

Providing electronic services of geographic information system of the Michalovce city

The city of Michalovce has in the years accumulated and processed their own location data about territory of the city, so they could be consequently with the help of internet provided to public, mainly to its own citizens, entrepreneurs and visitors of the city. Currently, Michalovce are responsible for supplying actual data and WEB-GIS solution provider for their prompt processing and publicizing in the web client environment and consequently for overall hosting of the solutions. This model of the joined cooperation and responsibility is beneficial not only for project as it is, but the greatest benefactors from it are the actual users, who receive in this concept electronic location services throughout web page of the city.



Customer

The city of Michalovce

Michalovce are the residence of the region, which is part of Kosice self-governing region. The city lies in the heart of Zemplin, it is administrative residence of the region and center of south-east region of Slovakia. It is the portal to recreational territory of Zemplínska Sirava. Today's modern Michalovce are home to almost 40 thousand inhabitants. They have become the center of education, trade and tourism in Zemplin.

Starting Position / Goals

The city of Michalovce decided to implement geographical information system (GIS), which basis was the solution for simple providing and accessibility of data from city's cadastre linked with searching of parcels and addresses and other location databases according to their own needs. Simultaneously, the city requested from provider complete outsourcing of the solution (infrastructure and data), multi-license access into solution, simple client's user-friendly environment in web browser, 24/7 technical support for solution's operation. After implementation and consequently launching of the WEB-GIS solution into productive operation on the web page of the city, citizens, entrepreneurs, visitors of the city and workers of the city's office and city's organizations could immediately start using the location electronic services joined with searching and identification of visualization of objects.



Solution / Result / Contribution

Within the project we have secured for the customer primarily the following function of the system and the following listed advantages:

- zero expenses for first provisioning of HW and SW infrastructure
- advantageous unified multi-licensed access into the solution
- solution according to the national standards and legislature
- possibility of enlarging the functionality and location databases
- visualization and provision of location data 24/7 days a week to all users with the access to the internet
- tools and possibilities for identification and searching of objects and subjects on the territory of the city
- tools and possibilities for location planning, evaluation and suggestions
- administration and actualization of map basis and passports of the city's territory-layers locator, ortho-photomap, cadastre map – register C, register R, public lightning, cities greenery
- simple user environment for providing location data and work with them
- form for suggestions
- intuitive helper

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.

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