IDway

Innovative ecosystem of solutions to manage your population's identity

IN GROUPE





Living in a world where only you can be you

As we live in an increasingly digital society, the challenge of ensuring that everyone has an identity is evolving. The mission remains: Governments need to safeguard the rights and security of citizens. To do so they must provide a legal identity that is valid from birth and throughout each citizen's life. Despite major social and technological advances, 850 million people worldwide still lack an identity.

A legal ID is essential for a citizen to access their rights and benefits such as education, healthcare, financial services, welfare benefits, and the voting system. A legal ID is a robust, unique source of attributes from which the public and private sectors can develop further credentials, in both the digital and physical world. Today, while this seems obvious to some parts of the world, 850 million people in emerging countries still lack a form of legal ID. This legal ID is a key element of trust. Governments must ensure its uniqueness and trustworthiness through its design, implementation, and use—whether in person or online—especially with regard to data security, personal data protection, and privacy.

At IN Groupe, we understand that the objective of governments is to implement a solution which is cost-effective and sustainable over time, but also tailored to the local needs and existing infrastructure.

For that reason, we offer a modular and interoperable end-to-end ecosystem of solutions, compliant with Open Standards Identity APIs (OSIA) to securely set up and manage your population's identity. We cater to the needs of countries that would like to modernize their ID system while being able to build on existing legacy systems.

850M

people without legal ID*

3.4B

people will become digitally active in the coming years**

3–13%

of GDP (equivalent economic value) unlocked by digital ID by 2030**

*Source: World Bank, ID4D Global Dataset, 2024 **Source: McKinsey Global Institute, "Digital Identification:A Key to Inclusive Growth, Summary of Findings," January 2019

1.
Our promise to you

IDway's ecosystem of solutions guarantees the management of citizens' identity from birth and throughout life. It establishes the essential foundation for the production of physical and digital identities as well as the source of digital uses. It is unique and benefits governments and citizens alike.

Unique foundational ID from birth

A trusted ID
Our solutions provide each individual with a secure and unique legal ID that is valid from birth and lasts throughout the citizen's life. This foundational ID is a robust basis on which to authenticate individuals and deliver both physical and digital credentials.

Continuous update of attributes
When the attributes of a person change, the relevant functional registry is updated. The new attributes are then shared with the other registries linked to the foundational ID, which are automatically updated. This process occurs throughout a person's life, resulting in an efficient and streamlined ecosystem where information and resources are pooled and not duplicated.

Seamless integration

IDway's solutions consist of several components with standardized interfaces, enabling them to be smoothly integrated into an existing ID system.

Thanks to the use of the latest containerization technology, the IDway solutions adapt to all environmental constraints (physical servers, virtual machines, or in the cloud).

Components coverage

Each component is tailored to specific business needs, rendering the overall solution modular. It adapts to existing infrastructures and is scalable when necessary. In other words, modularity allows:

Design flexibility: The components can be selected based on the needs of each country and existing infrastructures.

Easy gradual upgrade or evolution: Specific components can be upgraded without replacing the entire system.

Addition of features: A new feature can be added by plugging in a new module or by removing an existing one.

In addition to a reduction in cost, modularity ensures business continuity and scalability.

IDway benefits		For Governments	For Citizens
	**Inclusive**	Supports the entire population	Identity for everyone, everywhere
	**Robust**	Enchanced security and fraud reduction	Recognized by public and private sector services, in person and online
	**Modular**	Sustainability over time	Accessible to all citizens

Security and privacy by design

The IDway solutions endorse security from the get-go and are built following the DevSecOps process. All solutions are regularly assessed and improved based on Open Web Application Security Project® (OWASP) recommendations.

Data exchange and access rights are managed centrally by an integrated platform to ensure data protection and security. Security applies also to data at rest; the data is encrypted, preventing it from being corrupted or stolen.

The solution complies with EU GDPR, the world's most stringent privacy regulations.

Open Source:

The solutions of the IDway ecosystem rely on field-proven technologies. In fact, most of IDway COTS software is open-source, allowing governments to benefit from a mature technology at an effective cost. Additionally, choosing a COTS open-source system facilitates the maintenance of the IDway ecosystem.

2.
IDway Citizens at the center of the ID ecosystem



1. Convenient and secure online pre-enrollment

Joey needs to renew his eID card. From the comfort of his home, he connects to the eGovernment Universal Portal (IUPS) to pre-enroll.

After filling in his personal data on a user-friendly interface, he chooses an appointment date and receives a QR code to finalize his application on-site.

2. Biometric enrollment

At his appointment at the city hall, Joey meets with an operator. Thanks to his QR code, his biographical data is easily retrieved.

The operator captures Joey's biometric data (portrait capture, fingerprints, and iris) using the Capture and Verification System (ICVS), and the IDstudio device. He validates his application with his signature and receives his enrollment receipt.

3. Personalization of ID card

Joey's request is examined by the National Identity Management System. After ensuring Joey's uniqueness, based on both his biometric (IBRS) and biographical (IPRS) data, the request is approved (IOPS).

Then, a personalization machine performs electrical and graphical personalization of a blank document to produce a unique ID card (IDPS).

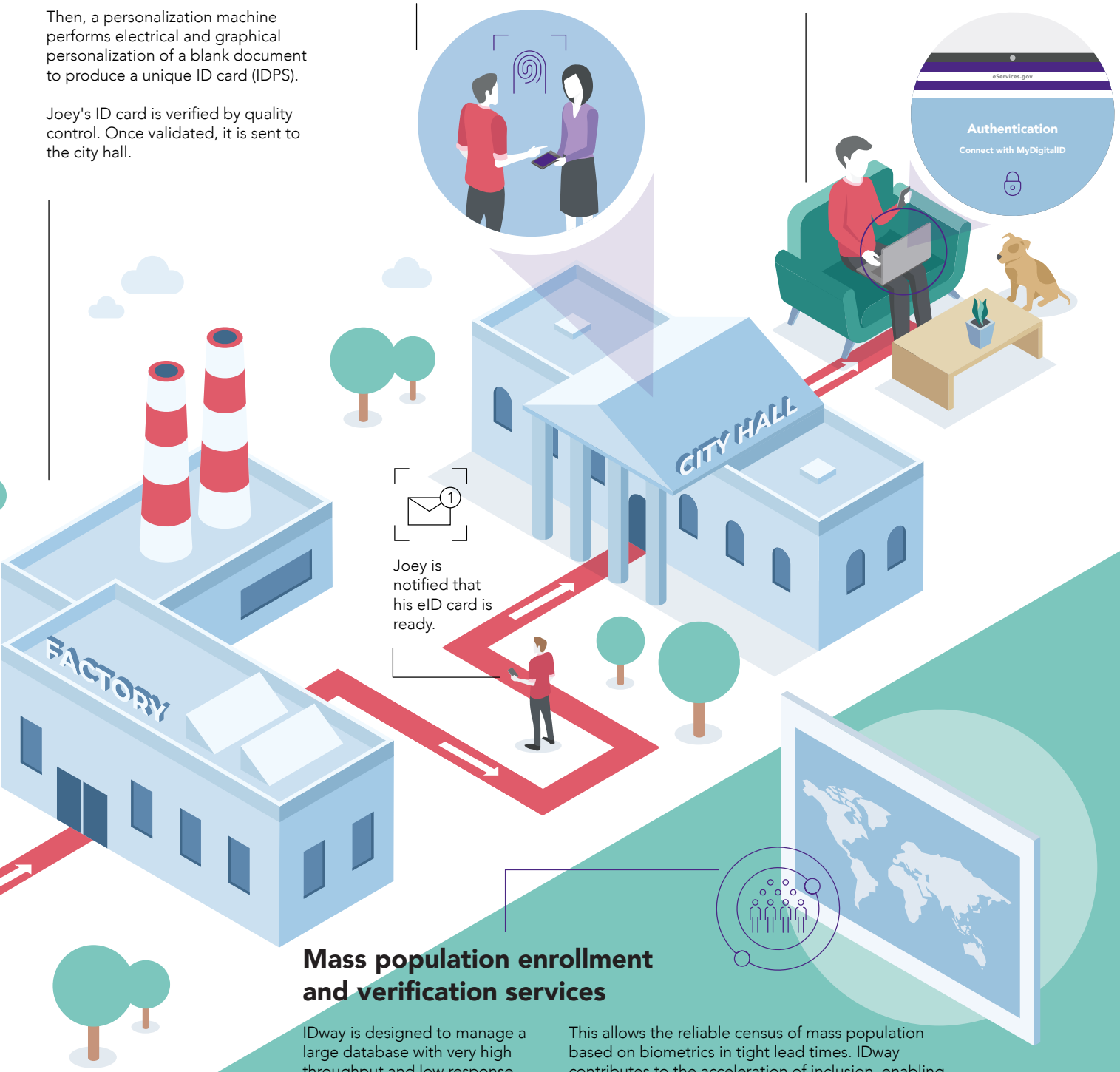
Joey's ID card is verified by quality control. Once validated, it is sent to the city hall.

4. A highly secure eID card

Joey goes to the city hall to pick up his new ID document. An operator scans the new eID card and captures Joey's fingerprint on a biometric tablet, to verify his identity.

5. A trusted digital ID

With IDway's solutions, Joey benefits from a robust and sustainable source of attributes to create a trusted digital ID. His digital ID now allows him to access public and private sector eServices thanks to secure authentication.



Mass population enrollment and verification services

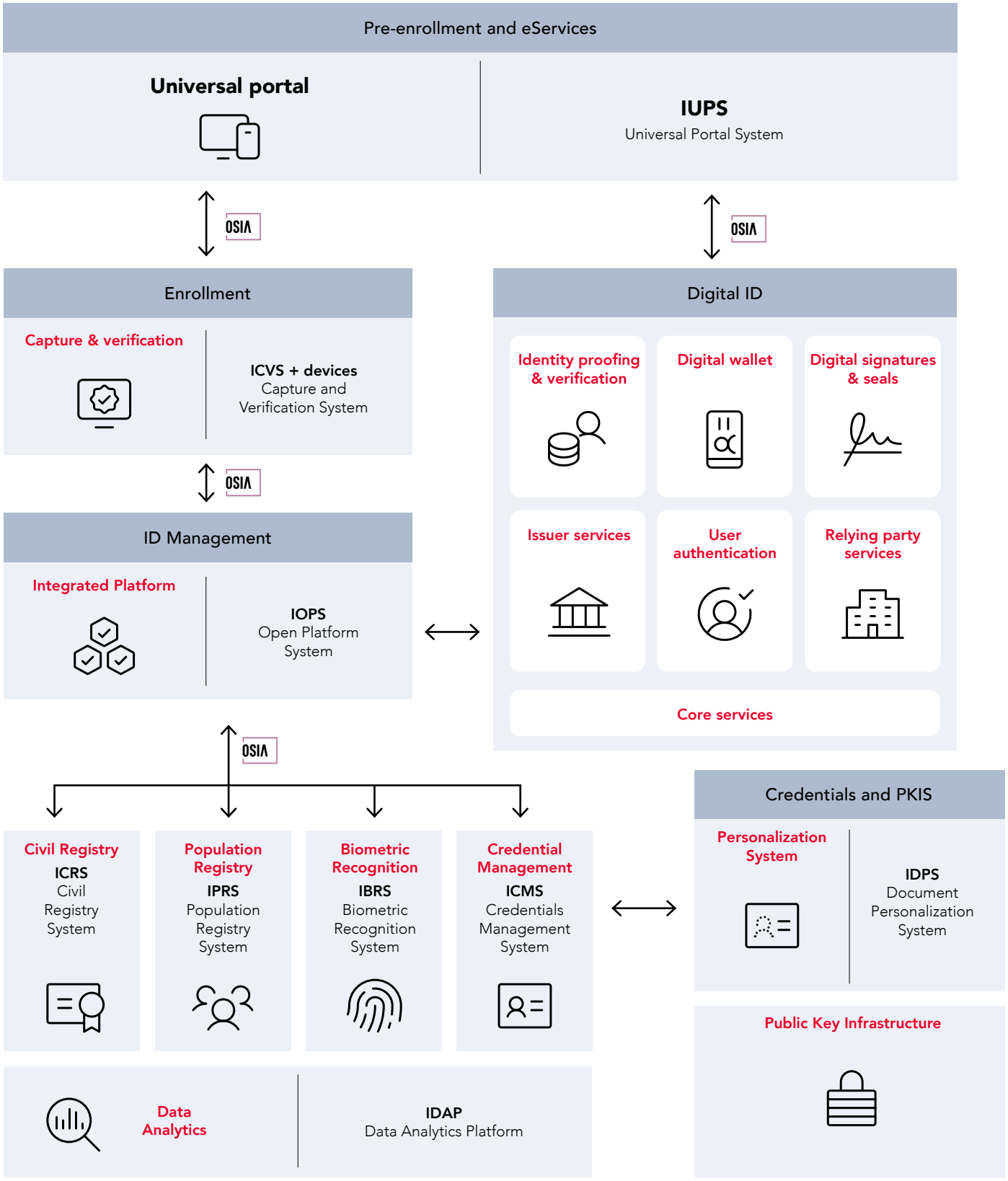
IDway is designed to manage a large database with very high throughput and low response time in real-life conditions.

This allows the reliable census of mass population based on biometrics in tight lead times. IDway contributes to the acceleration of inclusion, enabling even the most vulnerable individuals to access their rights and benefits.

IDway's ecosystem benefits

- Multibiometrics engine to ensure uniqueness
- Capacity to handle large population data
- Deployment in tight lead times

IDway solutions' key components



Pre-enrollment and eServices

Universal Portal: Enabling unique access to all eGovernment services from anywhere, using any device.

Enrollment

Capture & Verification: Securing enrollment through software solutions for both mobile and fixed stations.

Devices: Supporting enrollment on desktops, tablets, kiosks, and other devices.

ID management

Open Platform: Managing business rules, and communications between IDway's components and third-party systems.

Civil Registry: Registering and managing vital events, with the issuance of related certificates.

Population Registry: Managing identities using demographic data and Unique Identifier Number.

Biometric Recognition: Utilizing a multibiometric identification system for identity storage and management.

Data Analytics: Collecting and analyzing large amounts of data and issuance of business reports.

Credential Management: Managing the lifecycle of physical and digital credentials.

Digital ID

Identity Proofing & Verification: Verifying identities by checking documents, matching biometrics, and validating data with trusted sources.

Secure Issuance & Lifecycle: Issuing and managing digital identities and credentials under strong governance and lifecycle controls.

Digital Wallet: Providing a secure wallet app and backend to store, manage, and present digital identities and credentials.

User Authentication: Authenticating users with strong, adaptive methods while enforcing governed access and privacy-preserving verification.

eSignatures & Digital Seals: Enabling compliant digital signing and sealing with high-assurance trust, integrity, and long-term validation.

Relying Party: Integrating trusted identity verification and wallet federation into digital services through secure tools and validation services.

Credentials and PKIs

Personalization System: Personalizing physical and digital credentials.

Public Key Infrastructure



3.
OSIA & IDway: Choosing an open-standards approach

The OSIA initiative is driven by the belief that standardizing the scope of key components and the interface layers across identity systems is the optimal way to meet governments' needs for simplicity, speed of deployment, and flexibility. Rather than requiring governments to invest time and resources in rebuilding or customizing identity management components, OSIA offers a structured approach based on open standards, allowing governments to adopt and integrate identity solutions efficiently.

Now recognized as an International Telecommunication Union (ITU) standard under ITU-T Recommendation X.1281, OSIA provides a universally accepted framework that enables seamless interoperability across different identity systems, regardless of underlying technology providers.

Open standards specify the functional and technical requirements that all technologies need to ensure interoperability. With open standards in place, governments can strategically plan and evolve their systems without fear of future compatibility issues. In an open-standards environment, the responsibility (and the risk) of ensuring seamless interoperability is passed from government to the technology provider. It provides a guarantee of consistency and harmonization across government identity ecosystems that cannot be achieved by any other approach. By leveraging the OSIA framework, governments ensure that systems from different vendors can harmonize seamlessly, allowing for flexibility, evolution, and integration without being locked into specific technologies.

As a major contributor to OSIA, IN Groupe actively collaborates with over 25 governments and companies to advance and refine the OSIA specifications. Our identity management solutions, the IDway ecosystem, are fully developed in alignment with OSIA standards. This adherence guarantees seamless integration, enabling our clients to deploy the identity systems that best suit their specific requirements while benefiting from the flexibility, consistency, and interoperability that OSIA delivers.

4.
IDway's ecosystem of solutions, the root of trust to digital ID

The unique foundational ID created through IDway's solutions provides the highest level of confidence when it comes to successfully implementing a digital ID program. As a matter of fact, the government is the most legitimate entity to guarantee the trust that is key to ensuring the adoption of digital ID programs by public and private sectors.

The creation of a trusted secure digital ID can be carried out by leveraging either an existing government database or a national ID document.

Thanks to their digital ID, citizens can enjoy benefits in both the digital and physical worlds:

- Secure authentication to government or private online services
- In-person proof of identity using a smartphone through contactless technology
- Attribute sharing under the control of the citizen

By creating a trusted, secure digital ID, IDway's ecosystem enables governments to empower citizens with a digital identity that enhances convenience, security, and trust in both the public and the private sector.





Thank you

All rights reserved. Specifications and information subject to change without notice. The products described in this document are subject to continuous development and improvement. All trademarks and service marks referred to herein, whether registered or not in specific countries, are the property of their respective owners.

ingroupe.com

IN GROUPE