



DID SaaS for enterprises

Web3/Blockchain
Enhancement Group

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Who we are

Mission

“Through the next-generation web ecosystem,
we aim to achieve **a fair digital world.**”

Vision

“**The primary IT partner** that customers are seeking
in the Web3/Blockchain field.”



Major Blockchain References



Blockchain Value	Domain	Blockchain References
Trust-based Data Sharing (Forgery Prevention)	Tokenization	<ul style="list-style-type: none"> Nohyup Bank, NFT Issuance and wallet service Hoseo University, NFT Issuance Bitthumb Meta(Digital Asset SP), NFT issuance/distribution platform Nonghyup Bank, Woori Bank, Shinhan Bank, Simulation Proof of Concept for the issuance of the Bank of Korea's Central Bank Digital Currency(CBDC) Mobile voucher platform for KOMSCO
Digital Sharing Economy (Data Sharing and Compensation)	Decentralized ID	<ul style="list-style-type: none"> "DID SaaS" onboarding LG CNS(Jan. 23), LG Academy, BizTech I(Subsidiary), Dong-A Socio Holdings (in process), LG Science Park, LG Chemical Yoido ParkOne Region(pilot) around 20,000 users Ministry of the Interior and Safety, Mobile Driver's License Ministry of the Interior and Safety, Mobile Civil Service ID card, Sejong Smart City, Blockchain based trust autonomous driving platform
Decentralized Identity based New business opportunities	Track & Traceability	<ul style="list-style-type: none"> Ministry of Food and Drug Safety, Imported food safety data platform Sejong Smart City, Blockchain-based smart digital freight bill platform Jeju island, Blockchain based tracking system of EV cars' reusable batteries Jeju island, EV Cars' battery life cycle management system LG U+(Telco), Smart Insurance Claims for Mobile Devices Julla Namdo(province), Distribution platform and service for eco-friendly agricultural products based on Blockchain
Business Process Innovation (Speed & Cost Reduction)		

Forming a DID-based ecosystem

01 Forming a DID Ecosystem

Public

- Introduction of DID-based mobile IDs
 - Mobile civil servant card
 - Mobile driver's license

Finance

- Promotion of the introduction of DID mobile ID led by the KFTC(Korea Financial Telecommunications & Clearings Institute)

Private

- KYC via smartphone
- Expansion of DX services like metaverse

02 Mobile Driver's License Use Case



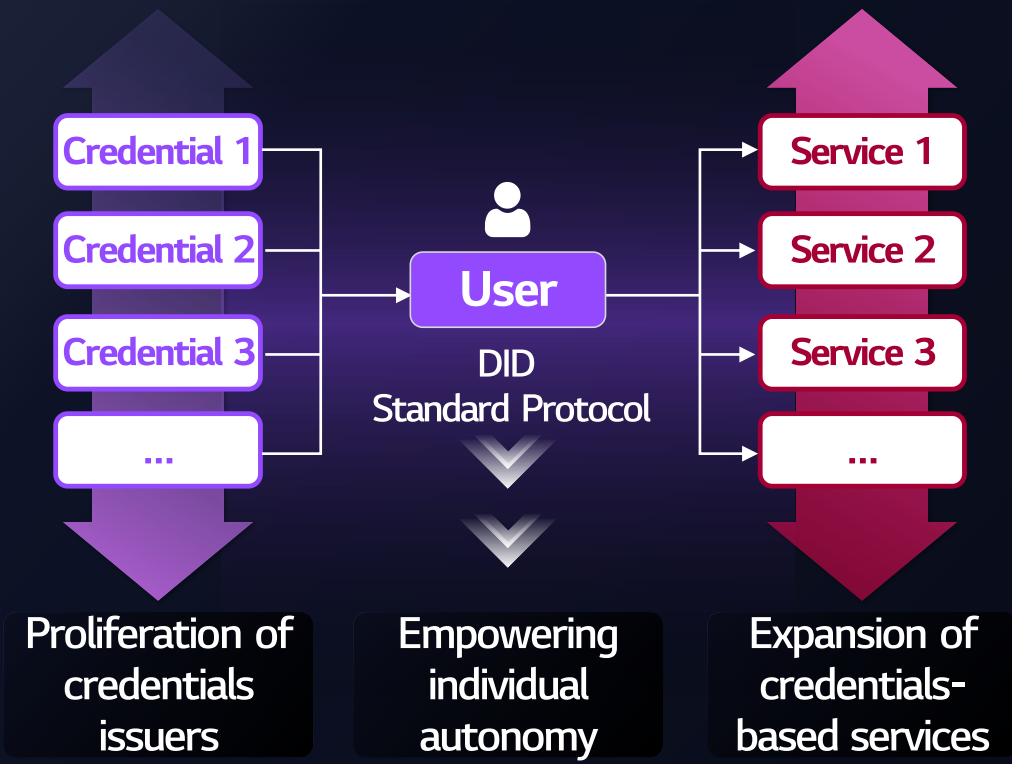
01

DID as a Service

Why DID SaaS (Subscription-based Decentralized Identity)



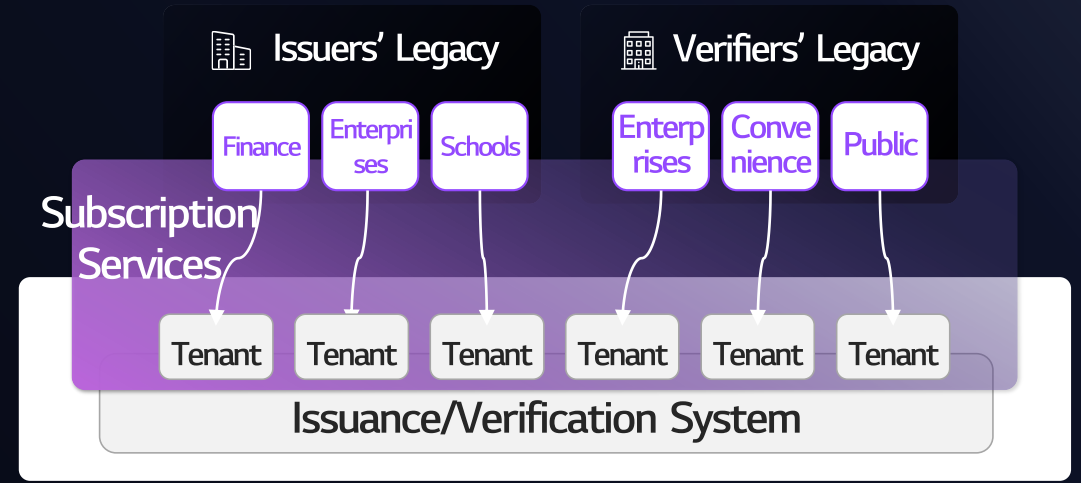
01 Expanding a DID ecosystem



02 DID as a Service

Minimizing efforts to secure a separate ecosystem through participation in an established ecosystem

- Cost reduction without an individual infrastructure at the level of legacy integration and cost saving for operation



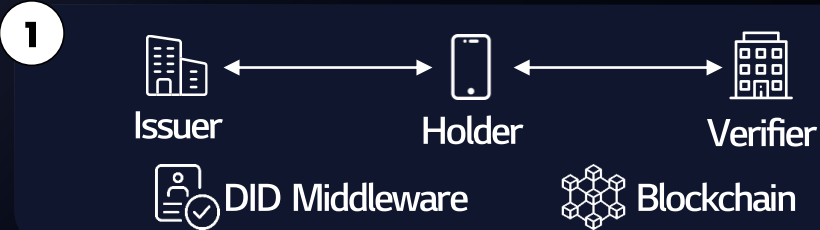
02

Onboarding onto the DID ecosystem

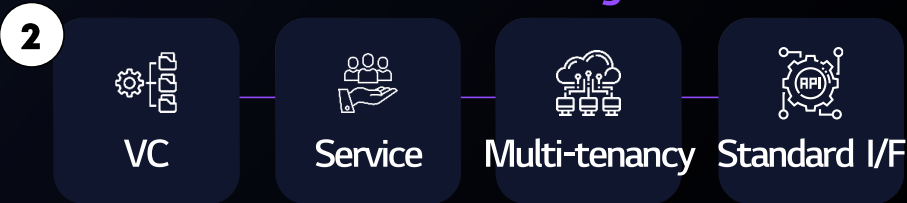
LG CNS DID as a Service

01 DID as a Service "cidi"

DID VC Issuance/Verification Service



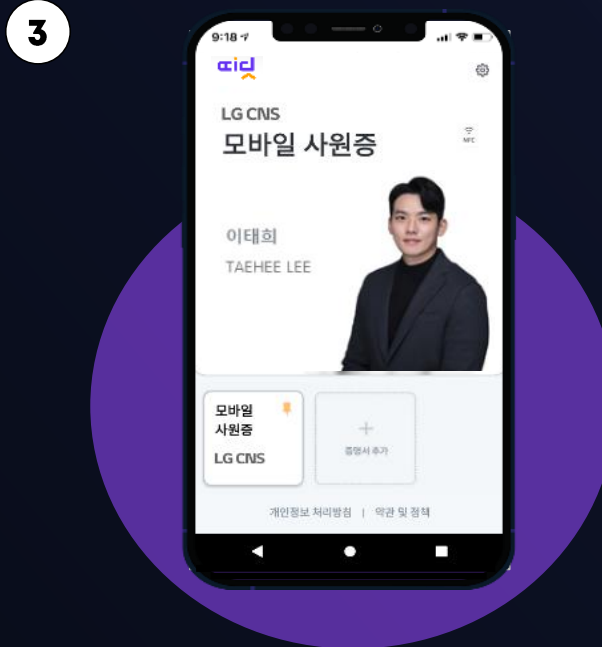
DID VC Service Management



- Ability for participating organizations to independently issue/verify certificates
- Flexible service configuration through decentralized & independent structure and mobile app



02 Mobile Employee ID



- Implementation of LG CNS standard security access protocol
- Integration with convenience facility terminals
- Expansion of internal and external services by DID VC

01 DID Verification

- Reducing the burden of massive accumulation of personal information and third-party sharing
- Expanding user services in a form that minimizes sharing of personal information with other companies in a decentralized ecosystem

Corporate Level

Individual Level

- Secure personal information usage that is focused on individuals and controllable by themselves

02 Distinctive Feature

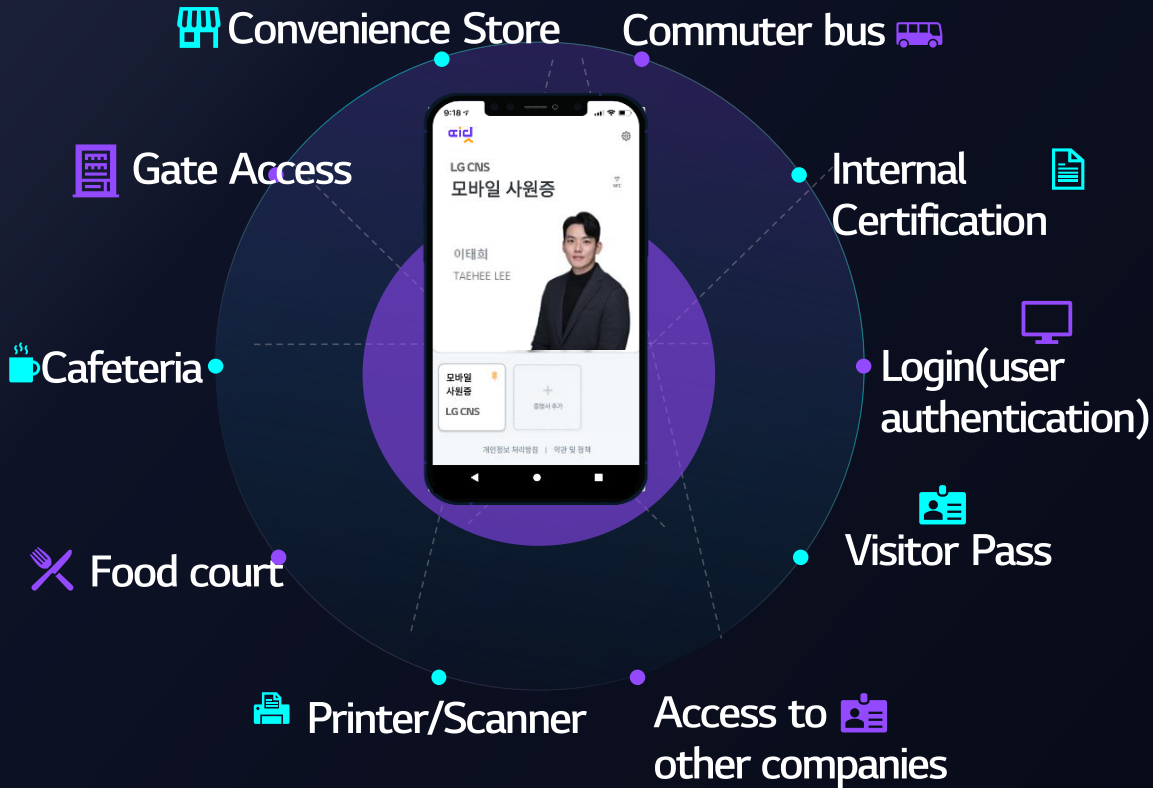
- Overcoming R&D barriers through the adoption of DID standard technology
- Universalization of private certificate issuance tools for companies
- Cost and time reduction in initial implementation through subscription-based services, with usage-based billing during operation
- Diversification of Employee eXperiences
- Decentralized management of personal information by participating organization
- Use of DID in an untraceable form for personal information submission
- Practical on/offline interfaces for certificate usage (supported NFC/BLE, QR, API)

02

Onboarding onto the DID ecosystem

Employee eXperiences towards Digital Innovation

01 Where to use now



02 Where to use more

- Existing office access control
- Employee payment at the restaurant/café
- Convenience store payment
- Payment at the snack corner
- Printer/scanner authentication
- Commuter bus/ shuttle bus tagging
- Third-party long-term access card
- One-time visitor pass
- Internal certification
- System login
- Seminar, conference application/attendance



03 Web3 Journey via DID



Journey to Web3

through Self-sovereign Identity
Verification provided by
DID SaaS



Web 3 Core Value



Decentralization of
Data Control and Management

Guarantee of Individual
Data Ownership

Transparency of Transactions



DID Value



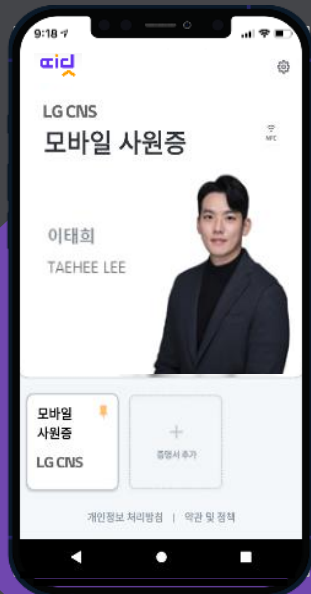
Direct Control of
Owner's Identity Data

Guarantee of Ownership
Rights for Identity Owners

Transparency in Personal Data
Processing

03 Web3 Journey via DID

Transition from traditional card-based identification to integrated mobile identification with online/offline capabilities and the adoption of digital wallet technology



Mobile Employee ID

Existing Features

Online Verification

- Entrance/gate access (employee)
- Access between LG Group Communities
- Commuter bus / Cafeteria / Merchant/ Printer
- Issuance of a temporary pass
- Portal Login
- Check on attendance at training/meeting

Employee ID + Combined Service

On/Offline Expansion Features

- Issuance of employee certificates
- Expansion of Verification Services (Finance, Facilities and others)
- Expansion of Participants

Payment Service

- DID based payment

Electronic Signature

- Consent for Personal Information
- Electronic contract signing

Expansion of Identity Verification Services

Business Entity DID

- Bidding Participation
- Electronic Signature

Integration with Metaverse

- Special qualification for community
- Purchase of contents and items trading

Business Entity DID

- Authentication reinforcement
- Offline authentication bonus
- Voice phishing reinforcement

Business Entity DID

- Hospital and Membership

Business Entity DID

- Parking/Vehicle Entry
- Personal access control & voting/community

Global Service

Access/ Login

- Entry to overseas subsidiaries
- Airline/Hotels
- Seminar Registration

Payment

- CBDC
- Digital currency/voucher
- Payment

Credentials

- Passport
- International Student ID
- Internship
- International driving license
- PMP
- International certification
- Overseas volunteering

Thank You



FAST-TRACK TO ✈️
DID : Decentralized Identity

DID SaaS

Let LG CNS be with you!



NEW
JOURNEY
FOR
WEB3