GIS WebServer SE

Professional GIS for building geoportals for different purposes, based on cloud technologies
A complete set of components
To create standalone
Web information system
• Improved display of multilayered map images from Web-servers
• Fast moving
• Convenient scaling
• Easy controlling by contents and display order, customization of layers transparency
Using the map editor, you can remotely create new and modify the already existing map objects.

Ability to perform group operations for deleting, moving, scaling map objects.
Creating and editing objects online

Remote change of map`s objects semantics
The mode “**Viewing the layer**” quickly positions the map in the center of the selected map layer and scales the image so that the whole layer was displayed in the window.
Address search

Tool kit for search and selection of map objects

Display of search results in the form of points on the map and as the list of objects in the separate panel.

Possibility to save the found objects into the separate list with addition of markers.
Perform address search and search by coordinates with a choice of search resource
Selection by semantics of objects

Tool kit for search and selection of map objects

Advanced search by objects attributes
Tool kit for search and selection of map objects

- Search by rectangular area
- Search inside object
- Search in radius from point
Lists of objects

Conducting lists of selected map objects and performing group overlay operations over objects of list
Creating maps by database tables.

The "Geocoding" component connects to the database, reads the coordinates of objects and creates point objects on the map.

The result can be saved on the user's computer in GeoJSON format.
The application creates a copy of the selected objects and forms a file which can be opened in the table editor.
Tool «Distance» allows you to calculate the length on a map between the specified points.

Tools «Area» provides an opportunity to perform a calculation of the area of an arbitrary polygon on the map.
The possibility of online solving a direct and inverse geodetic problem on a plane. Search of objects by general semantics.
Construction of routes onto territory of the Russian Federation

Text description of a route: distance, street name, travel time, points of turns.

The shortest route by the distance;

The shortest route by travel time.
Construction of thematic layers according to the characteristics of the map layer objects

Customizing a transparency of a thematic map
Displaying a legend of a thematic map
Thermal map

Displays the distribution density of objects on a map by characteristics
Buffer zone

Constructing a buffer zone around one or several objects
Interactive map

Tool «Layer shutter» allows to perform a visual analysis of the relative objects location
Publication of spatial data in the form of three-dimensional terrain model on the basis of Web3D technology;
Construction of three-dimensional model of the Earth's surface onto any terrain, ensured by spatial data;
Ability to share a link to a 3D map;
The component "Viewing from air", which simulates the flight over the terrain.
Multi-dimensional geospatial data

Displaying a photorealistic three-dimensional models of unlimited size format DB3D
Three-dimensional view

Calculation of the current position of each star and planet visible from the Earth in real time taking into account the date and time of day

Interactive model of the globe with a map of the starry sky for small scale mapping;

Allows you to explore the globe in a Web browser, browse cities, countries, continents, carry out a rapid transition to anywhere in the world.
Combining objects into groups by the nearest coordinates and a visual displaying groups on the map.
Printing a map image with a choice of a terrain site for printing
Map projects

The project contains settings for different application parameters: the address of the geodatabase, the composition of the map layers, the original display scale, the location, the composition of the map tools, and their parameters.
The project describes the data layers, components and parameters of the map; To manage projects of a map, use the Project Manager;

When you select a project, the map displays the data layers and controls described in it;

An authorized user accesses the list of projects available to his role;

Configuration of the map projects and access rights to them is performed by the administrator.
Authorization and differentiation of access rights

Domain authorization support (Active Directory, KERBEROS, web server system authentication).
Differentiation of access rights based on user groups.
User Group Maintenance and differentiation of access rights;
Setting general parameters;
Manage map layers and customize the layer tree;
Setting up a list of tools (measurement of distances, searches, printing, map editor, etc.).
Joint-stock company KB "Panorama" is a leading Russian company in the development of geographic information systems and technologies. The main activity of the company is the development and implementation of GIS, which are used in areas such as land management and cadastre, geodetic surveys, mapping, law enforcement agencies, agriculture, air navigation and many others.
Thanks for attention!