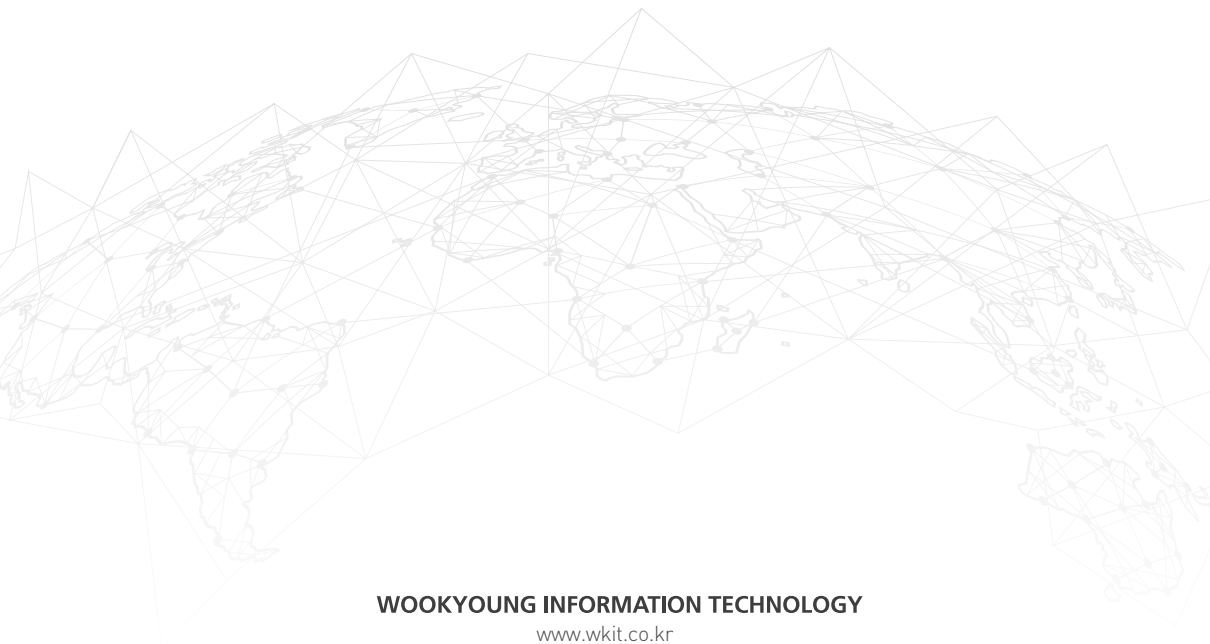




WE KNOW IT CHANGES YOUR LIFE



WOOKYOUNG INFORMATION TECHNOLOGY

www.wkit.co.kr

A GLOBAL LEADER IN ICT CONVERGENCE SECURITY



CERTIFICATION

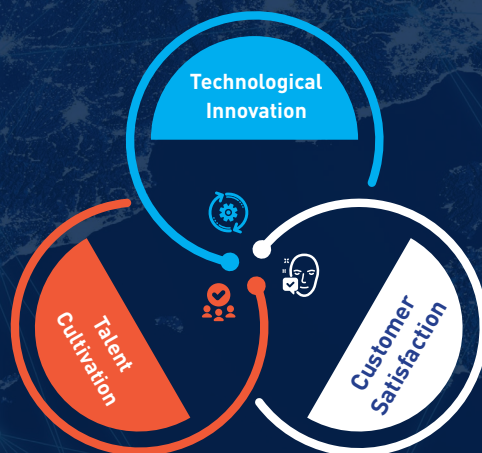


WE KNOW IT

A leading company in intelligent video data security, video recognition and analysis by developing and securing key source technologies through R&D investment in ABC (AI, Bigdata, Blockchain, Cloud) vision technologies and distinctive programs cultivating talents

INFORMATION

Company Name	WooKyoung Information Technology
CEO	Park Yunha
Date of Foundation	December 10, 2008
No. of Employees	115
Business Type	Application software development and supply
Rep	1588-5105
Homepage	www.wkit.co.kr



CHANGES YOUR LIFE

Management Innovation SMB (Main-Biz) Certification

ISO 9001 Certification

Youth-friendly Small Giant Company Selection

Excellent Company for Work Innovation Selection

Promising Export SMB

Promising Export Company

Pre-Star Company

Technical Innovation SMB (Inno-Biz) Certification

21 patent registrations, 7 patent applications, 29 program registrations, 16 trademark registrations, 4 trademark applications, 2 design registrations, 14 international patent applications, etc.

Total 93



HISTORY



- 2008~2009**
- Established the company
 - Transferred to WooKyoung Information Technology Co., Ltd.
-
- 2010~2013**
- Developed a token-based DRM technology
 - Certified as a venture company
 - Developed the closeness-based video surveillance system
 - Established the company-affiliated research center
-
- 2014~2015**
- Developed the ultra lightweight cryptographic video security system
 - Developed the black box image forgery protection system
-
- 2016~2017**
- Launched a video information security solution: SECUWATCHER for CCTV
 - Launched SECUWATCHER for CCTV Image Security ver1.0 / Acquired GS Level 1 Certificate
 - Launched SECUWATCHER for CCTV Image Export ver1.5 / Acquired GS Level 1 Certificate / Acquired KTL Certificate
-
- 2018~2019**
- Registered procurement of intelligent image solution (expanded B2G market)
 - Launched SECUWATCHER for CCTV Image Security ver 2.0 / Acquired Level 1 Certificate/ Registered procurement
 - Launched SECUWATCHER for CAMS / Acquired GS Level 1 Certificate
 - Launched SECUWATCHER for Hi-VS / Acquired GS Level 1 Certificate
 - Designated as Daegu's Star Company by Ministry of SME and Startups
 - Signed a contract of 'USD 500,000 sales deposit' with MK TECH
 - Won the Daegu SME Excellent Award
-
- 2020**
- Developed deep learning-based, intelligent image security/analysis technology (expanded B2B and B2C markets)
 - Held the inaugural ceremony of new office and relocated the headquarter
 - Concluded a 'technology partnership' with Crystallite Pakistan
 - Registered procurement of SECUWATCHER for CCTV image encryption, CAMS and Hi-VS
 - Launched a cloud-based video masking web service (expanded MOSAICER and B2C market)
-
- 2021**
- Selected as a high growth company in Software High Growth Club 200 (by Minister of Science and ICT)
 - Transferred KI Cloud (SUPERCOR) technology for building a cloud platform and services - Won the grand prize of KiTSi New SW Product Award (Minister of Science and ICT Award in General SW category, SECUWATCHER for CCTV Enterprise System, Ver. 2.0)
 - Selected as the SW Leader in SW2021 / Received the MOTIE Award in 'Business Celebration Day'
 - Designated as Daegu's Star Company
 - Received IoT LWM2M (standard protocol for IoT devices management) TTA Certificate

RESEARCH AND DEVELOPMENT

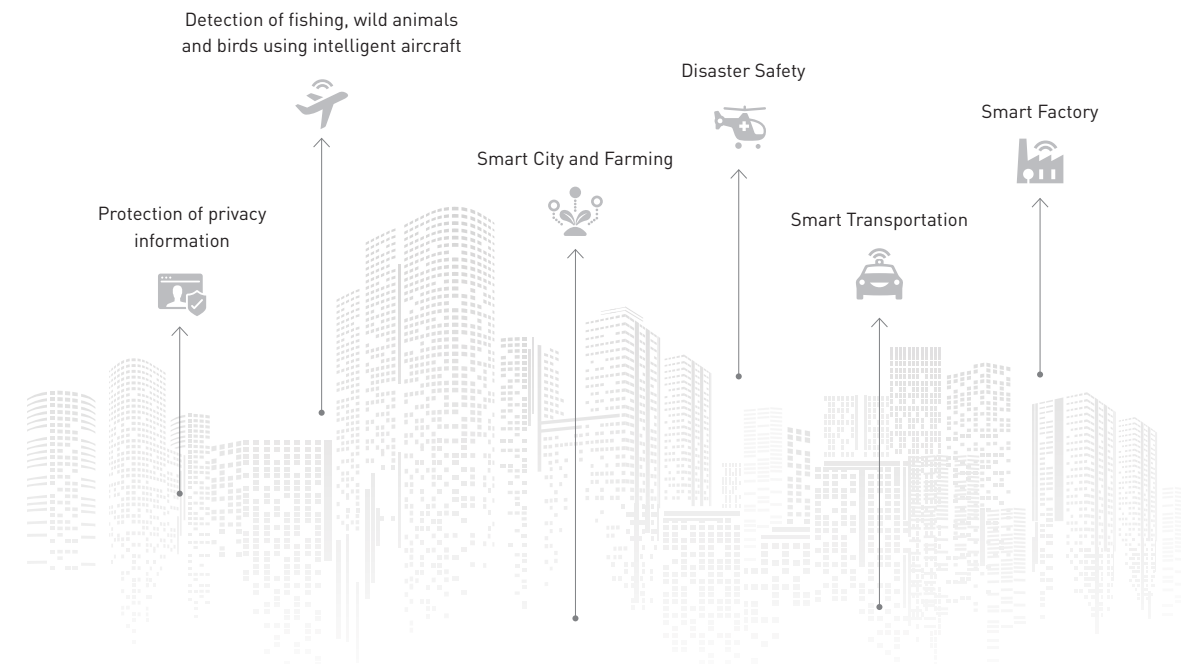


Wookyoung Information Technology Co., Ltd. is developing/launching solutions and platforms in various areas by making large R&D investment in the field of vision technology comprised of key future technologies ABC (AI, Bigdata, Blockchain, Cloud).

WCloud-based IT Infrastructure Resource Management Technology



Data-based Intelligent (AI) Image Analysis



KEY BUSINESS AREAS BASED ON ABC VISION TECHNOLOGIES



AI-based Social Safety and Disaster Safety Net Solution

- Smart Fences
- Detection of wildfires, wild animals and birds
- Q-Rius (Response to COVID-19, Contact-free)
- SECUWATCHER for Safety (On-site Worker Safety Management System)

AI-based video surveillance and privacy solution

- SECUWATCHER for CCTV Image Export
- SECUWATCHER for CCTV Image Encryption
- SECUWATCHER for CAMS CCTV Asset Management
- Video masking web service for MOSAICER
- Privacy protection solution exclusively for CCTV in operating room
- All-in-one AIO-NVR for video export masking

AI-based Intelligent Image / Face Recognition and Analysis Solution

- SECUWATCHER for Hi-VS (High-speed Image Search Solution)
- Smart Monitoring
- Bus Boarding and Alighting System
- Access Control

Big data-based Smart Farming Control Solution

Cloud-based IT Infrastructure Resource Management Solution

- W-Cloud

Blockchain-based Life Cycle History Management Solution



KEY SOLUTIONS



SECUWATCHER for CCTV image export

SECUWATCHER for CCTV image export is a safe online image export system designed to protect privacy based on the Personal Information Protection Act.

PERSONAL PRIVACY PROTECTION

- Support object detection function
- Personal privacy masking function based on the PIPA
- Provides an Automatic / Manual object detection and selective object tracking function
- Provides a function to limit the number of playbacks and playback period by applying DRM
- To play a video, the user password must be entered

VIDEO EXPORT MANAGEMENT

- Online video export request (Web, Mobile)
- Provides various information (usage status) and statistical charts through dashboard
- Systematic video export process through management server
- One-stop management of the entire process of system subscription, application, approval registration, viewing and export

VIDEO TAMPERING PROTECTION

- Support an image and text watermark system
- Zero water marking technique that is robust against video attacks [Compression, Modulation, etc.]
- In case of video leakage, trace the leakage route
- Provides over 90% detection rate using deep

DEEP LEARNING OBJECT DETECTION

- Provides detection of various object such as vehicle/license plate, human/ face, etc.
- Detection rate can be increased by additional deep learning
- Possible to add type of detection objects

SECUWATCHER for Security Footage Encryption

PERSONAL INFORMATION PROTECTION (Privacy Protection)

- Sets user password and a folder for saving encrypted CCTV videos
- Checks the newly created CCTV video files in a set folder and saves it after encryption
- Decodes the encrypted CCTV video file
- Encrypts and decodes using LEA-128 encryption algorithm, the lightweight encryption algorithm

IMAGE EXPORT AND DECODING SYSTEM

- Manages systematic video decoding process through servers
- Sends application of image decoding using system for exclusive players (application)
- Accesses all kinds of statistical data and charts using data extracted from the system
- One-stop management for the entire cycle, from system registration and application to approval, registration, archive, export, etc.
- Encrypts log in/out password changes and searches log in generation in setting of folder path

EFFECTS

- Complete privacy protection in CCTV data according to the Personal Information Protection Act
- Privacy protection through complete encryption when saving CCTV data
- Establishment of additional encryption security measures by encrypting images of which actual images that were previously saved without a system



Secuwatcher for CAMS, (cctv) asset management

SECUWATCHER for CAMS is a software that supports the integrated CCTV asset management, including web-based attendance management of control personnel, equipment management, equipment inspection log management, equipment failure management in a web environment.

Personnel management



Security camera management



Device inspection management



Device malfunction management



SECUWATCHER for Hi-VS High-speed Video Searching

SECUWATCHER is an advanced video searching solution that tracks travel routes by detecting and re-recognizing people and vehicles in CCTV videos, using deep learning-based video analysis technology and GIS.

FACE RECOGNITION

- Upload face image for recognition
- Face area detection through CCTV video analysis
- Search uploaded face information, compares detected faces and recognizes similar objects

VEHICLE FEATURE ANALYSIS

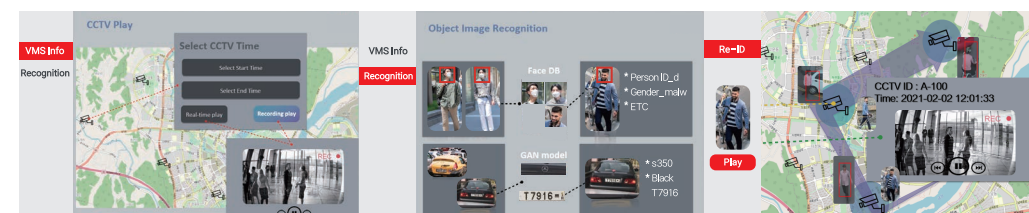
- Vehicle area detection and storage through CCTV video analysis
- Detect and save license plate number area in vehicle images
- Vehicle model analysis and license plate recognition from vehicle images

DETECTION AND TRACKING OF MOVING PATHS

- Based on GIS, search targets within video image can be specified and search range can be set
- Image analysis and object detection within the set range
- Selecting the same object and checking its location by comparing the target detection and simil

VMS LINKAGE SUPPORT

- Ability to check information anytime, anywhere
- Available to search the specific video using VMS without file movement

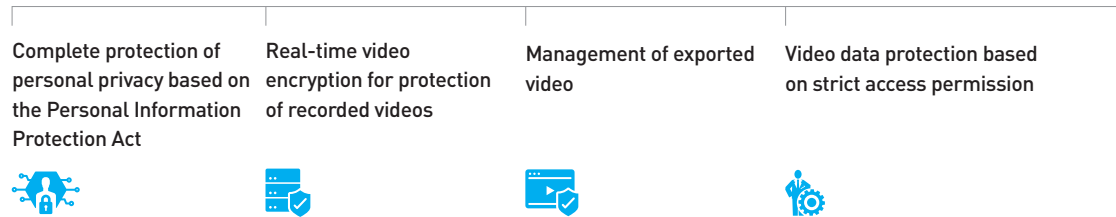


KEY SOLUTIONS



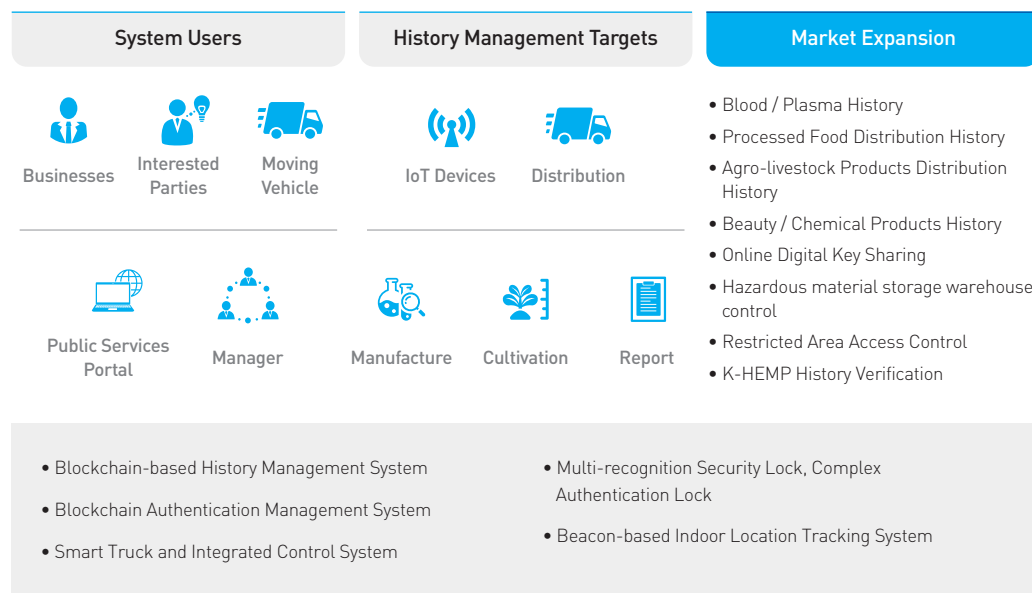
Video Security Solution for CCTV in Operating Room

In response to the amendments to the Medical Service Act requiring mandatory installation of CCTVs in operating rooms, the video security solution for CCTVs in operating rooms provides safe storage of videos recorded in operating rooms and supports privacy protection. It is an integrated solution of Network Video Recorder (NVR) and video data security, using AI and video encryption (LEA-128) technologies.



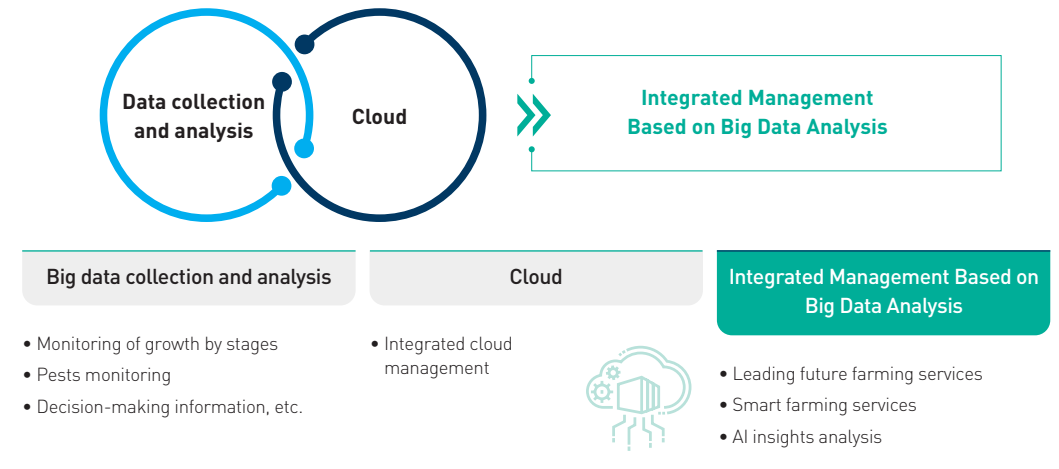
Block chain based, process history management solution

The Blockchain-based Life Cycle History Management Solution is a distribution management solution that enables integrated management of all industrial cycle of raw materials and products (production / manufacture / distribution) and all industrial cycle of growth of crops (cultivation/ harvesting / commercialization / distribution).



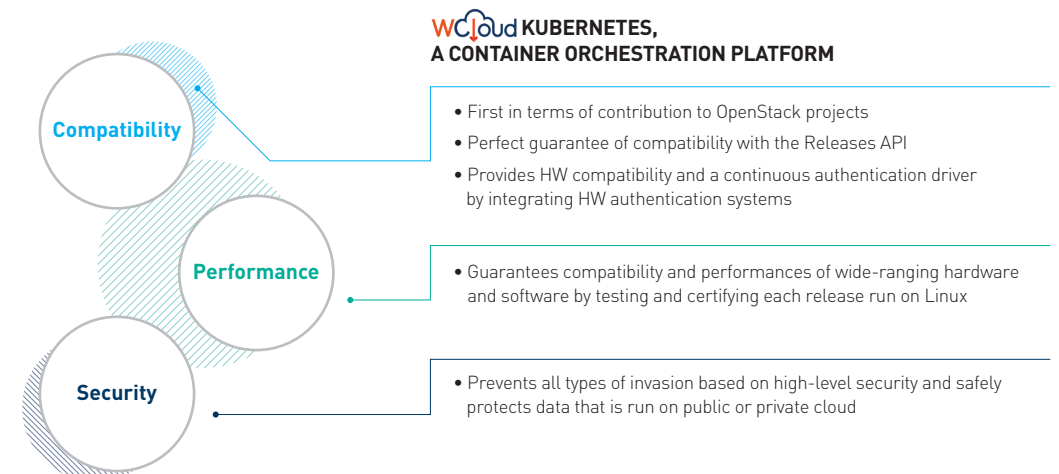
Big Data-based Smart Farm Control Solution

Big Data-based Smart Farm Control Solution is an integrated control solution, which provides farming services suitable for each growth stage and situation, by collecting and analyzing on-site data generated from various farming environments using big data and cloud.



W-Cloud Platform

W-Cloud Platform is a platform that is created by combining the advantages of Linux and OpenStack's cloud platform, which provides expandable and safe foundation for creating private or public cloud while enabling stable platform maintenance for the distribution of production environment.



KEY SOLUTIONS

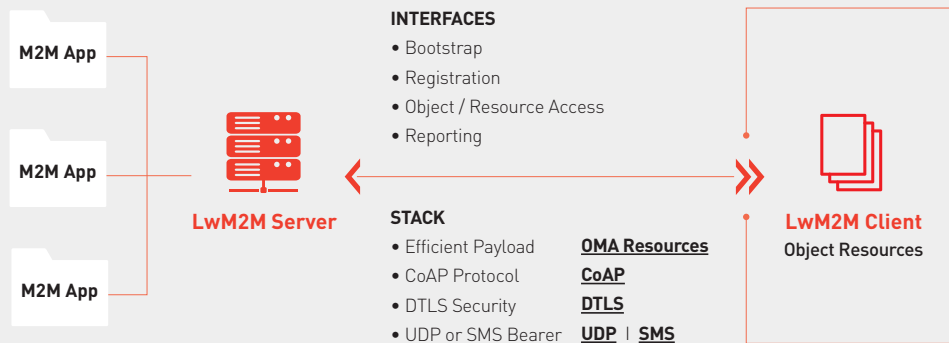


LwM2M-based IoT Solution



LwM2M-based IoT Solution is a centralized server designed to provide IoT services that adopts lightweight protocols for international standards. It contributes to promoting the IoT ecosystem in various industries for remote device control for IoT devices and mobile communication devices.

LwM2M Architecture



LwM2M IoT Server



Integrated Platform for Smart City

The Integrated Platform for Smart City is a platform that provides various urban services to citizens by integrating various services including security, fire, disaster, transportation, environment, energy and support for the socially disadvantaged. It integrates and combines innovative technologies in Industry 4.0, such as urban control, spatial information, big data, AI, etc. to resolve various urban problems and to improve quality of life.

Supports CCTV videos for emergency



Supports 112 emergency dispatch



Supports 119 emergency dispatch



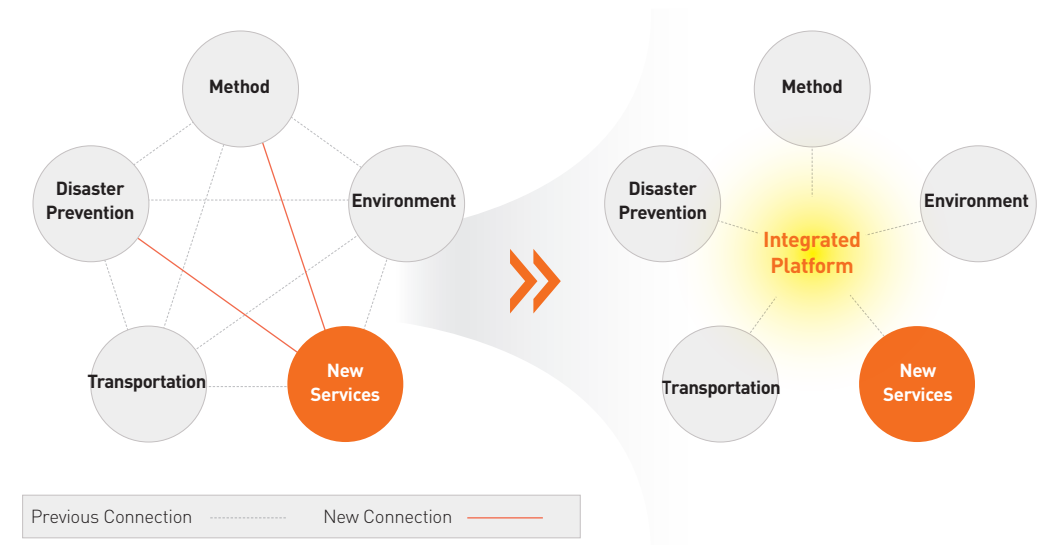
Supports emergency disaster



Supports the socially disadvantaged



Integrated platform S/W concept



The No. 1 leading Korean AI company
in intelligent privacy security and analysis / search

Building and
expanding the
foundation of W-Cloud
business

Expanding
the global
market

Increasing
revenues of
ABC-based
businesses

Diversifying B2G-B2B
platforms and applying /
expanding B2C

Present

Future

A global leader in ABC
vision technology-based platform

wkit WOOKYOUNG
INFORMATION TECHNOLOGY



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E-BROCHURE



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