EVIDEN

Secure citizen-centric Digital Identity Solutions

Delivering solutions for every step of the eID Lifecycle

All governments and public agencies focus on digital transformation, secure electronic sovereign documents and citizen digital identities are cornerstones of this strategy.

Emphasizing security, reliability, and stringent compliance with international standards are key challenges for customers and system integrators.

Digital transformation projects (Government-to-Government, Government-to-Administration, Government-to-Citizen, Government-to-Enterprise) are large-scale, highly complex projects that require players to be able to cover the whole value chain.

Typical citizen-centric use cases are daily life experiences:

Travel:
Protect travel document authenticity and access to document holder-sensitive private data

Identity Proofing:
Rely on government issued credentials for public and private onboarding

eGovernment:
Use your Citizen Digital ID for public and private online services

Market needs and use cases

Driven by requirements for national sovereignty, international standards compliance and cost-effectiveness, governments need to control their solutions, avoid vendor lock-in and look for perennity and future-proof products, since long-term ROI is mandatory for all digital transformation projects.

Easy-to-deploy applications, including post-issuance, flexible enough to allow tailor-made e-ID infrastructures are crucial for assuring countries to engage national involvement and citizen acceptance.

Government issued credentials (electronic passports, ID cards, mobile/digital credentials) have evolved to be of utmost importance. They serve as a trusted root of identity to drive digitalization for various use cases, such as secure access to online applications, evidence of identity, and allow to secure the integrity and confidentiality of information.

Management of citizen-centric electronic identity (eID) requires a whole, if not several, ecosystems, dealing with enrollment, production, issuance, inspection, and usage of citizen credentials, typically implemented on chip-based sovereign documents.

Citizen-centric projects focus on following large scale endeavors:

International travel

- Improve security of enrollment procedures
- Guarantee travel document authenticity
- Protect document holders' sensitive biometric data
- Increase efficiency and security of Automated Border Control (ABC)

Proof of authorization and eligibility

- Electronic and mobile driving licenses, national electronic IDs
- Eligibility for social benefits
- Access to local/community services

Proof of eID attributes

- Minimal data disclosure for age, residency, tax ID, diploma

Digital transformation

- Paper-to-digital workflows with electronic signature and electronic seals e-Government Services

eGovernment Services

- Online registration
- Citizen services
- eVoting

Private enterprise services

- Know-your-customer (KYC) for eCommerce
- Online strong identification and authentication

Citizen ID solutions – security and flexibility at every level

Eviden solutions based on cryptovision and IDnomic products provide the essential technical services for sovereign electronic document security and protection of citizen digital identities. From production, personalization, issuance to online and offline usage.

Usage

Document Security

Credential Management

Personalization

Issuance
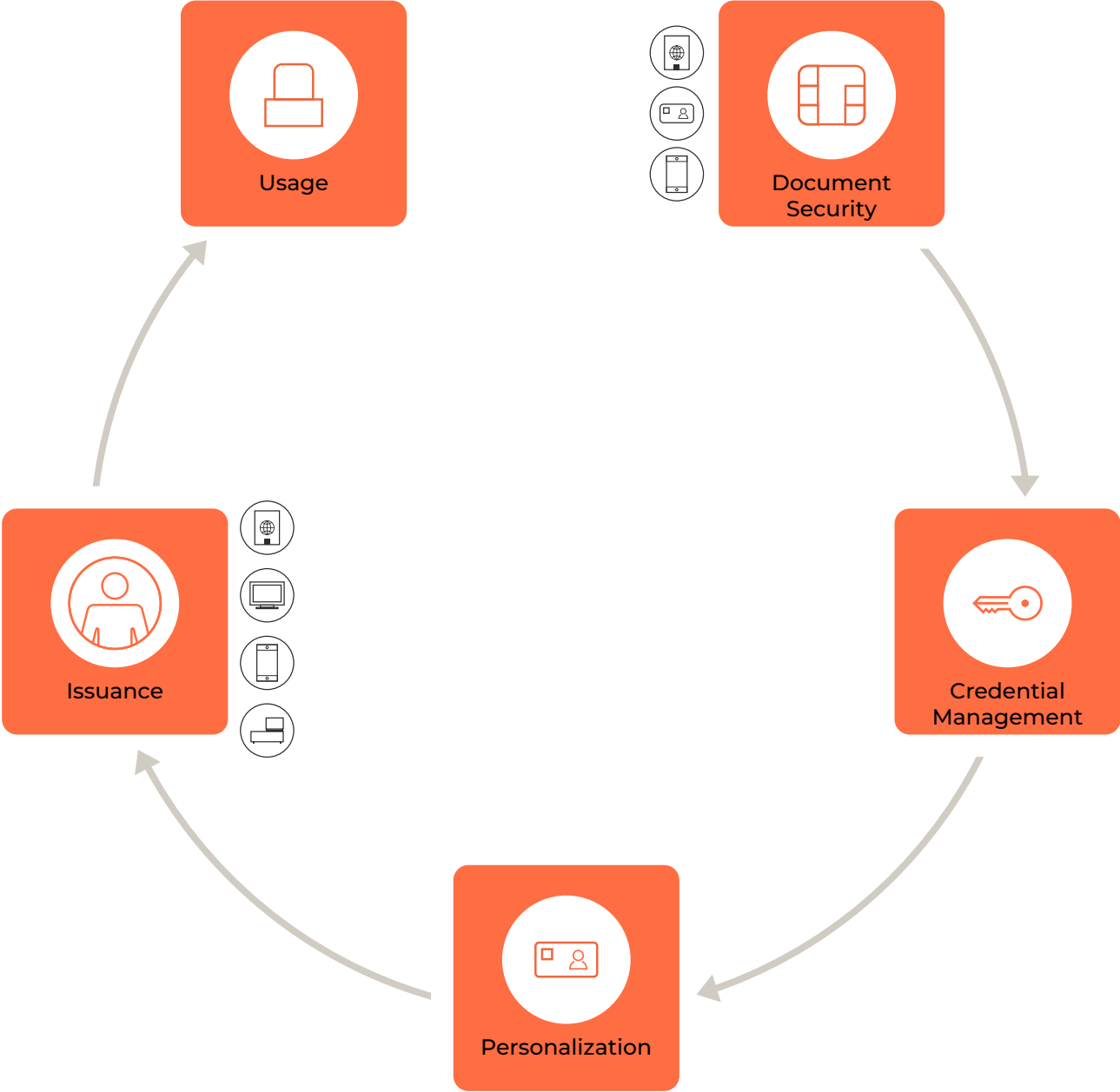
Our products contribute to the global eID value chain at every level, and we work closely with our partners, such as chip manufacturers, national printing houses, local and global system integrators.

In particular, Eviden Citizen ID products are deployed for following steps:

Production

- **CardOS:** smart cards with native operating system for ePassport (BAC/SAC, EAC), electronic Resident Permit, eID, eHealth, FIDO

- **cryptovision ePasslet suite:** Javacard® multi-platform applet suite for ePassport, electronic Resident Permit, eID, eHealth, eDL, Vehicle Registration and many more

- **IDnomic ePass PKI:** ICAO 9303 and EU-TR 03110 compliant software for document authenticity (BAC/SAC, passive authentication)

Personalization

- **cryptovision Ygraine & ePasslet sampler:** Personalization software tools

Issuance

- **IDnomic PKI**

  · CC EAL4+ certified solution, delivering trusted digital identities for citizens (X.509v3 electronic certificates for authentication, signature, encryption)

- **IDnomic ePass PKI**

  · EU-TR03110 compliant PKI for management of biometric passport credentials (IS0 7816 CVC) for terminal authentication and role-based document access

- **IDnomic CMS:** Credential management system for issuance of trusted identities to all kind of devices, i.e. smart cards, virtual smart cards, USB tokens, TPM, smart phones

Usage

- **cryptovision SCinterface:** Generic middleware, supporting 100+ different smart cards and tokens for x.509 certificate-based use cases

- **cryptovision SCalibur:** eID middleware for secure access to demographic and biometric document holder data, identification and authentication

- **cryptovision Greenshield:** NATO, BSI accredited solution for secure email and file encryption

- **IDnomic Sign:** Local and Remote electronic signature solution

- **IDnomic TimeStamping:** OnPremise and Cloud based solution for certified time tokens

- **IDnomic OCSP:** Online Responder, delivering validity status of digital identities in real time

- **IDnomic IS:** EU-TR 03110 compliant Inspection System for biometric passport inspection

- **IDnomic N-PKD:** Interoperability module for verification of foreign ePassports

- **IDnomic SPOC:** Interoperability module for exchange of inspection rights for biometric passports

Product features, standards, compliance, certifications

- RSA 1024-4096, ECDSA 256-521, SHA-2, AES
- PKCS #7, 8, 10, 11, 12, 15
- JavaCard®, Global Platform

- ICAO Doc9303
- EU TR 03110, TR 03129, TR 03139
- Common Criteria EAL4+

Customer References

Eviden Citizen ID based projects with cryptovision and IDnomic products have been implemented worldwide and in cooperation with all major system integrators. Our solutions cover more than 300 million citizens, and more than 250 million smart card software for digital identity use cases have been deployed

Citizen ID solutions deployed all over the world

France	Chile	Lesotho	Djibouti	Mauritania	Ecuador
Albania	Algeria	Sudan	Ghana	Morocco	Uzbekistan
Oman	Nigeria	Gabon	Malawi	Lebanon	Qatar