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GEOINFORMATION SYSTEM „TOBEL GEODESY“

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Summary

During the last 7-8 years a GIS system, which is an entirely Bulgarian product, developed by Mapex JSC – a company with a long presence in the field of the geographic information systems, has entered the Bulgarian market. The name of this GIS system is Tobel™.

Mapex's efforts are aimed at implementing Tobel™ into various industries and customer groups. An excellent example of this is the successful implementation of Tobel™ in the municipal administration. GIS Tobel™ fully complies to the legislative requirements, regarding municipal activities in the field of cadastre and regulations and also helps with establishing, amendment and maintenance of data on cadastre, regulation, construction plans, protected areas, cultural monuments, underground infrastructure, master plan, aerial photographs, municipal property, etc.

Another example of the successful realizations of Tobel™ is in geodetic enterprises, maintenance of underground infrastructure, for the needs and management of forest and hunting farms, etc.

A centralized database, which is accessible to all clients, forms the basis of Tobel™. Each of the clients has different user rights for the visualization and editing the data, which they are responsible for. This ensures their regular maintenance and guarantees that everyone in the organization will use up-to-date data.

Tobel™ has been developed as a desktop platform, a mobile application for android and a web platform for publishing selected data sets in the public domain. Also, there is an opportunity available for the mobile application and the web platform to access data in the central database for visualization and editing.

When using the mobile application on a tablet with a precise GPS receiver, it is also possible to use differential corrections to improve accuracy.

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