access. The patented code-in-token makes offline devices smart and allows complete control and updates.

“Code-in-token is brilliant. Lock behavior is updatable even though the lock is offline. Plus, the lock can send its own diagnostics up the line to the admins”



Jörg Bärenfänger - Head of Export and Product Management at Süd-Metall Beschläge GmbH

BITWARDS OPEN ECOSYSTEM WHAT IS IN IT FOR ME?

The world now has a platform standard through which partners can interact with each other. You do business with whom you trust, we offer the technology platform that is secure and smart.

“There was no global standard until Bitwards created it”



Peter Jahnsén, CTO Flexlock

HARDWARE MANUFACTURERS

We connect your hardware to a cloud based, modern and secure platform to guarantee seamless user experience.

CUSTOMERS

Reduce overheads and costs in access management. Find a standard method for secure and controlled access across the campus for all persons and Organization.



SERVICE PROVIDERS

We integrate customers' access systems to the booking management system.

END USERS

Can finally get rid of carrying an endless number of keys and key cards

RESELLERS, INTEGRATORS, LOCKSMITHS

You can offer a mobile, offline working key with access control system to a customer of any size.



BITWARDS
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