

MOSIP Create: Winning Solutions Showcase

OORU – DriveID Express



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DriveID Express - Fast, Verifiable Mobile Driving Licence Issuance

A fully automated pipeline that issues ISO-compliant Mobile Driving Licences (mDLs) and enables citizens to securely retrieve, store and present them using any Inji-compatible digital wallet.

Theme Highlighted : Credential Facilitation for Empowerment

Submitted By : Ooru Digital Private Limited

Fragmented Licence Issuance & Storage Across Platforms



Manual, paper-heavy processes slow down licence delivery and limit digital usability.

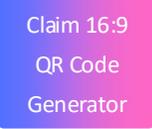
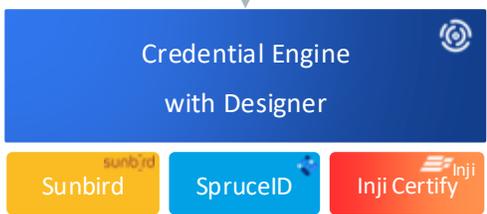
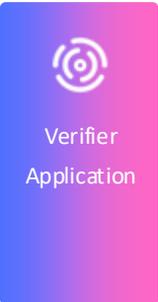
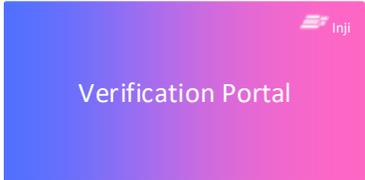
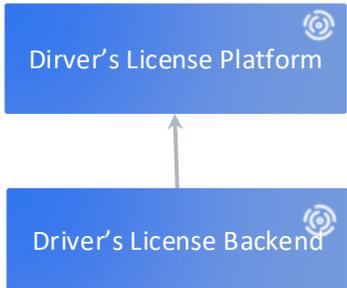
Long processing times for driving licence issuance

Lack of a secure, portable, verifiable digital licence format

Citizens rely on screenshots/ PDFs instead of trusted digital credentials

Limited interoperability with verification systems & digital wallets

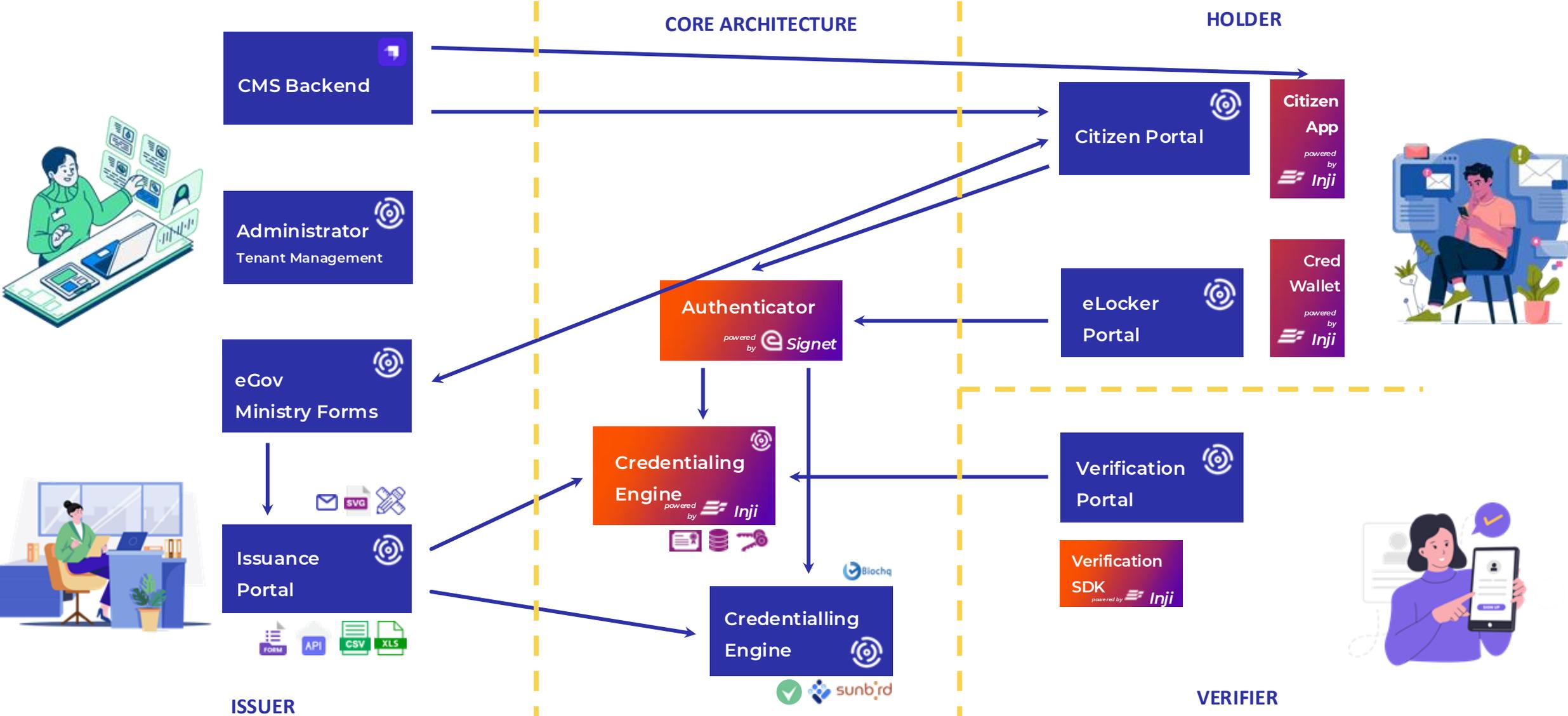
WorkFlow Diagram



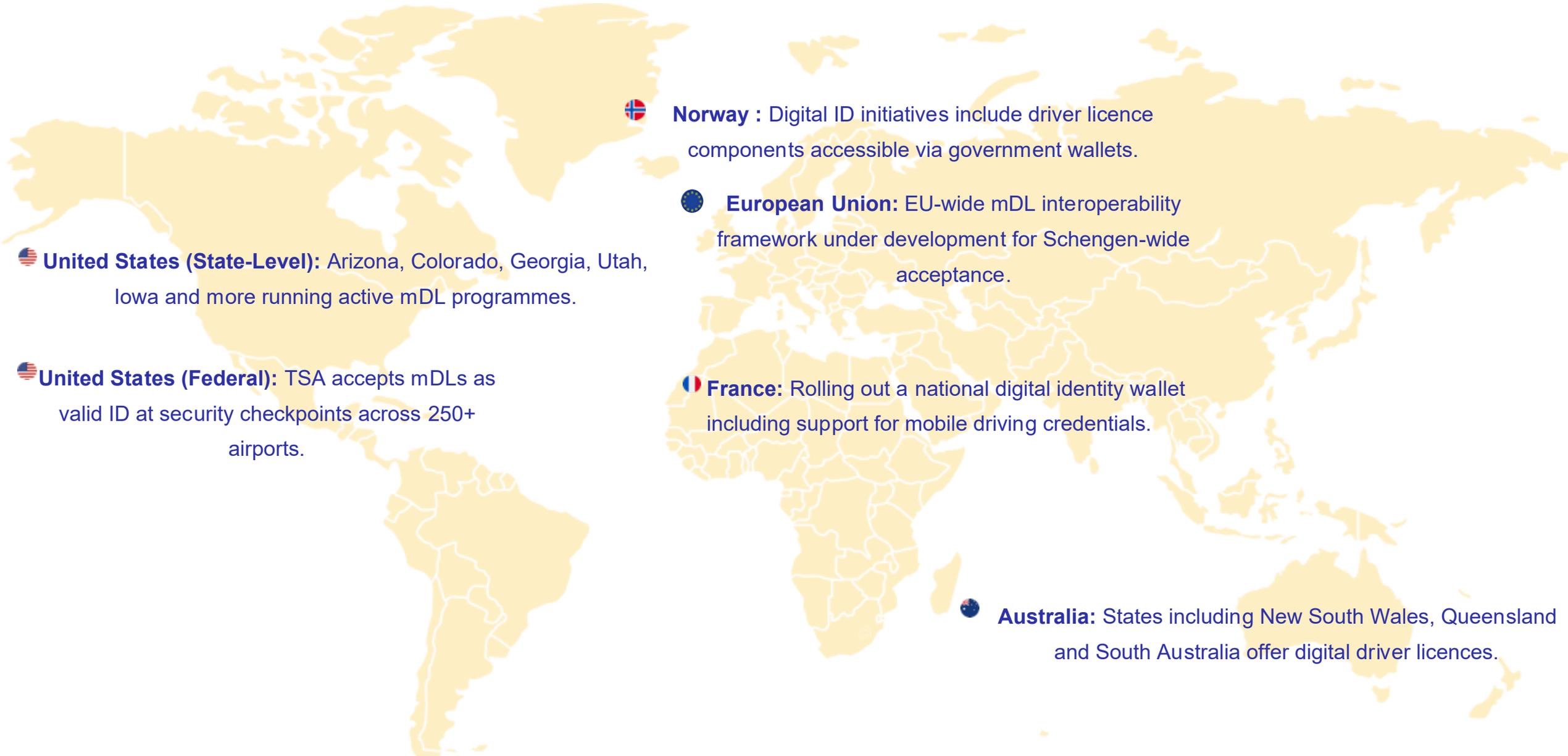
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- OORU's Components
 - MOSIP's Components
 - MOSIP Spec or Components are used



CredIssuer Architecture



Countries Deploying or Piloting mDLs



Norway : Digital ID initiatives include driver licence components accessible via government wallets.



European Union: EU-wide mDL interoperability framework under development for Schengen-wide acceptance.



France: Rolling out a national digital identity wallet including support for mobile driving credentials.



Australia: States including New South Wales, Queensland and South Australia offer digital driver licences.

 **United States (State-Level)**: Arizona, Colorado, Georgia, Utah, Iowa and more running active mDL programmes.

 **United States (Federal)**: TSA accepts mDLs as valid ID at security checkpoints across 250+ airports.

What an Inji Deployment with mDL Looks Like

A government-grade wallet for trusted digital mobility



Unified Identity Wallet

Inji acts as a secure, MOSIP-compliant wallet capable of storing the mDL alongside foundational ID, certificates, and other VCs.

Instant Notifications

Push alerts for renewals, expiry, revocation, and updates ensure citizens always hold a live, valid licence.

Legal-Framework Ready

Inji can be adapted to each country's regulation (just like TSA, EU wallet frameworks, and Australia's digital licence rules).

Expandable Digital Licensing App

Inji can be extended into a digital driving licence "super app"—renewals, penalties, vehicle data, and other services in one interface.

Policy-Aligned Display Modes

Inji can be configured for on-device verification, selective disclosure, and offline QR presentation — aligned with global ISO mDL standards.

A streamlined system to issue mDLs and deliver them instantly to citizens.

- Issue ISO 18013-5–Aligned mDLs as secure verifiable credentials
- Validate citizen identity & licence details before issuance
- Deliver mDLs through secure notifications
- Enable one-tap wallet download into Inji-based apps
- Fully auditable lifecycle with revocation & updates

Digitally Issued. Cryptographically Secured. Wallet-Ready.

How DriveID Express Works

mDL is issued through CredIssuer and securely downloaded into an Inji-based wallet.

MDL Issuance (via CredIssuer)

- Admin selects the Driving Licence mDL template inside CredIssuer.
- Enters the required demographic + licence details
- Reviews or edits fields using Advanced Settings if any additional attributes are needed.
- Generates the credential — CredIssuer signs and issues the mDL as a verifiable credential.
- Issuance event is logged, and the citizen is automatically notified.

Wallet Download (Inji-Based Wallet)

- Citizen receives a secure notification (email/SMS) with an issuance link or QR.
- The link guides the user to open or install the Inji-based wallet.
- The wallet fetches the issued mDL through a secure OID4VCI flow.
- The mDL is now stored in the wallet for offline access, QR-based verification, and future updates/revocations.

Technical Features of DriveID Express

MDL Issuance (CredIssuer Engine)

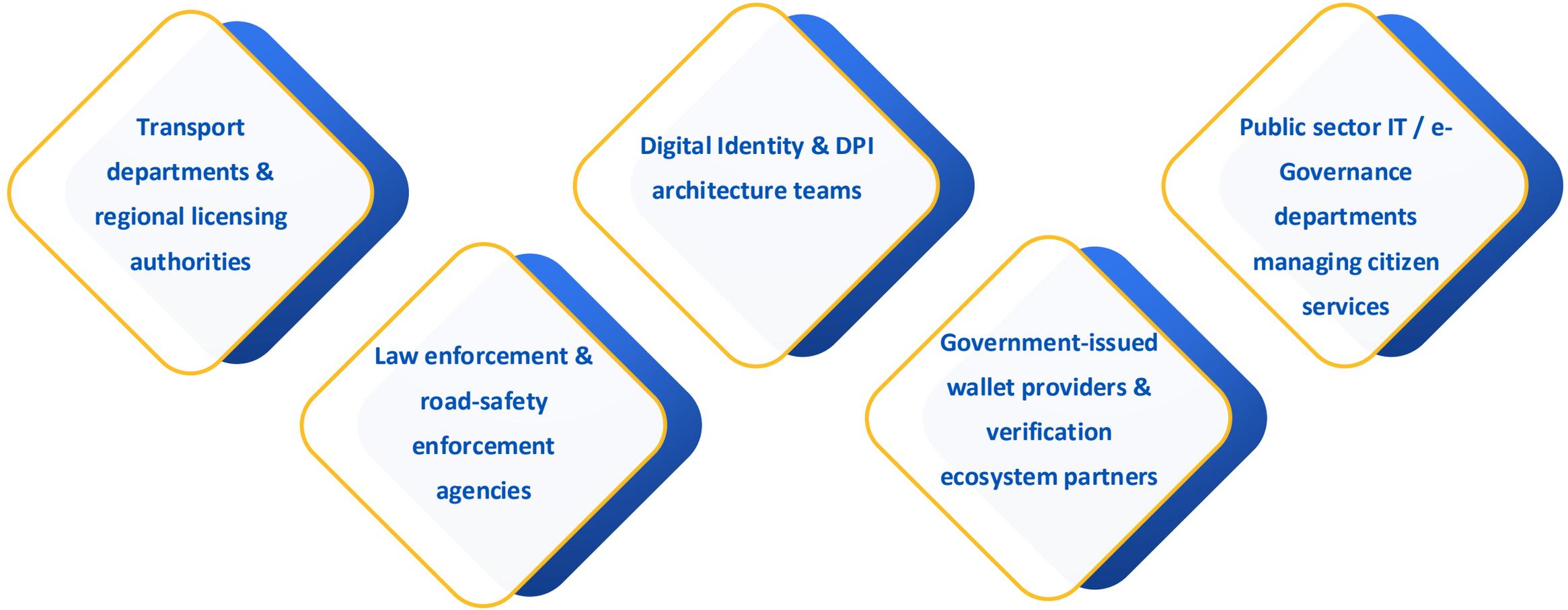
- **Template-Based Issuance:** Pulls predefined Driving Licence VC templates aligned to W3C VC data models.
- **Structured Data Ingestion:** Supports manual entry + API-based population of licence attributes.
- **Advanced Attribute Controls:** Add / remove fields (expiry, class codes, authority ID).
- **Cryptographic Signing:** mDL credential signed using issuer's private key (KMS/HSM-backed).
- **Standards Compliance:** OID4VCI-compatible issuance flow for seamless wallet retrieval.
- **Lifecycle Management:** Real-time revocation, reissuance and version updates supported.

Wallet Download (Inji-Compatible Wallet Flow)

- **Secure Retrieval Protocol:** Wallet fetches the mDL using OID4VCI token exchange.
- **Trusted Display:** Wallet renders QR-based mDL for online/offline verification.
- **Local Encryption:** Device-level secure storage with encrypted credential container.
- **Standards-Based Verification:** Presentations aligned with OIDC + W3C VC verification.
- **Auto-Updates:** Wallet syncs with issuer for status, validity, or revocation changes.
- **Interoperable:** Works across any MOSIP-compliant wallet leveraging OIDC/OID4VCI.

Who This Solution Empowers:

Mobility, Licensing & Digital Identity Teams



mDL Issuance That Feels Effortless

DriveID Express simplifies how mobile driving licences are issued, received, and carried—without changing existing workflows.

Minimal Steps for Issuance

Authorities issue an mDL using the same licence data, without additional operational complexity.

Instant Digital Delivery to Citizens

Licence holders receive their mDL directly on their phone—no visits, no paperwork.

One Secure Place to Carry the Licence

mDLs are stored in the Inji Wallet, eliminating the need to carry physical documents.

Easy to Present, Easy to Accept

Citizens can present their licence digitally using QR-based interactions when required.

No New Behaviour Required

Why This Matters

Empowering citizens and authorities with trust-based digital mobility credentials.



Eliminates paper dependency



Enables instant checks by verifiers



Enhances citizen convenience

**Strengthens national digital
identity ecosystems**



Reduces fraud & misuse

