



Company profile

Teleinformatica is limited company founded by a group of IT specialists from Bosnia and Herzegovina. They have international references in software engineering and IP networking. Teleinformatica team is a young and dynamic with a proven record in delivering hi-end solutions to governments, fixed and wireless operators, which enhance performance and bottom-line profitability.

The Company was founded in 2006 in the Bosnia and Herzegovina.

We have a very effective core R&D team with strong IT background. We work with several universities and technical institutes in Bosnia and Herzegovina and co-develop solutions with leading Open Source technology providers.

Four major directions in Teleinformatica IT business offer are:

1. eGov projects development and implementation. A turn key approach is best suited to such projects since major problem is to achieve productive level of cooperation of different government structures. Capital eGov software covers the next applications succesfully applied in transitional country:

Civil Registry

The goal of the project is to establish national data base of citizens and vehicles and enable of production of ID cards, driver licenses, passports, vehicle registrations certificates and other protected documents.

The project is self financing in nature, it is financed by citizens paying for documents. The revenues are much higher than investments.

The main infrastructure elements developed by project are:

- Government Portal in Post administration offices in municipalities consisting of work stations and live data capture equipment (photo, fingerprints and signature) used by operators to capture data from citizens;
- State Data Network engaging transmission resources from three operators in the country to connect Government Portal and Data Bases in Network Operation Centers. A private state data network may be built in order to serve government and other public services on non profit basis;
- Main Network Operation Center, with backup center built at least 200 km far from it, consists of data base server rooms and main nodes of the network;
- Applications are web based, it means all software is residing in central servers, and work stations need to have just browser to connect to the servers through state IP network.
- Support Team of IT administrators maintaining the system in all regional centers inside country.
- Document personalization center, producing documents protected from forgery with highest security standards for document manipulation.



The resources developed by Civil Registry system help to much cheaper development of other projects using the same infrastructure.

Security Information Systems

In parallel with Civil Registry it is recommendable to start the development of a set of security information systems. These systems include:

- *Standard police reporting* – creating of central data base of standard reports of low breaking incidents around country;
- *Criminal Fingerprints Data Base*- central data base of criminals fingerprints;
- *DNA data base*- central data base of criminals DNA;
- *Money laundering* – central system for collecting suspicious transactions from banks;
- *Visa, Resident Permit and Border Control System* – integrated system for following the movement of foreign citizens inside country.
- *Others.*

Business Registry

Registration of all Companies has main goal in supporting faster establishment of companies. The registry is of extreme importance in every days work of Tax and Customs administrations as well as health and pension funds.

Integrated Tax and Customs Administrations Information System

The system should follow main European standards and procedures of the work of these administrations.

Pension and Health Funds Information Systems

Two funds have the collaborating information systems, and they are integrated with Tax and Business Registry information systems through State Gateway Server.

Judicial Information System

Information system supports work of all courts inside country. It is tied with Security information systems and Civil registry through State Gateway Server.

2. **Wireless Sarajevo Mesh network** is metropolitan level network fully managed with Network Management System. It can support real time applications like IPTV. It is a heart of Teleinformatica eGov and Outsourcing services offer. The major application areas are:

Vertical Markets

- **Industrial Automation**
- **Consumer**
- **Backhaul/pub net infrastructure**
- **Government**
 - **DoD**
 - **DoE**
 - Municipalities
 - Public Works
 - Utilities
 - Condition Monitoring
 - First Responder Communications
- **Building/Facilities Management**
- **Security & Public Safety**

Value Proposition

- Lower TCO (predictable fixed costs vs. variable recurring costs)
- Resilient (may be self organizing/self healing)
- Compatibility with legacy systems (SCADA, TCP/IP, ERP, etc.)
- Extensible information network (sensing, tracking, operations, computing)

Applications

- Asset Tracking
- Security
- Telemetry (Asset and Patient)
- Mobile Computing



3. Value Added Services concentrate to GSM SMS services like:

- SMS to e-mail and e-mail to SMS
- SMS to fax
- SMS data base query with SMS answer
- SMS to phone using Text to Speech technique
- Marketing via SMS
- SMS Directories of different kind, e.g. phone
- SMS Yellow Pages etc.

Different kind of Gateways for Voice, Fax, WAP, HTTP, SIP etc., can be realized inside complete projects.

4. Outsourcing of Telecom Operations is clearly a trend in Telecommunications industry where many alternative or incumbent telecom operators have no skilled staff to build and operate NGN networks. The different levels and contexts of outsourcing can be practiced. Teleinformatica targets medium size operators market using Open Source software packages like:

- TI-100 VoIP switch as a softswitch or Centrex solution
- Open OSS BSS software complete selected from different products
- Application Services based on Parlay/OSA, SIP Servlet, SIP CGI, CPL etc.