

Company Introduction



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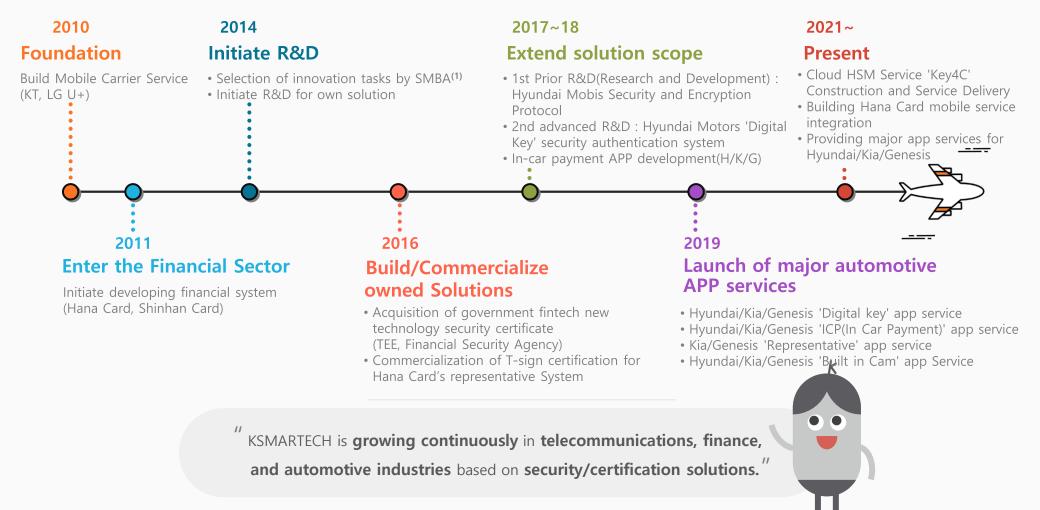
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Our Career



Our Career





Our Growth







Our Awards



Our Awards

B HYUNDAI **Grand Prize at IoT INNOVATION Award**

Hyundai Motor Digital Key Smartphone App Service

KEB Hana Card **Grand Prize at** Web Award Mobile Web

> Hana Card Mobile Homepage Web Awards Korea - 2018.12

Grand Prize at UI/UX Innovation

Hana Card representative website



- SMBA: Small and Medium Business Administration
- SMBT: Small and Medium Business Technology
- TTA: Telecommunication Technology Association
- SMEs: The Minister of Small and Medium-Sized Enterprises and Startups



Reliability

Award Certificate

Seoul economic revitalization job creation

Award Director of SMBA(1) in field of technology protection

The 17th SMBT⁽²⁾ Innovation Competition

Received a commendation from the Minister of SMEs and Startups (4)

2021 Venture of the Year Award in Corporate Category

→ GS authentication acquired 4 Cases

WBC-based T-sign for iOS V1.0 etc. Korea TTA(3) - 2019.07

→ IoT Product Security Certification

Hyundai Motor Digital Key Smartphone App Service KISA - 2019.05

Fintech New Technology

FinTech New Technology Assessment (TEE) Security Review Completed

Cloud Security Assurance Program

Cloud HSM/KMS Service "Key4C" [KISA - 2023.03]

Designated as "Hi Seoul" brand company

T-sign

Received a commendation from the Minister of Science and ICT

2021 Information Communication SME development merit category

Ministry of Science and ICT – 2021.11



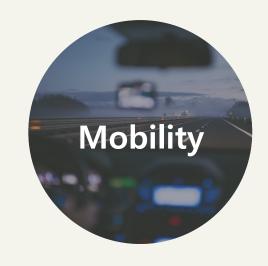
Business Areas / Features



Business Areas / Features







S System Integration

SM System Management

Solution

- Build APP/WEB in the financial sector
 - Build 'Hana Card' Representative App and Payment System
 - Build 'BC Card' Tourism app and system
 - Build 'Hana Capital' Representative App
- **Build Hyundai Motor Group APP/WEB**
 - Build specific services and Representative APP/WEB
 - Build commercial vehicle system APP/WEB

- Hana Card mobile service operation
- Hyundai Motor Group service operation

Integrated operation of

- Digital Key Service
- Built-in Cam Service
- In Car Payment Service
- Genesis Representative App

- **Key Management Security Solutions**
 - Zero Trust-Based Key4C
- **Financial Security Authentication** Solution
 - Application of personal secondary authentication method
- **Automotive Key Security Solution**
 - Hyundai / Kia / Genesis Digital Key

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Our Solutions

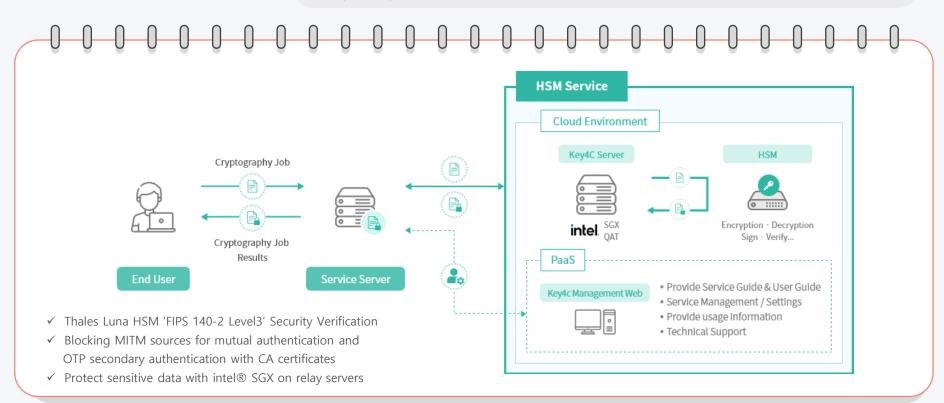


CloudHSM

(Key4C)

Hardware Security Module (HSM) equipment is no longer required to be purchased or installed directly.

It is a security solution that provides HSM functions such as certificate management, key management, and monitoring on a web console basis by building a standard security interface (PKCS#11) library so that you can quickly, conveniently, and safely use the hardware security module(HSM) that strongly generates and protects encryption keys in a cloud environment.



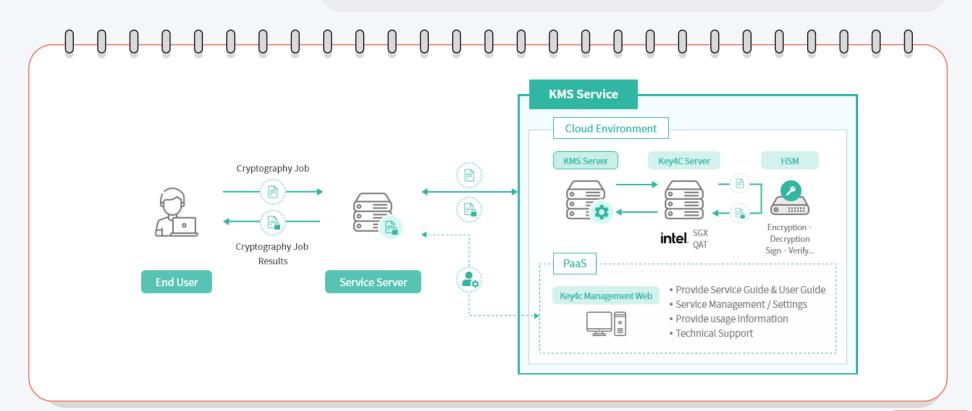


KMS

(Key4C)

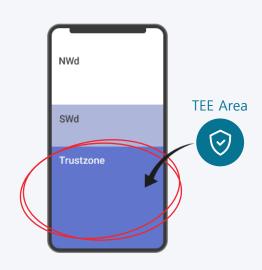
Key Management Services (KMS) that do not use the Hardware Security Module(HSM) are not complete.

This is a key management service that manages the lifecycle of a key and provides various functions for key management, such as generation, storage, backup, recovery, and disposal of encryption keys, based on the Hardware Security Module (HSM), providing strong security and convenience.



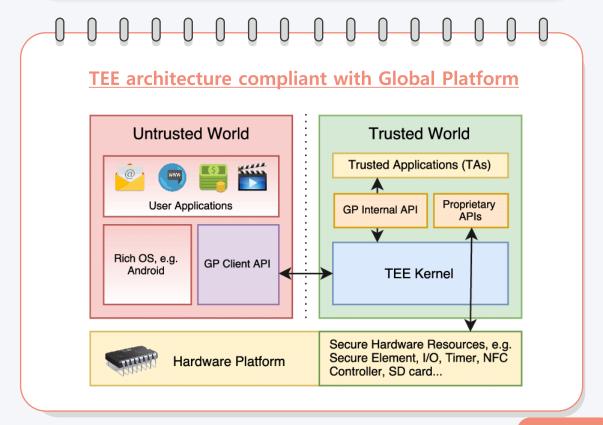


T-base Security



Solution utilizing the hardware security area in smartphone AP(CPU)

T-base Security solution utilizes TEE (Trusted Execution Environment), which is the physical security area of the smart terminal CPU, to safely operate major Data Storage / Authentication / Key Management. "





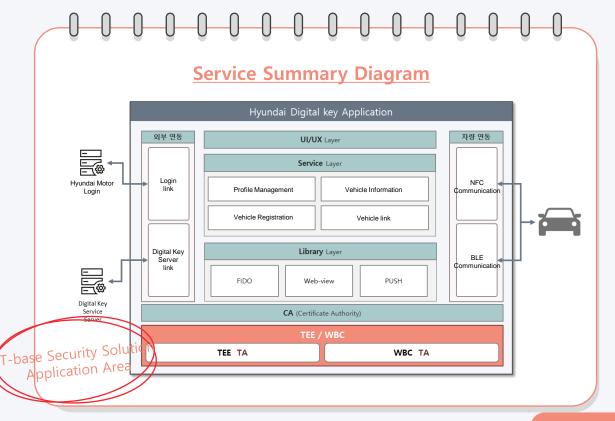
T-base Security

(Digital Key)



Operation of major data storage and management in the Trustzone's secure environment

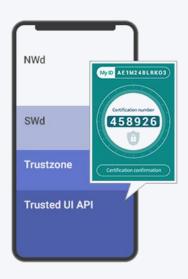
Digital Key service using T-base Security is a solution that safely operates key data storage and key management using **TEE** (Trusted Execution Environment) and **WBC** (White Box Cryptography)."





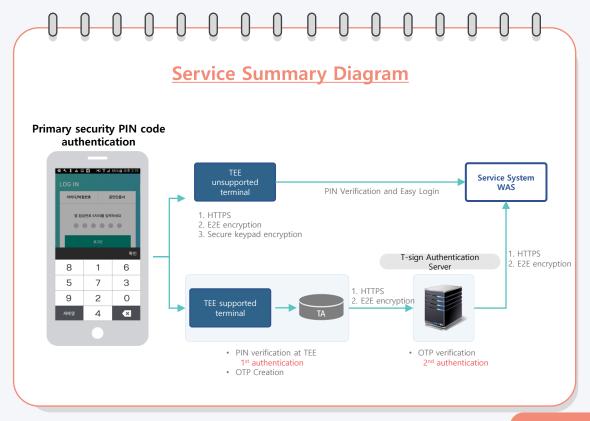
T-base Security

(T-sign)



The user confirms the authentication number created in Trustzone through the Trustzone UI API.

"The **T-sign authentication** service using T-base Security, is a 2 Factor 2 Channel authentication method that performs secondary authentication by delivering the OTP generated in the TEE area after primary authentication through PIN code. It is an authentication solution that provides enhanced security without compromising user convenience. "





Our Technology Experience



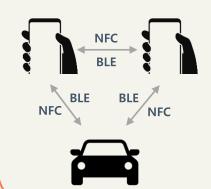
Our Technology Experience



Short-distance communication service **Knowhow**

(NFC / BLE)

- Credit card registration with NFC
- Proximity user authentication
- Data Transfer between devices
- Implementation of encrypted data in device-to-device communication





Cloud/On-premise environment-enabled encryption solutions

(Cloud HSM/KMS)

- Zero-Trust Based Design Solutions
- Create/Manage a Powerful **Encryption Key**
- Implementation of the Key to Security Solution
- Web channel encryption, DB security
- OTP & MFA
- File system encryption



HSM-based arm/decryption key generation, management and application



Communication/ control function between vehicle and mobile

(ignition / door opening / autonomous parking, etc.)

- Implementation of vehicle start, function control, etc. in APP using Hyundai Motor's Digital Key
- Interlocking/building automatic parking system



Vehicle Control / Communication



Hyundai Motor Digital Key



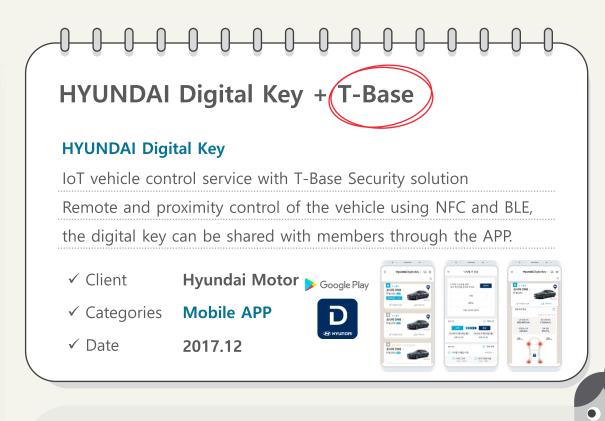


Our Technology Performance



Our Technology Performance 1/4





"If a vehicle produced by Hyundai Motor Company has a digital key function, You can **start and drive** your car with your **smartphone**."

K smartech



KIA Digital key

- ✓ Client **Kia Motor**
- ✓ Categories **Mobile APP**
- ✓ Date 2019.12







North America Digital Key

- ✓ Client Hyundai Motor(North America)
- ✓ Categories **Mobile APP**
- ✓ Date 2019.12





GENESIS Digital key

- ✓ Client Genesis
- **Mobile APP** ✓ Categories
- ✓ Date 2020,01









China Digital Key

- ✓ Client Genesis
- √ Categories Mobile APP
- ✓ Date 2021.10

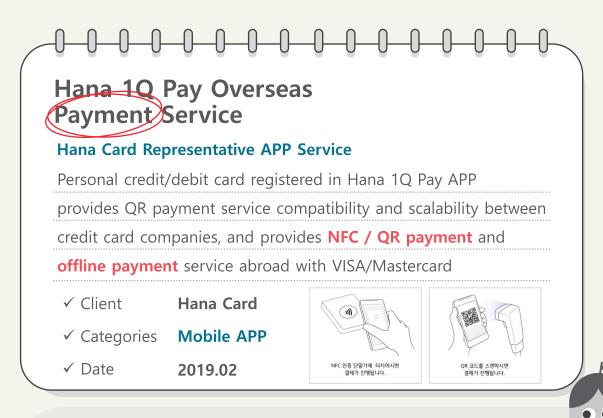






Our Technology Performance 2/4



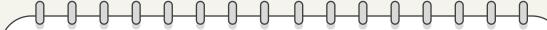


"With just one card registration, you can easily **pay**online or offline without a physical card."



Our Technology Performance 3/4





T-sign Convenient / Simple Authentication Service

Hana Card Representative APP Service

Simple authentication login service based on the TEE zone

(TrustZone) in the self-authentication required when using the card service in the Hana Card mobile app. Additional development of fingerprint authentication and web-linked function.

✓ Client Hana Card

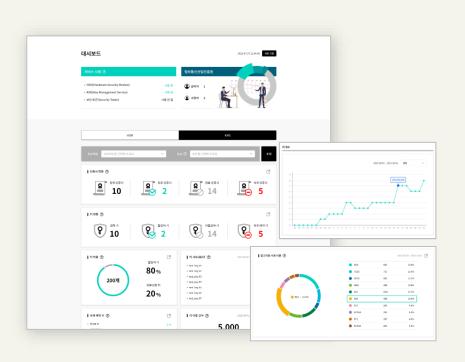
✓ Categories Mobile APP

✓ Date **2016.11**

"It is a security service unique to Hana Card that safely stores various personal information such as app lock number and fingerprint in the TEE security area!"



Our Technology Performance 4/4





Hardware Security Module/Key Management Service

Provide HSM in cloud environments that strongly generate and securely protect/manage encryption keys used in encryption, HSM-based Key Management Services are also available

- ✓ Client KT Cloud, Olacle Marketplace
- ✓ Categories Web
- ✓ Date 2023.03 Launching



Cloud Security Assurance Program

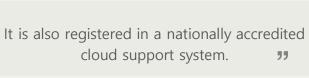
Acquired in March 2023

Cloud Service Verification System

Acquired in December 2022

PaaS-TA Platform Compatibility Certification

Acquired in November 2022



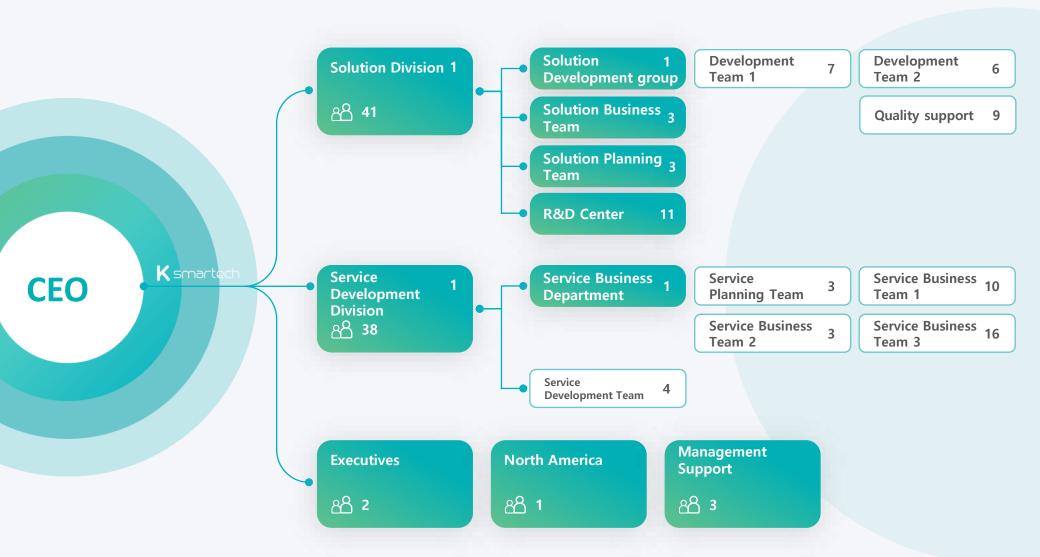




Our Team

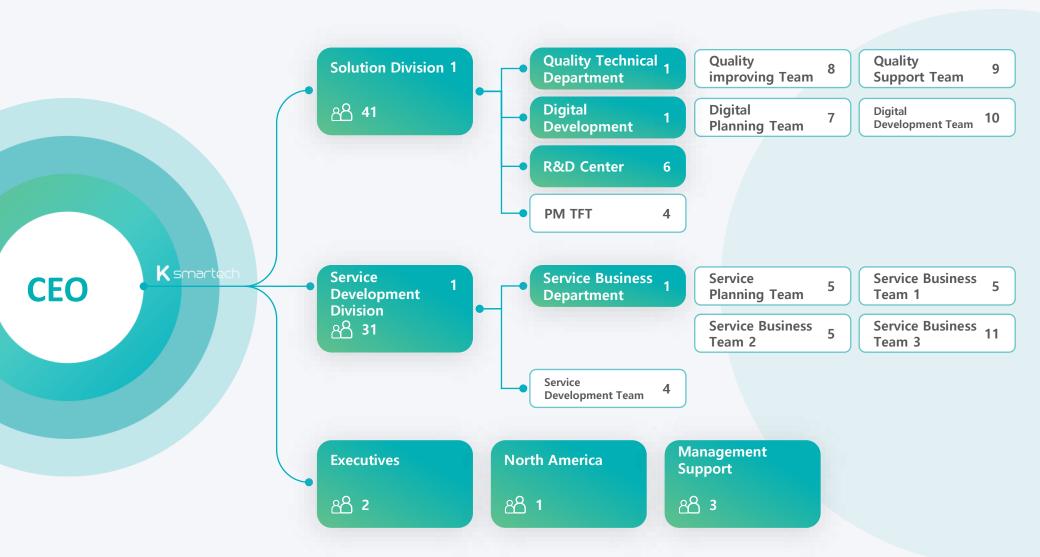


Our Team





Our Team



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Thank You



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