



STENGL

CITY OF SENICA
Geospatial Solution WEB-GIS

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Solving this is providing the area of electronic services in city Senica (WEB-GIS of the city Senica) is one of the first projects on the level of self-governing area in SR, in which through help of modern web technologies the citizens of the city Senica are given public electronic area services. Secured are annual actualization of electronic area data, high availability and scale of solutions, 24/7 care for maintenance and operations. Solution of WEB-GIS in the city Senica is continually enlarged for new functions and new area databases with preserving parameters of solution and its support.



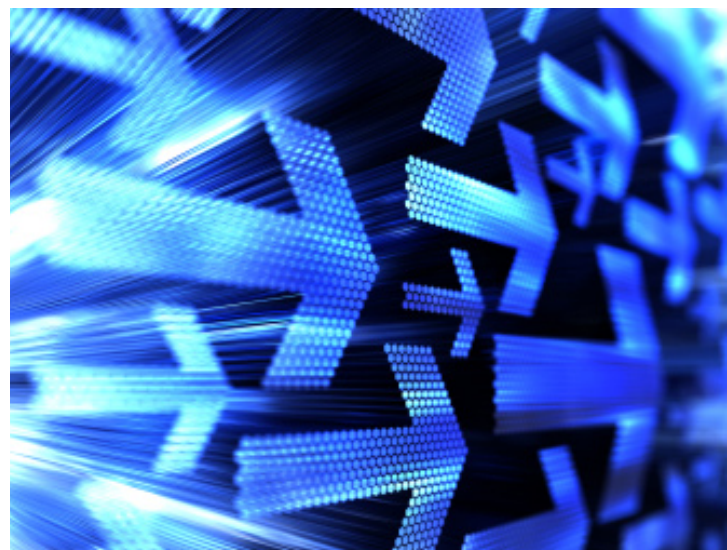
The customer

City of Senica

Regional city of Senica lies in the west Slovakia on the edge of the foreland of Zahorska lowland and on the foothill of White Carpathian. In the city resides the county that is part of the Trnava self-governing region. Senica is situated 77 km northwest from the main city of Bratislava, in the vicinity of borders with Czech Republic (30 km) and Austria. According to number of citizens it belongs into medium large Slovak cities. The city is one of the modern, trade-industrial and cultural centers of the Zahorie region. In the year 2006 it had 20782 permanent residents.

Starting position / Goals

The city of Senica needed geographical information system (GIS), that would support the tasks of the city joined with acquiring and providing geo-areal data and information for processes of solving the office's agenda and petitions and for flexible providing of public geo-information to citizens of the city. The basis for necessity of GIS enrollment was the solution for simple provisioning and accessing of data from city's registries in conjunction with searching for parcels and addresses. Requirements for GSI solutions were: complete outsourcing of the solution (infrastructure and data), multi-licensing access, simple client's user-friendly environment, web technologies, enlargement possibilities in future considering functionality of the solution, content and capacity, possibilities of integration, changes of architecture and similar. City of Senica decided to implement solution WEB-GIS that satisfies the listed assumptions. Whole implementation was realized in very short time and after launching the WEB-GIS solution on the web page of the city, citizens and the city itself could immediately start to utilize the electronic area service, which had positive effect on the number of visitors.



Solution / Result / Contribution

- zero costs on primary provisioning of HW and SH infrastructure;
- effective unified multi-licensing access into solutions;
- solutions according to national standards and legislature;
- enlargement possibilities of functionality and area databases;
- visualization and providing of area data 24 hours / 7 days a week to all users with the connection to internet
- tools and possibilities for identification and searching of objects and subjects in the city area;
- tools and possibilities on area planning, evaluating and designing;
- announcements and actualizations of mapping foundations and passports of the city area - layers planimetry, orthophotomap, land registry map-registry C, registry E, ground plan;
- simple user environment for providing area data and work with them;
- form for suggestions;
- intuitive assistance

Used technologies:

- Database server - Oracle XE
- Application serve - Pylons (Python)
- Map server - Manifold, Tilecache (map tiles)
- Web server - IIS



ABOUT STENGL a.s. COMPANY

Since the year 1999 we bring strategic solutions for business subjects, state organizations, self-governing regions and to the third sector. The broad knowledge of the private and public environment problems is enabling us to gain and to furthest provide market oriented specific experiences that provide our partners with added value and support their successful growth on the market. We have worked our way up to be one of the most important counselors for self-governing regions, department of transportation, environment, and state support for sport, energetic effectiveness, and others, on Slovak market. We are, historically speaking, one of the largest providers of IT services for clients coming of German speaking countries.

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