# SARTi

# Introducing Locken and its solutions for access management

Access management to critical infrastructures and geographically dispersed sites

**LOCKEN**
Simple key • Smart access

# Technological entrepreneurship

Locken is a company of the SARTI Group

**SARTI**

- Est. 2003
- Technology solutions and managed services provider
- Areas of activity: Security & Mobility
- Leadership & international outlook
- Human capital: 130 collaborators
- 23 M€ turnover
- Continuous value generation & growth since inception

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# Technological entrepreneurship

## SARTi

### vehco
vehicle communications

**Mobile fleet management**

Connecting 30 000 vehicles
Managing 500 millions transactions annually

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**Access Management**

Access option of choice for more than 75.000 people to more than 350.000 access points spread in more than 60.000 different locations in over 10 countries in Europe.

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# Usual profile of Locken's customers

- Large companies

  - Managing many geographically dispersed small/medium size installations (multi-sites)

  - With a medium/high level of outsourcing

  - Eager to implement technological solutions to ease current operations

  - More concerned with access management than access control

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# Main objectives of Locken's clients

1. Security

2. Health & Safety

   and, above all,

**3. Work activity management**

   − Improve service levels *(quality and reliability)*

   − Increase operational efficiency

   − Boost continuous improvement through technology

   − Stimulate synergies



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# Some typical operational scenarios currently being facilitated by Locken's Access Management Solutions

- **Security**
  - Anti-intruder alarms management based on identity
  - Contract termination → automatic access rights cancelation

- **Health & Safety**
  - Prevention of occupational hazards
  - Coordination of activities

- **Asset management**
  - Real estate & Furniture
  - Uninhabited sites
  - Shared facilities
  - Rental of facilities

- **Operations management**
  - Dynamic delivery of authorizations for access to nomad teams
  - Post-alarm calls
  - Cash handling
  - Crisis management
  - Contingency plans

- **Outsourcing management**
  - Control of compliance with Service Levels Agreements
  - Facility management
  - Supply chain management

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# Access control at a higher level

We transform the traditional access control paradigm to deliver a management tool and a driver of continuous improvement for our customers

1. Data-oriented approach

   – Immaterial access rights

   – Data collection & audit

2. Tailored solutions

   – Customizable software

   – Value-added services

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# Some references

**Energy**

# Some references

**Telco**

# Some references



**Water**

# Some references



**Transport**

# Some references

## Bank & cash management

# Some references

**Retail**

# Some references



## Public venues

# Some references



**Industry**

# Some references

**Buildings / Others**



torre picasso

COLECCION THYSSEN-BORNEMISZA

HOTELES SILKEN

QOSMOS
Your Network is Information

G4S

CH Montperrin

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# Locken solutions for access management
## Main characteristics of the system

**Application server**
**Database server**

**User keys**

**Access Distribution**        **Cylinders**
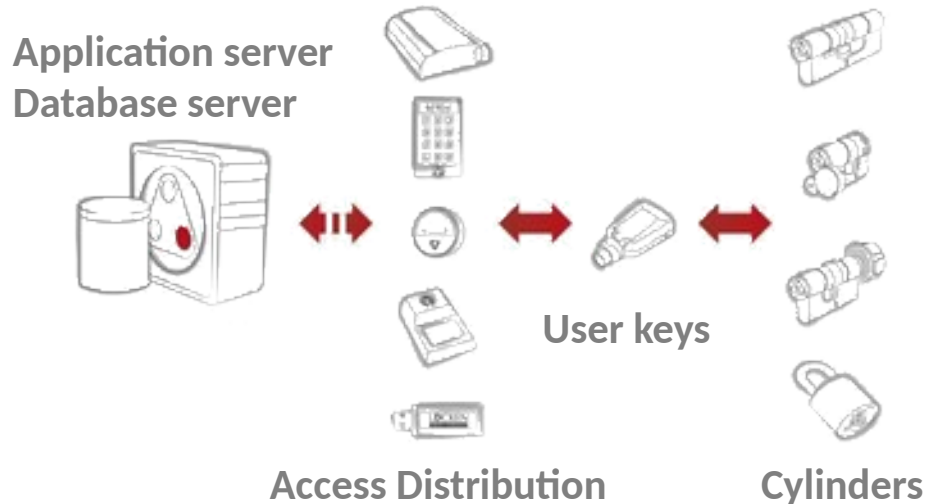
- Categorized as a stand-alone key-centric access control system
  - Stand-alone: no link amid the management software, the ID media and the locking devices
  - Key-centric: the access decision is made at the key level
- Based on passive electronic cylinders and intelligent electronic keys, managed from a web-based management software through a network of access distribution devices
  - Easy to install
    - No need to change the existing locking systems
    - Wireless (neither power nor data)
  - Maintenance-free
    - The power is supplied from the key

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# Locken solutions for access management
## Main components of the access management solution

**Electronic cylinders** : Unique contact profile, passive & unpickable

+

**Electronic keys :** potential access to unlimited cylinders, active & irreproducible

+

**Management software** : Remote access, secure, customizable & integrable

+

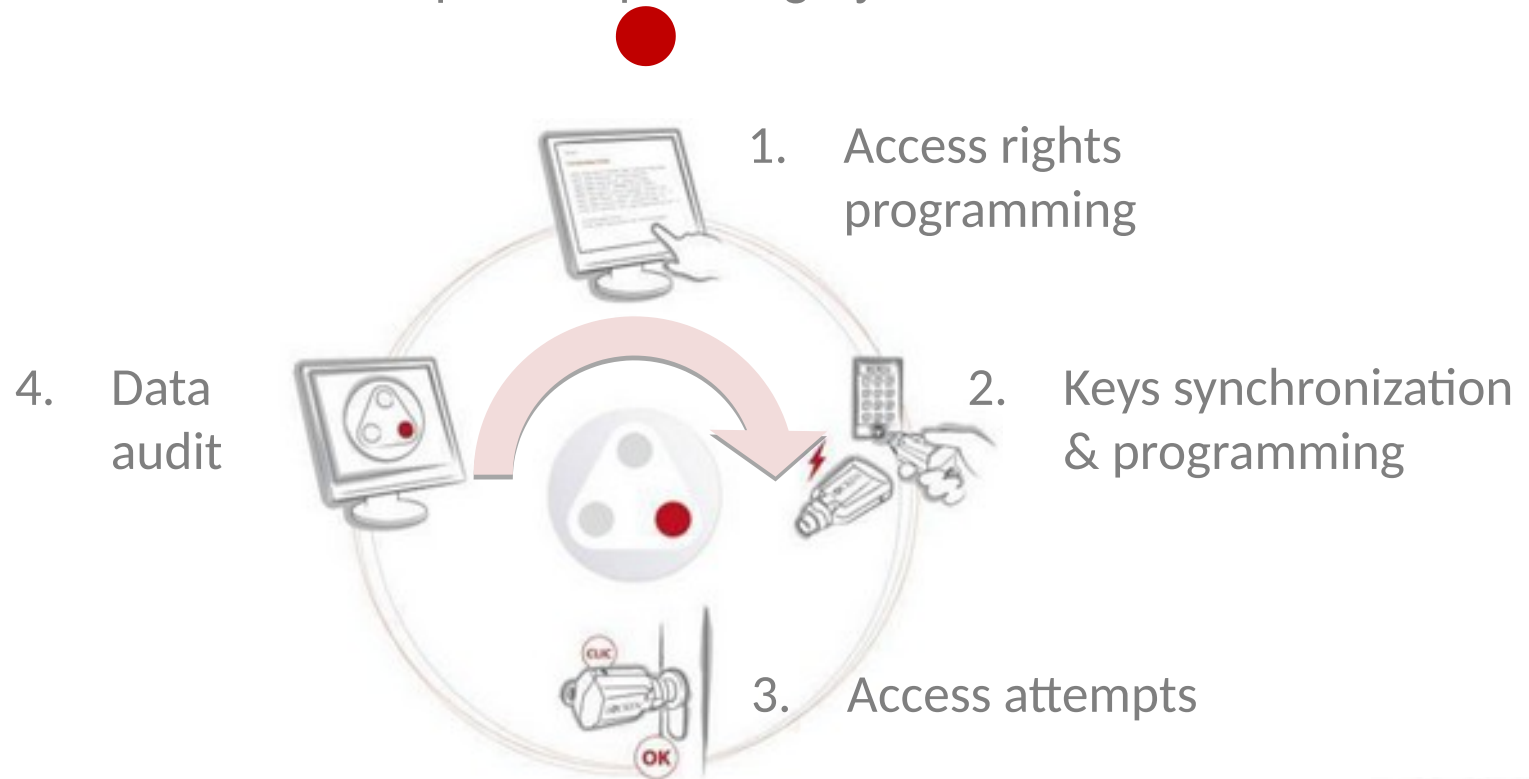**Access distribution devices :** Synchronization & programming

+

**Services**: Engineering, SW Maintenance, Outsourced Management

=

# Security & Flexibility
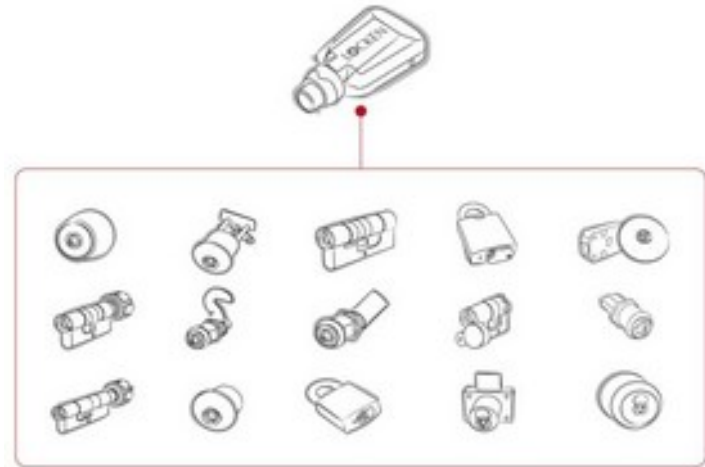
# Locken solutions for access management
## Simplified operating cycle



1. Access rights programming
2. Keys synchronization & programming
3. Access attempts
4. Data audit

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# Locken solutions for access management
## Electronic cylinders

- No mechanical permutation
- Passive device
  - Embedded microprocessor
  - Records up to 1.100 events in memory (keys, date, hour, type of event)
  - Power supplied by the keys at every access attempt
- Without internal clock nor table of authorized keys, programing is limited to some exceptional & advanced features
  - Adding cylinders to a system database
  - Allocation of access codes
  - Keys blacklisting, delayed access, multi-key access…
- Replace easily any equivalent mechanical cylinder
  - No wiring nor power required
  - Stock & operating temperature range: –40ºC / +70ºC

- Over 250 different models available, they fit all doors and needs

# Locken solutions for access management
## Electronic keys

- Unique mechanical profile
- Active device
  - Embedded microprocessor
  - Records up to 3,900 events in memory (cylinder, date, hour, type of event)
  - Internal power supply: 1 standard battery CR2 - 3V lithium (battery life : up to 5000 openings) or a rechargeable battery LiPo (up to 500 openings)
- Flexible behavior through programming
  - access rights validity period: begin and expiry date (from 1 minute on, without limit)
  - access domain, i.e. which locks a key can open
  - access schedules, i.e. when a key can open a lock
- While master keys can eventually access an unlimited amount of cylinders, standard keys are limited to 3300 cylinders at once.
- Cannot be duplicated (encrypted electronic code)
- Lost keys are easily disabled

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# Locken solutions for access management
## Access management software

**Locken Web Control**



- Multi-user web application
  - Installed on a web server
  - No software installation on the workstations is required. Access managers use a simple web browser to access the server
  - Secured access to the application
  - Users accounts management for system administration
- Keys management (access rights)
- Cylinders management
- Secured communication with programming & synchronizing devices
- Alerts & notifications
- Database management and audit trails
- System parameters settings
- Integrable with legacy or 3rd party information systems

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# Locken solutions for access management
## A team you can trust

The most experienced team in the industry at designing, implementing and operating access management solutions for sizeable and geographically dispersed locking systems to support you throughout the whole life cycle of your system

- Engineering:
  - Risk Management
  - Locking plans
  - Access logistics
  - IT infrastructure
  - Process optimization
  - Project management
- SW development
- Outsourced Management (Service Desk)
  - Deployment assistance
  - Operating assistance
- SW maintenance
- Hosting

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