IDPS

Document Personalization System

Document Personalization System (IDPS) provides support throughout the entire personalization process of a document. It controls every aspect of the personalization lifecycle, from receipt of blank documents to the dispatch of the personalized document. IDPS protects ID documents from attempts of copying and modification by using advanced technologies and procedures. It is compliant with international standards (including ISO 27001, ICAO, and GDPR).

A comprehensive business process

1. Stock management

- Manage physical documents' workflow
- Manage stocks for blank documents and consumables

2. Data reception

- Gather data for personalization through web service communication

3. Data preparation

- Transform photo (LASINK ™, Stereo Laser Image (SLI®), etc.)
- Generate and manage security code (PIN/PUK)

4. Production management

- Decide on volume, priority, destination site, document type
- Create automatic and manual production pack creation, machine assignment
- Use cancel and remake process

5. Document personalization

- Ensure technical data building (Machine-Readable Zone (MRZ), ICAO keys, certificates from Citizen PKI…)
- Enable electrical and graphical personalization through single software interfacing with several machines

6. Quality control

- Read MRZ and chip data
- Validate document content against standard/customer specification and input data

7. Packaging

- Pack documents and security codes into envelopes/boxes on several levels

8. Distribution

- Bundle packages according to delivery location
- Request notifications to system

Key Benefits

Highly secure

Supports IN Groupe's highly secure features, including patented SLI® (3D secondary image) and LASINK™ (secure color portrait deeply laser-engraved in polycarbonate structure).

Very efficient

Optimized production control, including handling of several document types in parallel and management of priorities. High throughput: up to 100,000 documents per day.

Flexible

Adaptable to customer's organization: centralized, decentralized, or mixed deployment configurations.

Cost-effective

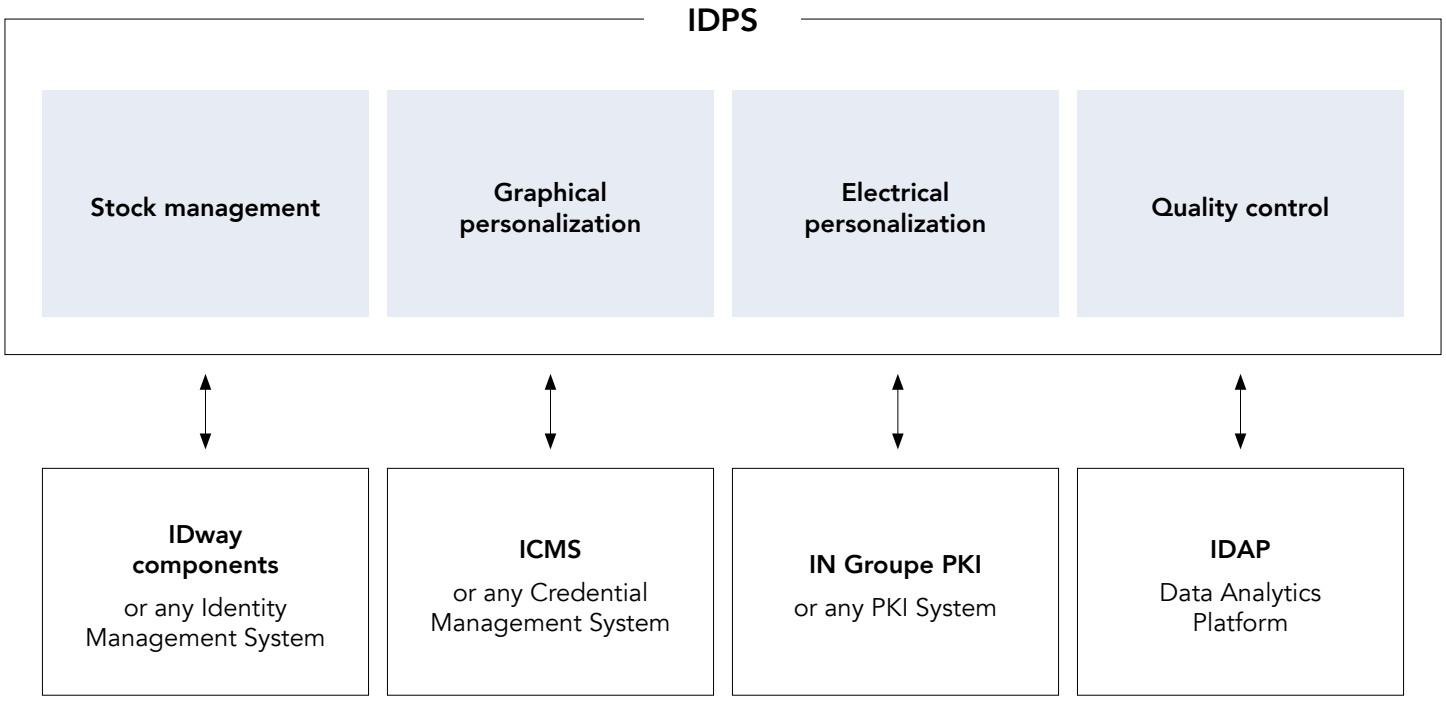
Machine-independent and customizable to match customer needs. Can be delivered in standalone configuration or integrated with IDway suite.



Interaction with external environment

As part of the IDway suite, IDPS seamlessly interfaces with all other IDway components via Open Platform System (IOPS). In this way, IDPS forms one of the various components of the IDway suite that governments can use to design a system which best fits the needs of their country. IDPS is also available as a stand-alone component and can easily be connected to any external system.

In both cases, the interaction between IDPS and the external environment is done through an easy plug-in based on open standards to ensure seamless modularity and to avoid vendor lock-in. Moreover, IDPS can be directly coupled with Credential Management System (ICMS) and IN Groupe's PKI.



Personalization

IDPS securely manages graphical and electrical personalization. IDPS works with all types of machines and chips regardless of the provider.

Stock management

IDPS's solution embeds a highly secure stock management module, which allows the follow-up of documents and consumables (unitarily or quantitatively). This module is used throughout the entire production workflow to ensure the traceability of the document.

Cutting-edge technology

Security:
Data encryption, TLS secure connection support, Hardware Security Modules support

Interface/APIs:
REST Interfaces

User Interface:
State-of-the-art GUI technology based on Angular

User management and access control:
User role management thanks to OAuth2 and openID connect interface

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