

FEATURES

- Multi Application - Production of both single and multi application smart cards.
- Multiple Card Types - Parallel production of different type of smart card products such EMV, PKI, EID.
- Customized Workflows - Extensible with new functions or by customization of existing behavior according to customer requirements.
- Integration - modular architecture in order to support easy integration into existing Card Management Systems and Personalization environments.
- Security - Secure, role based access control and highly confidential data handling - all personalization data are stored in encrypted form during the whole production process.
- Key management - basically any HSM is supported having PKCS#11 interface. A software token is included for easier testing the card production workflow.
- Personalization management - advanced routing of personalization batches to personalization equipments with load balancing. Integration to storage management and production planning systems.

TECHNICAL ASPECTS

- Extensible framework oriented architecture
- Digitally signed and encrypted personalization scripts
- Secure, token based access control (Hardware Security Module)
- Chip Coding Module (chip coding logic may be developed entirely in SPPS)
- HSM access on PKCS#11 interface
- On the fly automatic encipherment / decipherment of personalization data
- Standard PKI interface to Country Signer Certificate Authority system
- Integrated with Mühlbauer GetID, INCAPE, MCES
- Integrated with Cryptomathic CardInk
- Common Perso (GP) and P3 (Thales) data format support
- Personalization equipment support (Mühlbauer CLP54, SCOPE5400, SCP 5600, Bauer + Mück SC10, SC27)

Smart Personalisation and Preparation System (SPPS) covers the entire process of issuing smart cards, from importing and preparing data through production to key and lifecycle management. It allows organizations to turn empty smart cards into fully-fledged identity documents independently.

Our SPPS solution has been designed with card issuers, data collectors and card personalization bureaus in mind. It covers the entire process of multi-application smart card issuance, while boosting the efficiency, control and security of card production in a cost-effective way. Meeting the highest industry-accepted security standards, SPPS imports, extracts, transforms and generates data for personalization and manages the whole production lifecycle of smart cards.

The solution has a separate module for each step of the card issuance process. It also plays well with third-party modules, with communication taking place on a well-built interface for improved cost-effectiveness.

Besides the physical ID card, SPPS can create a virtual counterpart – e.g. on a smart-phone – to support the remote enrolment of ICAO DTC-compliant digital identities. It can also be easily integrated into the mobile identity ecosystem.

DISCOVER MODULES



Console

SPPS Console manages the process of personalizing smart cards, end to end. Suitable for multi-application cards, it's a cost-effective solution that leverages your existing infrastructure and equipment. Sensitive data is handled in line with the strictest industry standards.



Chip Coding

SPPS's coding module can be used with all common smart cards. SPPS Chip Coding seamlessly integrates with other modules and card printers for a smooth card personalization process.



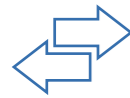
Key Management

SPPS Key Management generates, imports and exports the keys and tokens used in the production process. It works together with all other SPPS modules and supplies them with secure data.



Quality Control

SPPS Quality Control verifies the content of smart cards produced with SPPS. It gives a detailed, 360-degree view of card condition and quality as well as the file structure and the data stored on the card.



Import and Export

Customizable according to data format, content and data security level. It can handle symmetric and asymmetric cryptography as well as entity- and document-level encryptions. For multi-application smart cards, the module writes all required contingents on the card simultaneously.



Data Preparation

This module prepares data for personalization according to current configuration, making sure the information is written on the card in a secure and efficient way.



Workflow Management

SPPS Workflow Management offers holistic control over the card issuance process. Reuse processes and handle all events with intelligent card personalization. The module also makes sure that card bureau workflows are audit-ready.



Secure Token-based Authentication and Role-based Access Control

Use this module to manage shared responsibility in the case of tasks with multiple users assigned.

ARCHITECTURE

