CASE STUDY

TRAFFIC CARD MANAGEMENT

We have created an open traffic card management system for a leading public transport operator in the Czech Republic. This entails the management of smart cards, operating hardware, software, issuance, and lifecycle management.

INITIAL STATE

- Technically obsolete and costly system

PROBLEMS

- High costs
- Must pay for each card issued
- Developed solutions using agile programming
- Copyrighted ownership
- Closed to others for expansion (vendor lock-in)
- Quantitative Restriction License

SOLUTION

- Basic analysis of the operator's needs
- Implementation analysis
- Developed solutions using agile programming
- Created an architecture composed of individual block functions
- Unused applications were removed
- Overhauled the "fat" client to enhance workflow by employing a "thin" client solution
- 1.7 million managed cards; 40 service points; 200 ms system response

BENEFITS

- The new system is cheaper than the original
- The operator does not need to pay for individually issued cards
- The architecture is clearly defined
- The system works independently of card technology and it is therefore possible to swap out or expand with whichever type of cards are needed
- The operator has full control of the system
- The system is user friendly and intuitive to use
- Third-party suppliers can supplement parts of it
- The card issuing process is considerably faster
- The lightweight client is easy to install and does not require a database connection
- The thin client solution has a relatively low service cost and suffers from significantly less bandwidth requirements than the former "fat" client solution
- The system can be expanded with an electronic passenger check-in module, which is not dependent on proprietary technology (i.e. card or vehicle validator technologies)

WHAT ARE OUR CLIENTS SAYING?

„The system for electronic recruitment from Business Systems helped us easily check costs in real time while simultaneously expediting the entire approval process for purchases."

Robert Zelenák
MD Director
Na Františku Hospital

"The banking information system we created jointly between our team and Business Systems' reliably meets the extensive requirements of ČEB, works without downtime, and is easy to operate."

Petr Jindrák
IT Manager
Czech Export Bank

"The information system from Business Systems has enabled us to respond faster and more easily to our customers' needs while also managing company processes more efficiently."

Leon Jakimič
General Director
Lasvit s.r.o.

Business Systems, a. s. has been operating in the European market since 1997, providing our services in the creation and operation of information systems. Our clients can be found in the areas of banking, healthcare, energy, telecommunications, tourism, aviation, manufacturing, and trade. By applying agile programming practices, we ensure rapid delivery of systems, quick adjustment in the case of changes during the development process, and compliance with contractual deadlines and budgets.

For more information, please visit us at **www.bsys.cz** or write to us at **sales@bsys.cz**