

ICT COMPACT DIGITAL SECURITY SOLUTION

Innovative **Net-zero**
ICT Smart Digital Locking System.

For Net zero, 4th Industrial revolution trend.



K-INNOVATIVE PRODUCT
CERTIFICATION BY KOREAN GOV

Security

- Encrypted Authentication/Prevention of illegal key duplication and lock picking
- Prevent safety/security incidents by using only authorized locks
- Improved brand image and security evaluation
- Eliminate risks of explosion or electromagnetic effect with no battery

Convenience

- One-Key: Multiple keys into a single key
- Multi-User: Multiple keys to access single lock
- Efficient Management: Audit-trail, Date/Time programming for key and data-storage function
- Admin can easily allocate Access Rights anytime and anywhere

Scalability

- Digital locks to be installed anywhere in any facilities
- Integration with other IOT devices through interface
- Various Application S/W available
- Consulting Service available through Raw-Data gathering

Eco-Friendly

- Locks require no battery
- Net-Zero: Positive Environmental Assessment due to no battery wastes
- Cost Reduction: Save time and cost for battery replacement/labour



INDUSTRIAL SECURITY SOLUTION

PLATFORMBASE's Compact Digital Lock System
for integrated management and industrial security

What is Platformbase's Digital Lock System?

It is a "platform-based" compact ICT digital lock system with improved Security, Stability, Innovation and Convenience while achieving the compact size like mechanical locks.

• Size Comparison against traditional locks



K-INNOVATIVE PRODUCT
CERTIFICATION BY KOREAN GOV

THE NEW DYNAMIC ACCESS CONTROL

The harmony of digital
and analog brings you
PLATFORMBASE Digital Locks



Enhanced Access Control

with improved productivity,
efficiency, and reduced cost

SMART DIGITAL LOCK

Most of Industrial sites or fields uses traditional door locks despite the importance of industrial security. Due to the bulky size, cabinets, ATM, or other facilities are still use mechanical locks.

Flexibility with Access Rights allows the management to improve the productivity. The digital locks can eliminate the security/management vulnerability and inconvenience of mechanical locks.

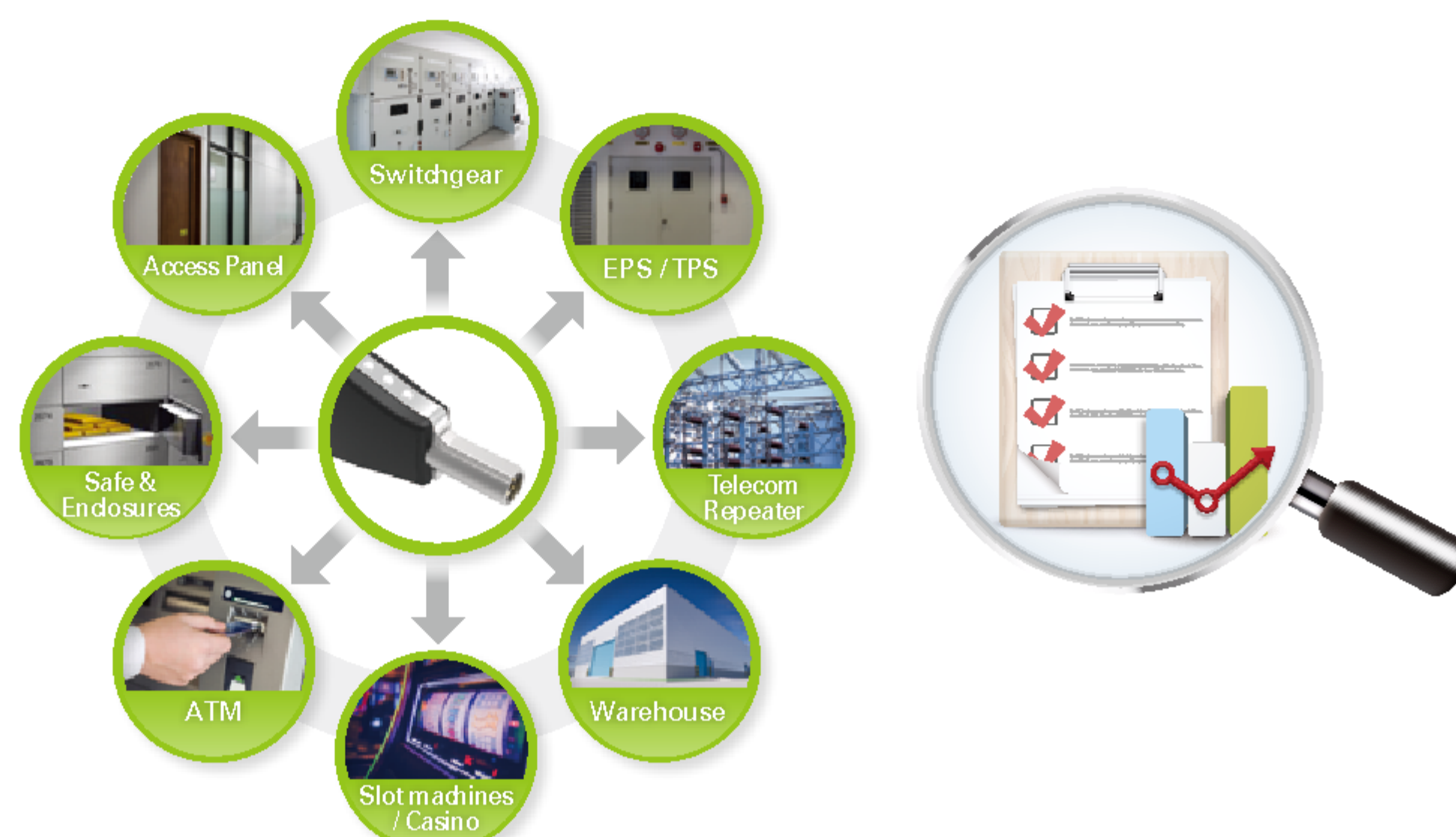
ONE-KEY SOLUTION

AUDIT-TRAIL

Enhanced convenience
and security through
digital cylinder.

One Key to access
multiple locks.

Real-time monitoring of the access
history of locks and keys.



DIGILOG-LOCK SYSTEM

PLATFORMBASE products are designed to blend digital functionalities and analog sensibilities. We provide innovative functionalities while adhering to the functional essence of existing lock systems at the same time.

PLATFORMBASE SMART DIGITAL LOCK SYSTEM allow to maintain mechanical locks' form factors to provide the enhanced UX and UI. Because of the compatible shapes, users can operate just like mechanical lock systems to lock and unlock with great familiarities.

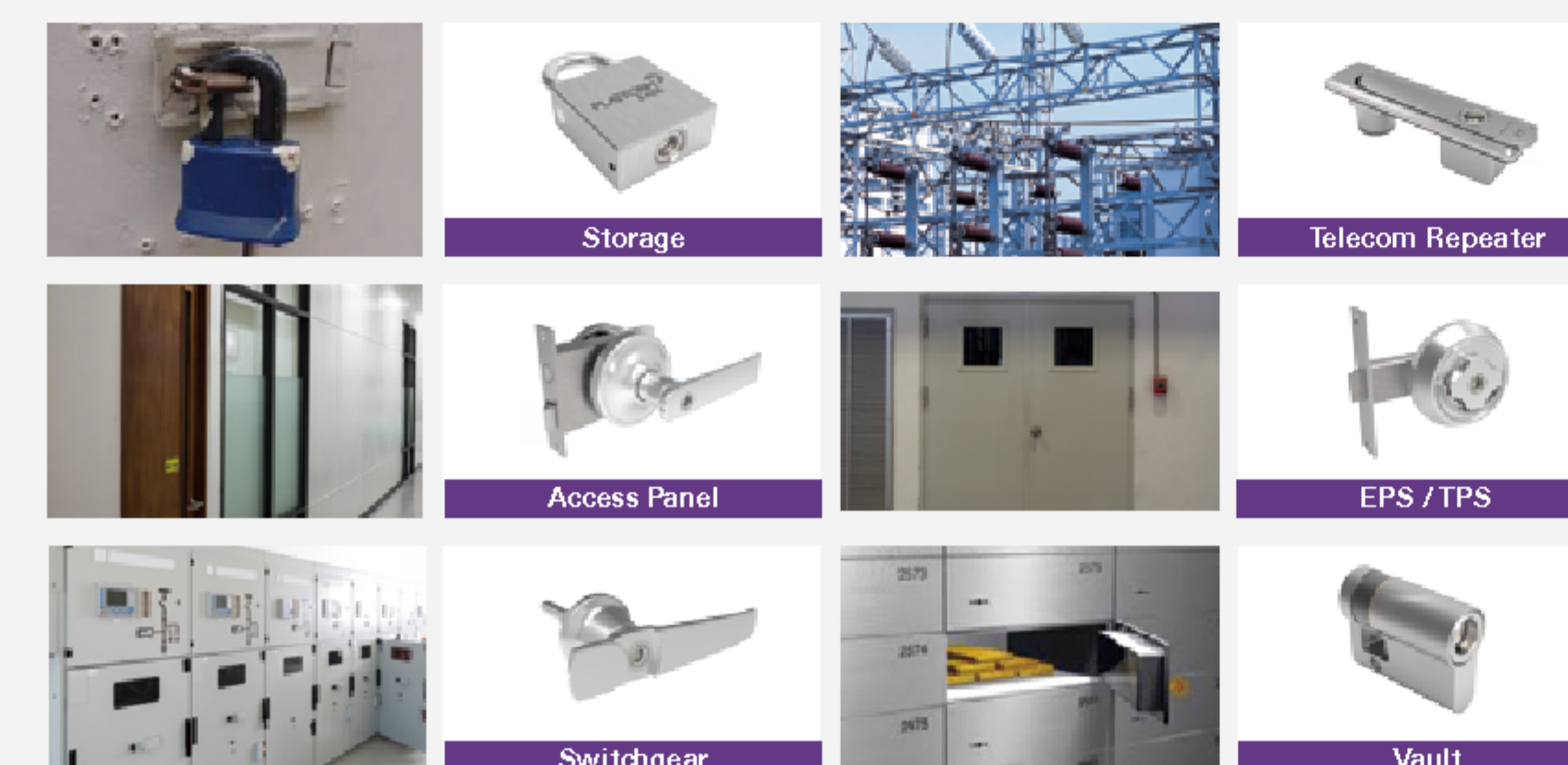
Moreover, our products are designed so that hassle-free replacement of existing mechanical locks is guaranteed.



Smart Digital Lock

Smart Digital Lock that can
be managed with a single key

Use all in one smart digital lock and key management



ICT Compact Digital Security Solution is platform-based solution with enhanced security and convenience for industrial and integrated management



DIGITAL LOCK

- No Lock Picking
- Broad range of product Line-up
- Multi-User access
- No Battery
- Save event logs
- Strong against environmental factors such as electric shock or power failure
- Motor driven Digital Cylinder



DIGITAL KEY

- No Key Duplication
- No need to replace a lock when a key is lost
- Rechargeable battery
- ONE-Key management
- Various Network Module Integration
- Multi Factor Authentication
- Event Log Storage , RTC (Real-Time Clock)

NETWORKING LOCKING SOLUTION



MOBILE DEVICE

- Data Relay

MANAGEMENT APP

- Easy to manage through real-time network
- Save and display event logs
- Set authorization and access schedule to a key
- Real-time process or batch process

MORE THAN SECURITY

SMART SOLUTION

Net-Zero ICT Digital Lock
System for **Access Control**
with **Innovative Certification**
Easy to Use with Single Key

Battery Free Digital Lock!

- Easy Installation: Compact size allows wide installation field
- Safety: No risk of explosion or electromagnetic due to battery-free structure
- Cost Saving: Saving cost for battery replacement/labour and time for maintenance
- Net-Zero: No battery wastes grants lower carbon footprints



New Technology, Patented
and Innovative Product
approved by Korean
Government



Security

- Encrypted Authentication
- Difficult to duplicate the keys
- Prevention of lock picking
- Prevent safety/security incidents by using only authorized locks
- Still Operational In case of blackout (Power/Server/Communication)

Convenience

- One-Key: Multiple keys into a single key
- Multi-User: Multiple keys to access single lock
- Efficient Management: Audit-trail, Date/Time programing for key
- AuditTrail: Digitalized access history for easy management

Scalability

- Digital locks to be installed anywhere in any facilities
- New type of locks can be designed with existing cylinders for consistency
- Integration with other IOT devices through interface
- Various Application S/W available
- Consulting Service available through Raw-Data gathering

SMART KEY

PBK-200



APPLICATION

Power Supply and Authentication for Digital locks.
Communication with Server, Audit Trail, and Dual Mode (Non-Network/Real-time Mode) available.

USB KEY



APPLICATION

Battery Free Key via USB connection with Smart Phone.
GPS/Geolocation Authentication.

PAD LOCK

PBL-241, 240, 243



APPLICATION

Enclosure, Ballot Box, Valves (LOTO), Warehouse, Switch Handle, Fence, Medical Storages, Chemical or other dangerous goods storage.

EURO PROFILE-HALF CYLINDER

PBL-210



APPLICATION

European Standard Size; applicable for various cabinets mounted on a swing handle lock or mortis.

CAM LOCK

PBL-230



APPLICATION

Applied to various small cabinets such as document cabinets, communication cabinets, server racks, CCTV personal safes, casino machines, kiosks, etc.

SWING HANDLE LOCK

PBL-280



APPLICATION

Switchboard/Distribution panel, IT equipment such as Telecom devices, communication equipment, CCTV, kiosk, etc.

L-LOCK

PBL-231



APPLICATION

Various electric cabinets such as medium and large-sized switchboards/distribution pannels.

RIM CYLINDER

PBL-250



APPLICATION

Auxiliary door locks for entrances to factories, warehouses, offices, etc.

CUP HANDLE LOCK

PBL-290



APPLICATION

EPS, TPS, AD, PD, etc. in-building equipment and panel door which electrical wires pass through.

INTERGAL HANDLE LOCK

PBL-270



APPLICATION

Doors for Factory, warehouse, convention center, etc.

• New lock type development available (Utilizing the digital cylinder to expand the types) : One key solution, integrated management, and control solution available.

INNOVATION & POSSIBILITY FUTURE FRONTIER

PLATFORMBASE is recognized by many
as a new leader in physical security for
innovative and market proved technology.

HISTORY



Excellence Awards from
"Hanyang University Start-up Academy"



Granted Prime Minister Award in Korea Invention
Patent Exhibition 2013



Granted Prime Minister Award in Korea Invention
Patent Exhibition 2013



CES2017 Editor's Choice TOP 10

2012~
2014

- Tech Start-up
- Product Commercialization Project (KISED)
- Granted "New Excellent Technology Certificate" from Ministry of Trade, Industry and Energy (MOTIE)
- Granted "Prime Minister Award" in Korea Invention Patent Exhibition 2013
- Quality Management System Certification (ISO9001:2008)
- Selected for "1st Korea Online E-Procurement System for Start-ups" by Public Procurement Service (PPS)

2015~
2016

- R & D Department established (Korea Industrial Technology Association)
- Selected for R&D Project by Ministry of Science, ICT and Future Planning
- Business Development Linked Technology Development Project (BI) (MOTIE)
- Best Award from "Intellectual Property Family 2015" (Suwon Regional Intellectual Property Center)
- KC Certification (National Radio Research Agency)
- IFSEC International Participation ever since 2015
- Design Innovation Enhancement Project (Design Specific Technology Development) (MOTIE)
- Granted Award of Ministry of Trade, Industry and Energy in Technology Protection Section, Innovative Technology Show
- Commendation from the head of Gyeonggi Provincial Small and Medium Business Administration (MSS)

2017~
2018

- 1st Export to Global Telecommunication company in Europe
- Selected for "Best Top 10" in CES 2017 Las Vegas
- Finalist for "Security & Fire Excellence Award" in IFSEC 2017 (IFSEC)
- Incorporated as Platformbase Co., Ltd
- Selected for IP-R&D Supporting Project
- 2017 Small and Medium-sized Enterprises Awarded for Technology Development in Suwon
- Bronze medal in the ICT Patent Management Competition
- Selected for Innovating company in the 1st IBK Changgong project
- Investment Inducement from IBK, one of the leading bank in Korea
- Certified for Corporate R&D Center
- 2nd Export to Global Telecommunication company in Europe

2019~
2020

- 5 Consecutive Participants in IFSEC
- Featured by KBS TV Documentary
- Selected as an industry convergence leading company, industrial convergence item, and certified as an export frontier company.
- Participated in CES 2020
- Exporting to Europe
- KES Innovation

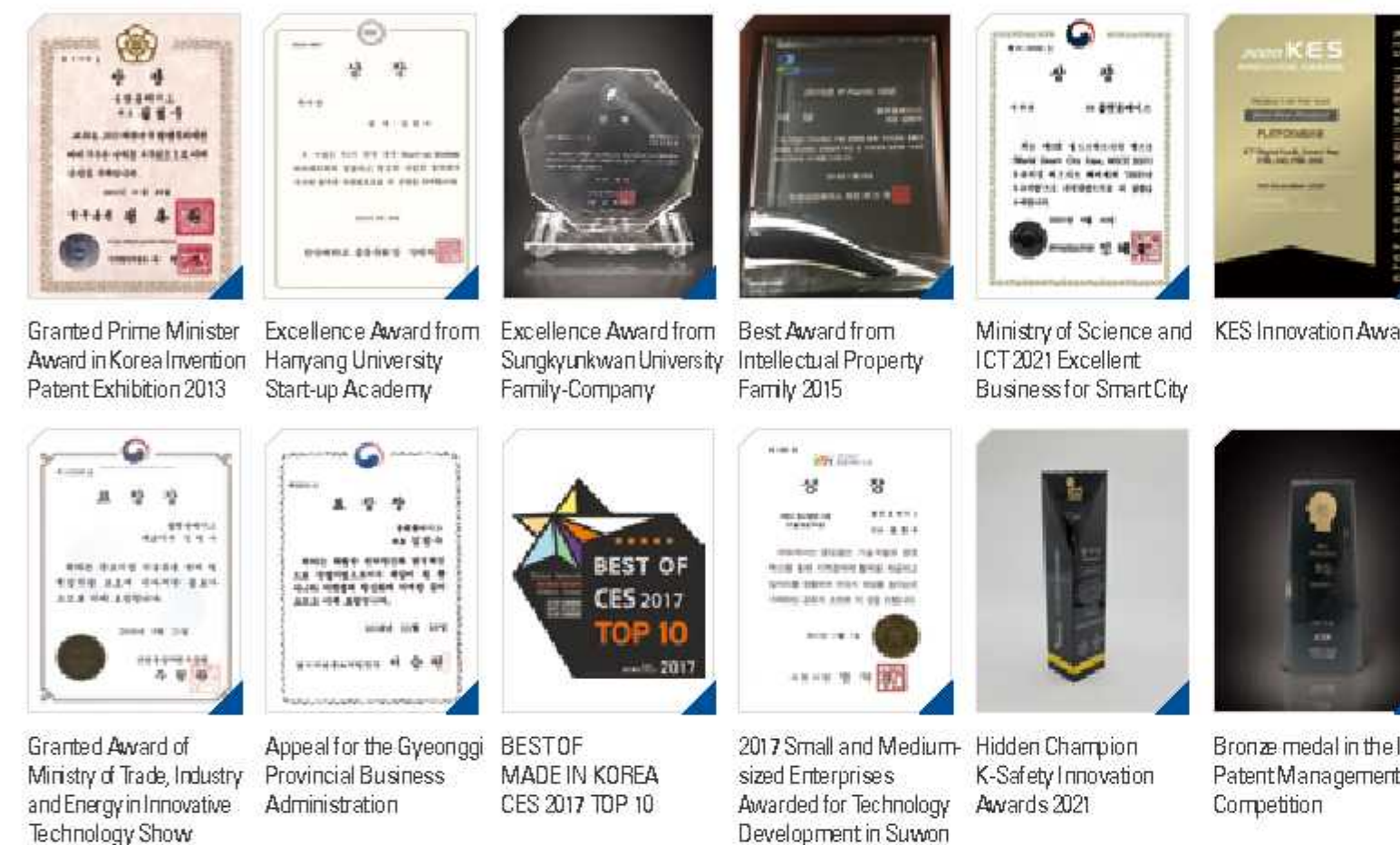
2021~

- Winner of Hardware Cup Korea 2020
- PPS (Public Procurement Service) Innovative Product Social Media Partnership
- Selected as a partner for overseas market explorer (Korea Midland Power)
- Minister's award of "Excellent Business" for World Smart City Expo (Ministry of ICT and Science)
- "Hidden Champion" Award in K-Safety Expo
- Supplied Korea Hydro-Nuclear Power Plant
- Public Procurement Service-Korea Midland Power:
Supplied to two power plants in Indonesia
- Entry into the Japanese electric power market

PARTNERS



AWARD



GOVERNMENT R&D

- | | | | |
|------|--|------|---|
| 2012 | Start-up Item Commercialization Supporting Project (Small and Medium Business Administration) | 2015 | Research and Business Development Project (Ministry of Trade, Industry and Energy) |
| 2013 | Compact Digital lock for industrial security | 2016 | Design Innovation Project (Ministry of Trade, Industry and Energy) |
| 2013 | Small and Medium Business Technology Development Project (Small and Medium Business Administration) | 2016 | IoT Compact Digital Lock System "Innovative Achievement" |
| 2014 | Compact digital lock system with audit trail | 2017 | IP R&D Project (Korea Patent Strategy Development Institute) |
| 2015 | Compact digital lock with enhanced security by applying the technology of small locking device | 2018 | Development of Product Process Improvement Technology (Department of Small & Medium Venture Enterprise) |
| 2015 | Technology Development Project followed by Company affiliated R&D Project (Ministry of Science, ICT and Future Planning) | 2019 | Gyeonggi-do technology development project (GBSA) |
| | | 2019 | Development of digital lock design technology for security facilities and logistics containers for ICT of small locks |

CERTIFICATE



PATENT REGISTRATION

- Patent : Including Korea and Global (14)
- Design : Including Korea and Global (11)
- Trademark : Including Korea and Global (6)



ICT
COMPACT
DIGITAL
SECURITY
SOLUTION



K-Innovative Product for Global Market

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