

**ECPA 2008  
Czech Entry**

1. Title of the project:

**Integrated Regional Security System**



Project name:	Integrated Regional Security System in Zlín
Date:	2008
Implemented by:	Municipal Police Department
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## 2. Brief description of project:

The IBS Project is aimed at supporting the work of law-enforcement components as an integrating, multifunctional entirety, interconnecting individual workstations and building an integral system for providing safety and public order. (The goal of the project is to enable any responsible persons to join the IRSS for providing safety and public order.)

The integrated concept allows dividing individual specialized activities into separate, specialized workstations, run by competent specialists. These workstations are interconnected, and their activity may be synchronized by the system either automatically (when a highly urgent event occurs) or based on the initiative of the operator.

Individual integrated systems for security support within the city of Zlín:



GIS - Visualizes buildings, occurrences, events and changes to their condition on a map

<http://www.eccs.cz/products/modules/ecc-gis.html>



Addresses – Provides access to quick and easy find out address location.

<http://www.eccs.cz/products/modules/ecc.html#2>



PCO (EZS, EPS) - Position and state of guarded buildings, locating protective elements and their condition.

<http://www.eccs.cz/products/modules/ecc.html#6>



MKDS - Displays city camera video signals, and controls them.

<http://www.eccs.cz/products/modules/ecc-cctv.html>



GPS - Displays the position, condition and distances for arrival of mobile resources.

<http://www.eccs.cz/products/modules/ecc-gps.html>



VISO – Displays the state of sirens and their control for supporting protection of the population.

<http://www.vegacom.cz/development-and-implementation-of-warning-and-information-systems.html>

### 3. Project aims and objectives:

One aim of this project was to form a technical and organizational bond between technical support systems of protection of security and public order of the Police of the Czech Republic [PCR], Zlín Municipal Police Department [ZMPD] and other Integrated Security System (ISS) components within the city of Zlín.

Another was to increase the effectiveness and efficiency of previously acquired security technology and to create a new integrated platform of a common image of the situation, technologies and activities. IBS links all available data, optimizes access to information that is relevant at the given moment for the operator's decision-making, while maintaining access and integrity of other data, which in the background ascertains logistics, accuracy, timeliness and performance of support operations.

Building the Integrated Safety System in Zlín is, in this context along with other measures, a preventative and repressive process based on situations. It is an effective reaction to the current security situation and influences its improvement in the following areas:

- Decreasing the number of incidents, and increasing the solving of violent and property crimes
- Increasing public order and cleanliness of public areas
- Reducing the number of disturbances of night-time peace
- Limiting vandalizing attacks on public and private property
- Limiting unauthorized parking in spaces reserved for handicapped persons
- Increasing respect to binding provisions of public ordinances
- Speeding up reactions to reports of emergencies and signals
- Increasing the effectiveness in using city cameras, improving recordings and making evidence accessible
- Deepening cooperation and coactivity of law-enforcement components, increasing the effectiveness of their communication with one another, sharing operational activities
- Creating internal operational and assessment workstations for the Police of the CR, directly accessible for criminologists and investigators, or traffic specialists
- Protecting and increasing the effect of previous investments in security support technology
- Increasing effectiveness of the work of law-enforcement components without the demand for new hiring
- Supporting emergency management with emphasis on warning and informing the population
- Strengthening the influence on safety and flow of road traffic

### 4. Project implementation:

The project was implemented by incremental method using special-purpose state funding and the city of Zlín's own funds in the [program Partnership](#), so far in two phases. It linked to previously implemented investments in the city camera system, the desk for centralized protection of buildings, the police information system and others. During the first phase of the IBS, a new operational workstation for the ZMPD was created, the PCR operations workstation was strengthened, technology was augmented for the operational workstation of the emergency response team, and to their benefit, the GIS, MKDS and PCO modules were integrated. In the second phase, the GPS and VISO technologies were built and integrated. The system has been up and fully functioning since 01 January 2008. Phased introduction also provided for incremental fulfillment of partial impacts and aims during the course of its building. Costs for building, integrating and operating the system are around CZK 7 million. It integrates and intensively utilizes investments exceeding CZK 20 million. The project is open. It is expected to be further expanded by means of technical and institutional integration, mainly through further development of the modules of systems, and through expansion of the number of users in the near future.

## 5. Partners included in planning and their role within the framework of the project:

The following bodies and organizations are partners in this project:

- The former and current mayor, responsible deputy major, city council, council commission and city assembly committees – initiator, submitter, declaration and assessment of public procurements, political warrant and competent manager of the project aim
- City safety council and emergency response team, its technical and working groups – user during emergencies and crisis situations
- The Police of the CR – user, technical warrant for expanding and efficiency of the IBS, responsible for determining monitoring locations, assessor of the effectiveness in the area of crimes and transportation
- Emergency Management Unit of the City of Zlín – user, technical warrant and issuer of the population warning and informing module, assessor of effectiveness of IBS in the area of emergency management
- Zlín Municipal Police Department – user, technical warrant in the area of integration of technology, public order, general security and transportation, chief assessor
- Tomas Bata University in Zlín – Higher education institution and research establishment providing technical education and preparation of future specialists and officials of MP, PCR and of ISS components – direct participation in the education of persons by expert leadership upon selection and elaboration of topics for theses and doctoral dissertations; aid in proposing implementation of specialized classrooms / work stations for the emergency management committee on the premises of MP.
- Zlín – Otrokovice Public Transit Company, Zlín Technical Services, Emergency Rescue Service, Fire Brigade, Volunteer Fire Brigades, City of Zlín – potential users, bodies and organizations using the outputs and benefits of the system. They provided technical consultations and comments.
- Zlín's citizens - respondents to initial queries and surveys, decisive assessors, users whose interests are protected with the help of the IBS

## 6. Measurement methods, tools and criteria:

Parameters of effectiveness, benefits and impacts of the system have been established and ascertained since the outset of project planning in a manner that enables regular and even long-term assessment. Amongst the standard and long-term based monitoring of parameters for the area of statistical assessment are:

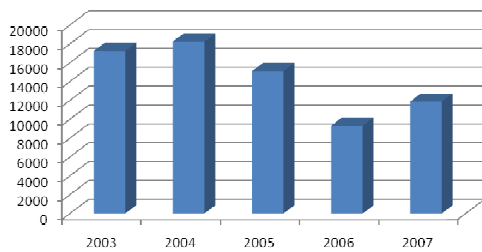
- Number of crimes and their percentage of solving (PCR, ZMPD)
- Number and structure of call outs and interventions, number of emergency calls (ZMPD)
- Number of perpetrators caught on location or afterwards of crimes and serious offenses (ZMPD)
- Number of public order and social coexistence offenses (ZMPD)
- Number of property offenses (ZMPD)
- Number of traffic violations (ZMPD)
- Number and consequences of traffic accidents (PCR)
- Number of complaints on the work of law-enforcement components and others (ZMPD)
- Number of qualified pieces of evidence submitted for use to bodies engaging in criminal proceedings and to administrative bodies or for use in administrative or block citations proceedings (PCR, ZMPD)

Amongst the standard parameters monitored by sociological methods are:

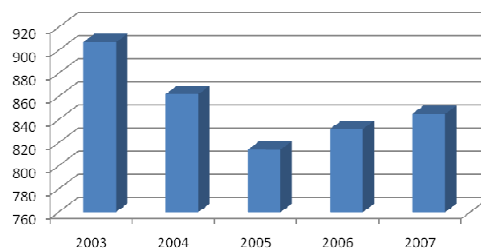
- Perception of safety and security by the city's citizens and visitors alike
- Opinion on the influence and potential of the IBS in the area of safety
- Opinion on quality of work of law-enforcement components
- Perception of order, enforced regulations, cleanliness and peace as standard conditions for work, life and recreation
- Personal fears regarding safety, fear from the possibility of becoming a victim

<b>Offenses</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Traffic § 22, Act no. 200/90 Coll.	17238	18252	15100	9322	11891
Property § 50, Act no. 200/90 Coll.	907	862	814	832	845
Public order § 47, § 48 Act no. 200/90 Coll.	854	728	657	365	458
Social coexistence § 49, Act no. 200/90 Coll.	187	131	123	68	108
City ordinances § 46, Act no. 200/90 Coll.	8508	8071	5326	4615	3322
<b>Total</b>	<b>27694</b>	<b>28044</b>	<b>22020</b>	<b>15202</b>	<b>16624</b>

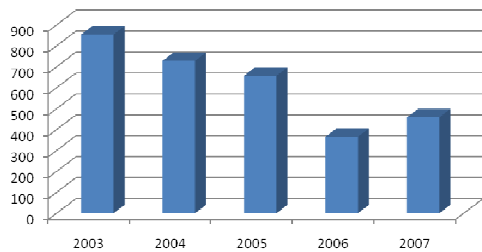
**Traffic § 22, Act no. 200/90 Coll.**



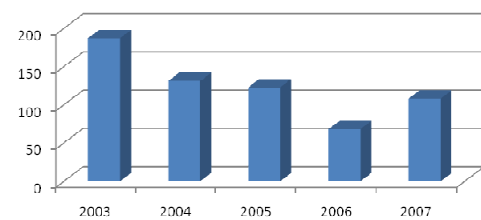
**Property § 50, Act no. 200/90 Coll.**



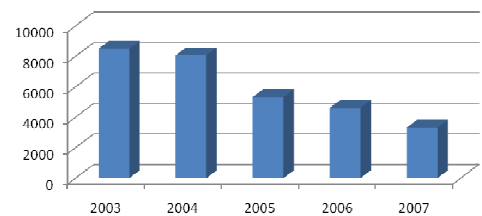
**Public order § 47, § 48 Act no. 200/90 Coll.**



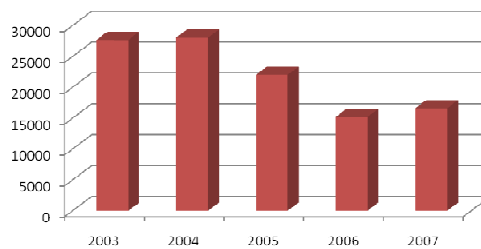
**Social coexistence § 49, Act no. 200/90 Coll.**



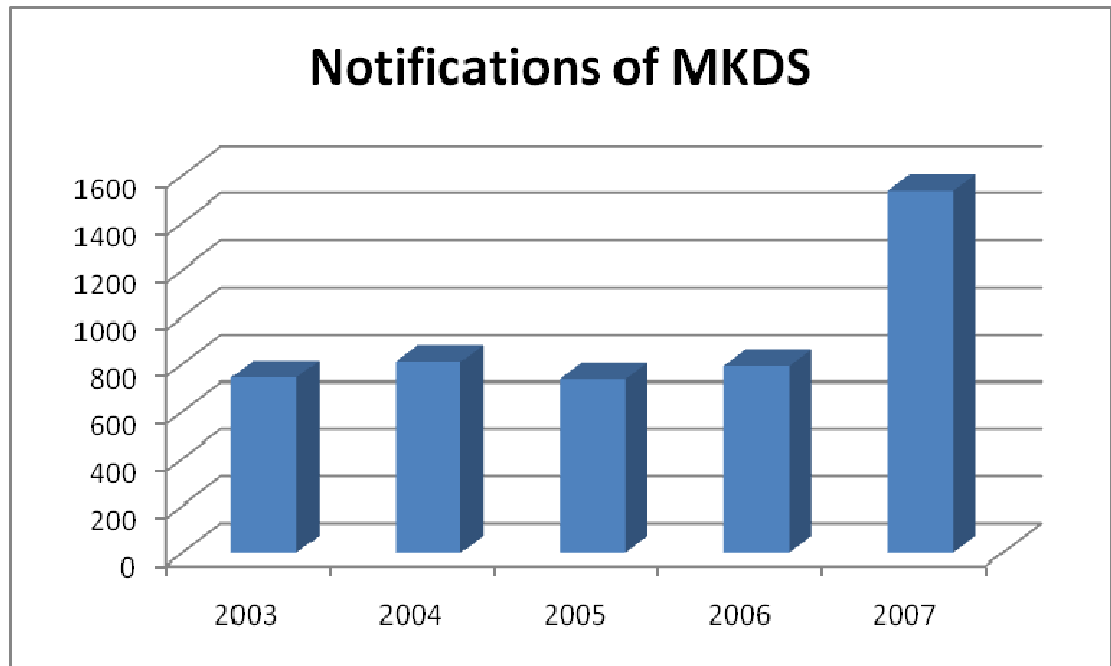
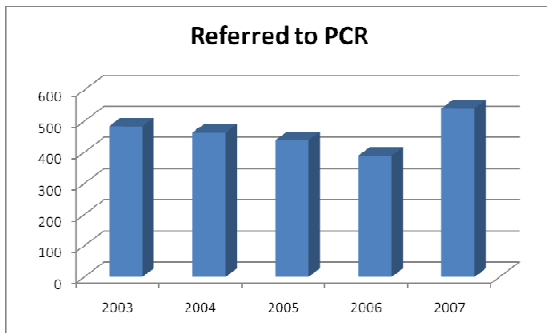
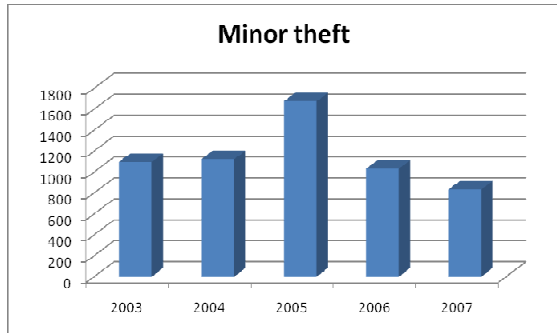
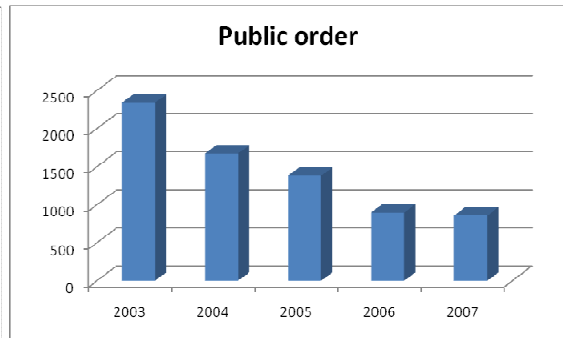
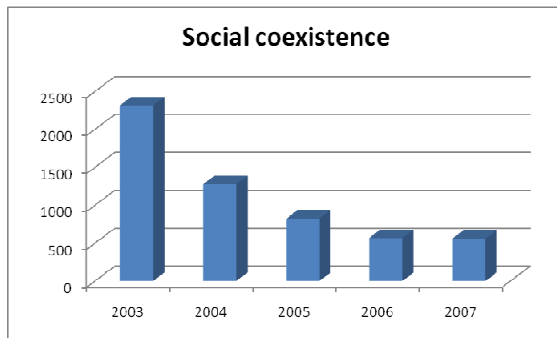
**City ordinances § 46, Act no. 200/90 Coll.**



**Total**



Activity	2003	2004	2005	2006	2007
Social coexistence	2316	1277	822	569	559
Public order	2339	1671	1383	898	860
Minor theft	1096	1122	1675	1031	833
Referred to PCR	484	463	439	389	541
Notifications of MKDS	743	811	735	792	1534



#### 7. Project assessment and monitoring bodies:

The project is regularly monitored and annually assessed on the basis of statistical results of the aforementioned parameters. Once every two years or based on need, ascertainable sociological factors are gathered and assessed. Public surveys are performed based on needs or situations. Assessment of the benefit of the projects is regularly included in annual reports on the activities of the municipal police and other involved bodies and organizations. Comparative statistics of development of crimes and public-order related burden are available. Results in the form of statistical outputs are regularly publicized each quarter in the city news magazine. Press conferences and briefings are held on serious offenses and successful interventions. Press information is sent out and is also publicized on the municipal police department's Website. Results of situational prevention and direct repression are used for promoting and deepening the preventative effect. Monitoring and assessment differ in measure, and practically all active BIS actors and users play a role through varying forms of media communications.

#### 8. Results and achievements of the project:

Development of monitored assessment parameters is positive in all areas. Stagnation of crimes can be seen, as can a decrease in criminal behavior and a slight increase in solved crimes. For certain acts, the signs of an offence have reached a noticeable low, sometimes decreasing many times over. From the available data presented in the "Offenses" table the drop is mostly perceptible in offenses against public order and offenses against municipal authorities; that is in those areas that can influence individual technical systems. Likewise a drop in traffic offenses was also recorded. Cases of unauthorized parking in handicapped parking spaces that were recorded prior to the project start numbered over 1,000, but have now practically disappeared. Most of the projected goals were achieved at least partially, and further development and strengthening of the benefits and positive effects of the project are expected. City representatives have repeatedly been invited to present the project as an example of good practice at specialized conferences and seminars. The situation in the area of public order and social coexistence has greatly improved. The citizens of Zlín have very positively perceived the fact that they now can meet with policemen on the streets; their presence fulfilling the role as a motivating factor in keeping the public peace and maintaining the law in general. This effect is clearly reflected in the table "Activities". This fact, together with greater cleanliness and safety of public areas, is positively perceived and assessed, and trust in law-enforcement components has significantly strengthened even thanks to the assessed project.