

“The developed service by Intetics provides the necessary functionality and easy selection for the required maps and ordering for users.”

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INTETICS IMPROVES THE ORDER EXPERIENCE OF DIGITAL AND PRINT MAPS FOR MILITARIES

OBJECTIVE

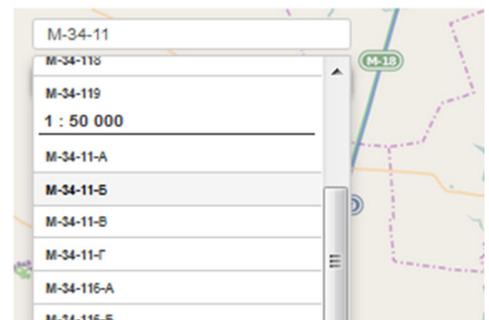
To create a web application that would make it easy to order digital or printed maps based on the selected geographic area of interest.

CHALLENGE

The client's existing web application didn't include functionality that would allow its users to create custom map orders. The client wanted to improve their application with a modern web mapping tool based on open source technologies. Several functionalities needed to be included: display base cartographic layers and satellite images, display thematic layers of nomenclature grids, and search by address and name of nomenclature grid. Cost was a factor, as the client wanted to keep costs down during system deployment. The new web application also needed to be adapted for mobile devices and have intuitive graphic user interface.

SOLUTION

The client asked Intetics to create the web application. Intetics has 5 years of experience of working directly with GIS technologies, and understands the best way to lower costs, and keep the system simple, while also implementing all necessary mapping software. The Intetics team built a new application in the shortest time possible using open-source libraries and API. To reduce the cost of system deployment, the team decided to use pre-cached spatial data instead of using spatial databases or web mapping services. For the hosting of the web application Intetics used the GitHub service, which offered free hosting services alongside a convenient system to further extend the functionality of the web application in the future.



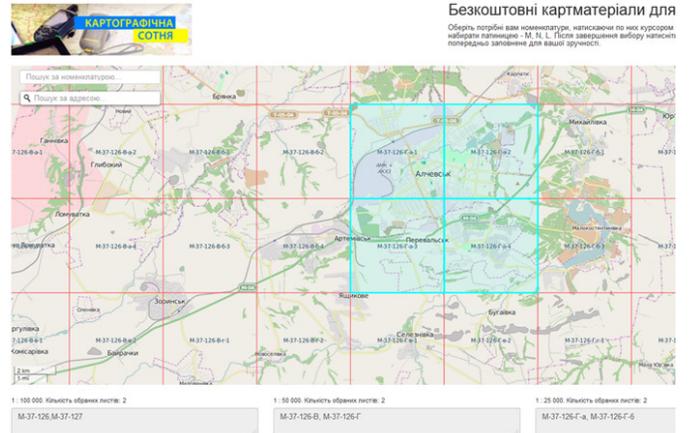
THE CLIENT SUCCESSFULLY DEPLOYED AN INTUITIVE APP, WHICH IMPROVED THE PROCESSING OF CUSTOM CARTOGRAPHIC ORDERS

RESULTS

Due to working with Intetics, our client was able to successfully deploy an intuitive and easy-to-use application for custom processing of cartographic orders. Users can carry out orders of map materials from desktop or mobile devices at their convenience.

With the app users could successfully:

- Display base mapping and satellite layers;
- Display nomenclature sheets on the map;
- Search addresses and nomenclature name sheets;
- Select and order the desired nomenclature sheets.



TOOLS AND TECHNOLOGIES

- HTML/CSS/Java Script, jQuery
- Bootstrap
- Leaflet.js map library + plugins
- Raster tiles created in TileMill and rendered by Mapnik
- PostGIS
- GeoServer