

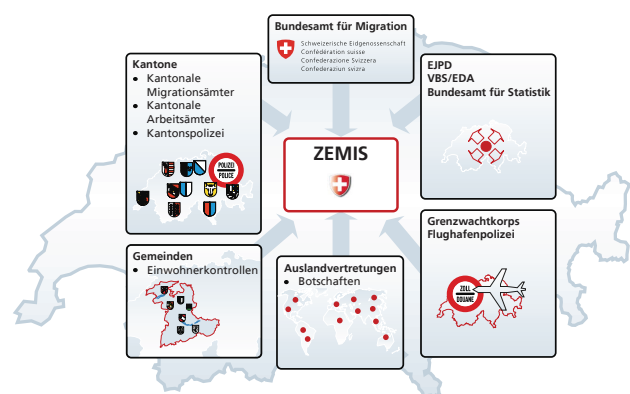
CEMIS – G2G Core Application for Administration of Foreigners

The Central Migration Information System (CEMIS) of the Federal Office of Migration (FOM) is a comprehensive instrument used for foreigners and asylum seekers in Switzerland. Thousands of officials at the national, cantonal and municipal level, including embassies, border staff, airport police, and asylum centers can comfortably administer data of foreigners, refugees, and asylum applicants in Switzerland. AdNovum developed the high-performance system in close cooperation with the FOM, the IT Service Centre of the Federal Department of Justice and Police (ISC-FDJP), as well as a host of cantonal and municipal authorities. The application is continually enhanced to include additional user groups and functionality. Since 2008, CEMIS is connected to the Schengen System for security clearance questions and visa issuance. The system is currently integrating naturalization capability.

Secure and User Friendly

CEMIS links a wide variety of information, yet provides a clear overview and is user friendly. Users are given a menu of options to navigate through the business cases. Compliance with legal procedures is guaranteed (to the extent possible) through automatic validation of entries. The application produces a variety of documentation for specific business cases, from simple letters to identification papers with high security requirements. Through a configurable print architecture the documents can be easily printed where needed. Certain document types can additionally be sorted and archived in the "eDossier" application.

Rounding off the application's functionality is a finely structured authorization logic that allows precise management of access rights. Secure online access is enabled through the SSO portal of the FDJP.

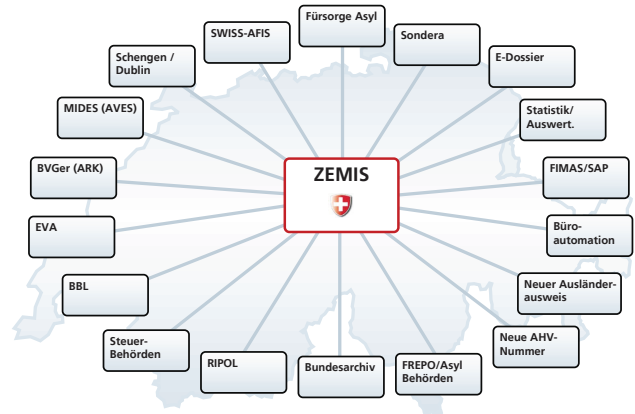


Highlights

- Secure access to system via FDJP SSO portal
- Person and operational data on high-availability HP Non-Stop system
- Electronic document management eDossier
- Connection to peripheral systems online or via batch jobs:
 - Schengen systems
 - EVA (visa issuance)
 - RIPOL (fedpol)
 - Statistics
- SAP / Abacus, etc.
- Automatic entry validation
- Configurable print architecture:
 - Local and decentralized printing of letters, barcodes, VESR, bills, IDs
- Storage and archiving from within online application, specifically extended by batch job
- Legally compliant auditing feature thanks to saved access information and logfiles

High Integration Capability

CEMIS fulfills the wide-ranging functional and technical requirements of end users and diverse stakeholders. To handle administrative affairs, the application is linked to over 20 other systems, such as the electronic visa issuance program (EVA) and the search facility RIPOL of the Federal Office of Police (fedpol). There are constantly changing requirements that must be incorporated into the system, for example the addition of new user groups and legal proceedings. The integration capability of CEMIS and its ability to seamlessly cross e-government functionality is considerable.



Impressive Achievement

Key performance figures

- 24/7 operation
- Approx. 30,000 users
- Peaks at 2500 application invocations per minute (inquiries, mutations, printouts)
- Over 9 million person records in system
- Variety of online and batch interfaces
- Statistics for 2010: more than 1,300,000 foreigner IDs, nearly 80,000 entry admission decisions, over 700,000 dossiers processed

Technical data

- 4 Sun 490 application servers with 8 parallel lines
- HP NonStop and Oracle database
- Solaris, BEA Weblogic, Tuxedo, Java EE, Struts, EJB, HTML
- Nevis (identity and access management)

Strategic Milestones

With the CEMIS go-live as a Java Enterprise System, the FDJP reached a milestone in its higher-order IT strategy aiming at a coordinated move towards open systems in the Java paradigm and the integration into the FDJP SSO portal. Through the integration of the system environment and the implementa-

tion of standards, CEMIS offers significantly higher interoperability than the previous systems. The foreigner and asylum authorities are thus well prepared to exchange data with other systems and offices, for example the Federal Office for Statistics via Secure Data Exchange (Sedex).



AdNovum Informatik AG
Marcel Raymann, Senior Project Manager
Roentgenstrasse 22, 8005 Zurich
Phone: +41 44 272 61 11
E-mail: info@adnovum.ch, <http://www.adnovum.ch>