



STENGL

CITY OF SKALICA
WEB-GIS solution

Hosting of Geographic information system of the Skalica city with the WEB-GIS solution

Based on the analysis result and need of the city were in the 1st round proposed subject layers data assigned for provisioning of electronic services of the city in WEB-GIS solution. These were later adapted with the cartography methodology, GIS and subsequently prepared for publication. After setup and configuration of the project parameters, including GUI and API, the data were included into the project. Consequently the testing operation solution was processed and after acceptance of the project, execution of the long-term operation started with support provided.



The customer

City of Skalica

Since the year 1996 the regional city of Skalica is located on north-west corner of Slovakia, on the foot of protected regional province of white Carpathian, on the basin of the river Morava and on the borders with Czech Republic. The city of Skalica belongs to oldest Slovak cities, in 14 century it was given the status of a royal city. The number of inhabitants to date 1.3.2005 was 14952.

Starting position / Goals

The city of Skalica was looking for a modern solution, that would quickly, effectively and without additional acquisition costs on SW and HW provide a long term geo-location services for citizens, entrepreneurs and city visitors. It had little available data saved on local computer without the access of public and their opinions. Meanwhile, the citizens and visitors of the city troublesomely acquired information from city office that could be available publicly. The city of Skalica decided to implement the WEB-GIS solution of the Stengl Company. Whole implementation was realized in a very short time and after the initial launch of the WEB-GIS solution on the city's web page there was practically immediate improvement in the city-citizen/entrepreneur/visitor communication. The public can now comfortably gain practical information from registry, regional planning, address system and city's facilities without the requirement to contact the city. This information will further be expanded according to city and citizens needs.



Solution / Results / Contribution

The WEB-GIS solution safeguards comfort provider of electronic area services for citizens, entrepreneurs and visitors of the city of Skalica. Every user can informatively search for a arbitrary address, parcel and information from subject layers of WEB-GIS solutions without the need of contacting the city employees. The solution in the first phase includes:

1. Publication and visualization of city's map basis segmented to:

- Planimetry
- Land registry map
- Orthofoto-map
- Hypsometer
- Ground plan
- City transport service
- City facilities

2. Analytical functions for user work with map basis

3. Search and display services of city's address system- streets, addresses, registry numbers, orientation numbers, parcel numbers

4. Identification and display services objects layers attributes

5. Intuitive guide

6. Formulary for suggestions

The solution is based on opened standards and web technologies, which is the trend of today's period. Simultaneously it is non-demanding for usage and administration of geo-location data, therefore for that the city could practically instantly use its own data. The city provides annual actualization of these information and on the other hand the Stengl company their fast publication and accessibility through web browser. The city through the WEB-GIS solution gained a tool for long-term upkeep geographical information system in the form of established, administration and actualization of operational GIS infrastructure, and also in the form of creation, administration and actualization of geo-location data for its comfortable 24*7 provisioning.

Used technologies:

- Database server - Oracle XE
- Application server - Pylons (Python)
- Map server - Manifold, Tile cache (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.

stengl a.s.
Sumbalova 1A
841 04 Bratislava

tel.: +421 2 326 048 13
fax: +421 2 555 72 633
e-mail: info@stengl.sk
web: www.stengl.sk