

e-Passport Management System

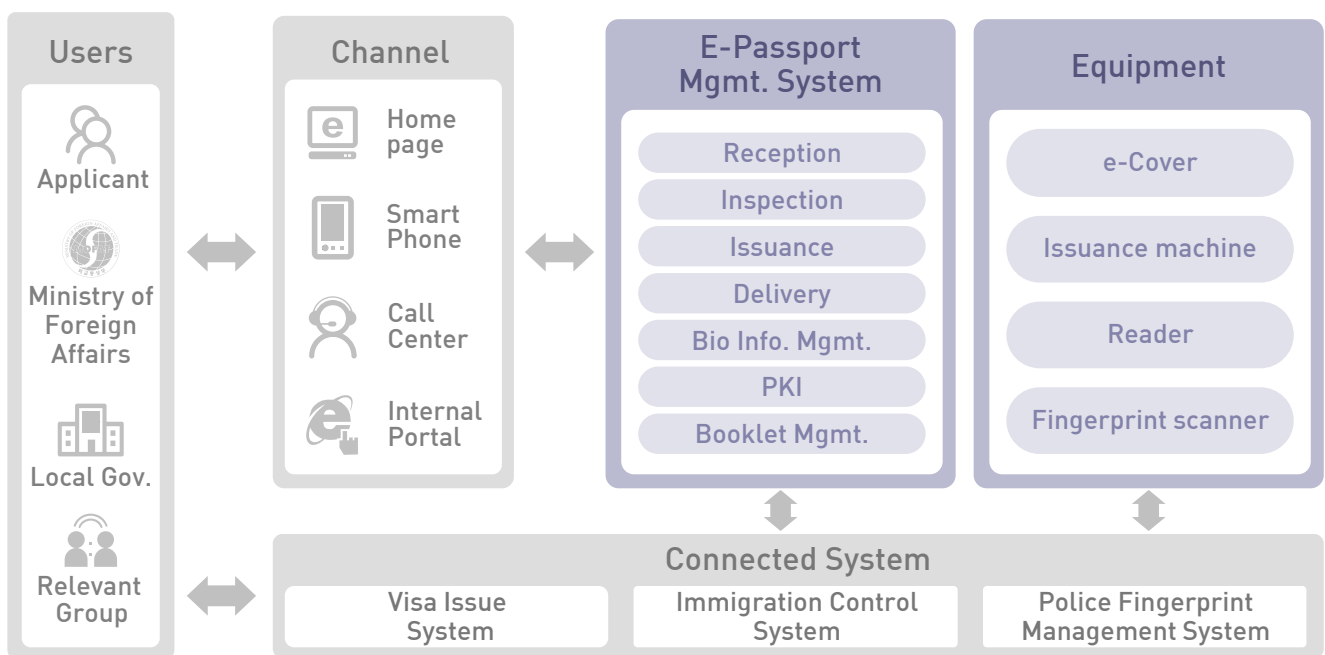


Integrated and Seamless Total e-Passport System for national prestige

e-Passport Management System includes all solutions from e-Cover delivery, passport issuance, inspection to identity authentication. It utilizes smart card technology with the latest biometric solutions.

Features of e-Passport Management System

Business Framework



function

01 Business Process Layer

- Request Reception, Qualification Inspection, Issuance, Delivery Process

03 Security Layer

- Biometric Information Protection for the security of e-Passport
- PKI system based on ICAO standard

02 Application Layer

- Web Application supports the function of business process layer

04 Infrastructure Layer

- H/W, S/W, N/W Infrastructure for implementation of Business Applications
- External devices for Bio. Information

05 Related System of e-Passport

- Interface systems of external related institutions for the Qualification Inspection, Issuance history and Qualification Query

Why LG CNS

As the system integration service provider and total e-Passport solution provider, LG CNS is ranked the 4th of System integration in Asia Pacific Region. Also, LG CNS has proven experience of e-Passport field including e-Passport Management System.

- Independently developed e-Passport COS (Chip Operating System) with the highest security(EAL 5+ CC)
- Years of e-Passport related experience and knowledge in overseas and domestic business.
- World class system development methodology and project management capability.
- Know-how of whole e-Passport Life Cycle from e-Cover supply to e-passport delivery.
- Total service Provider : As well as e-Passport, National ID, but also e-visa, Immigration Control etc.

Success story : e-Passport Management System, Korea

The Business Issue

Because of the spread of international crime and terrorist threats, the International Civil Aviation Organization(ICAO) recommends the electronic passport(e-Passport) with the integrated circuit chip(IC Chip) containing the biometric data. To response to the global trends and to increase people's convenience, Korean government introduced the e-Passport. With e-Passport, Korea can join the U.S. Visa Waiver Program (VWP) and enhance the security & reliability of passport.

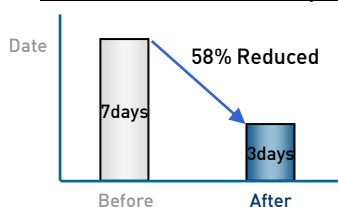
Our approach

LG CNS implemented the project in three aspects. First, e-Passport integrated information system was established with disaster recovery, 365*24 continuity services and forecasting models of issuance. Second, the decentralized enrollment system was implemented in about 250 agencies for convenience . Third, the centralized issuance system was introduced to increase security and to save costs.

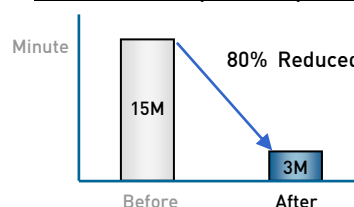
How it worked

LG CNS established the system covering the whole life-cycle of e-Passport including manufacture, issuance and discard with Integrated security management and quality/supply management. As a result, issuance periods of passport reduced 58%. Also when it comes to the lead time of reception/inspection, there was 80% decrease. For the number of forged or faked passport, there was steep decrease to zero. In conclusion, LG CNS accomplished the defect zero e-Passport total services.

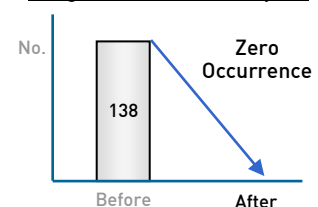
Issuance Periods of Passport



Lead time Reception/Inspection



Forged or Faked Passport



References

- e-Cover Supply Project in the Korea from 2007 to 2011
- e-Passport Integrated information system Project in the Korea, 2007
- e-Passport Manufacture Management system Project in the Korea, 2007

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