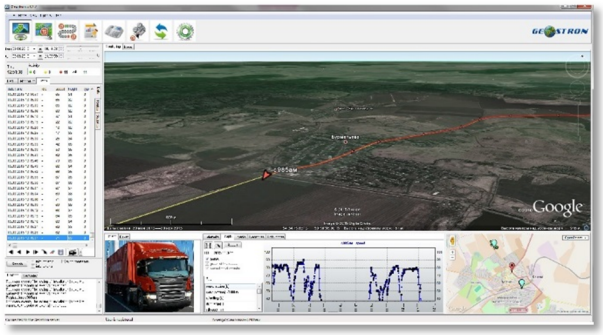
Quantor

GEOSTRON

INTEGRATED SYSTEM OF SATELLITE AND PARAMETER CONTROL

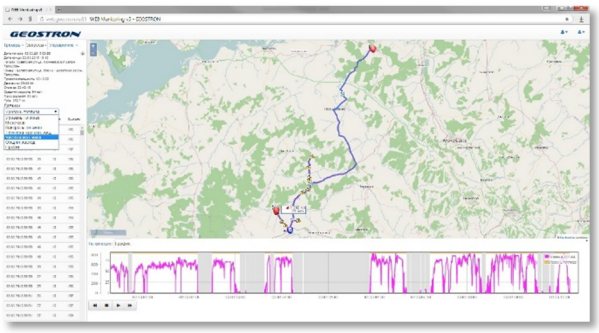
Geostron is a modern and powerful complex of applications allowing state and private companies allowing to control moving objects such as vehicle fleets, railway carriages and containers, fleet and personnel.



The system's applications operate via satellite communication thus making it possible to control objects in furthest parts of the world

System service includes an application installed on the PC, providing reliable tool both for objects monitoring and for controlling component and assemblies of the vehicles.

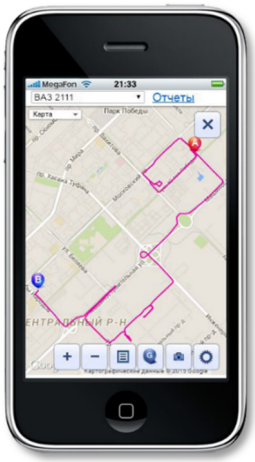
Full-featured WEB-client and mobile applications make a quality difference to the system and provide a full kit of control tools.



In Geostron system all objects are displayed in real time. Besides the range of standard maps, Geostron supports user maps and 3D maps, which allows to show tracks in three dimensions when controlling flying objects.

Geostron applications operate with various kinds of equipment, which is a distinctive feature for an open system and help solve any complicated task.

Operating with large vehicle fleets and monitoring thousands of objects is fulfilled via subsystem of event control, which automatically monitors different parameters and alarm events.



Geostron system allows to create any number of routes and geo-fences and to control the rules applied to those.

The implementations of CAN BUS protocol helps control various parameters from all components and assemblies of the vehicle, which enhances the capacities of the vehicle and optimizes fuel consumption.

Driver identification and driving control subsystems reduce the risk of accidents on the roads and discipline the staff of transport companies.

All controlled parameters are displayed in the form of graphs that are integrated into maps. This allows to define the places of refilling, speeding, etc.

System Features

- **Simplicity and convenience:** all apps and elements of the system have understandable structure
- **Integrativity:** interaction with ERP systems, using equipment of various manufacturers, creating own sensors and calibration within the applications
- **Global coverage:** integration into space communication systems like Iridium, InmarSat, alarm events form remote areas
- **Maps:** universal mapping, custom 3D maps, multiple maps simultaneous use, synchronization between them
- **Flexible reports system:** personal and group reports, parking addresses, calculated and fact parameters
- **Call center:** possibility to get in touch with the driver from system applications via SIP telephoning, creating conferences

Technical characteristics

Capacity and efficiency	
Routes	▪ Specified generator ▪ Creating a route with the help of geographic coordinates ▪ With the help of two points on the map ▪ Names of locations ▪ Use of existing tracks ▪ Correction via Drag in Drop method ▪ Variable value of deviation marker ▪ Route legend generator
Geo-fences	▪ Specialized generator ▪ 3 types of geo-fences ▪ A number of settable conditions for control ▪ Alarm and delayed vents system ▪ Sound indication
Parameters and events control system	▪ Telemetry panel to control sensor values ▪ Digital display of values and active graphs ▪ System of incoming parameters limitations ▪ Automatic system of notifications from controlled values events ▪ Three windows mode: graph, map, tabled data ▪ Event reports generator ▪ Superposition of graphs of several parameters for detailed observation of events
Cartography	▪ 3D maps with active tracks ▪ Simultaneous use of two types of maps for convenient monitoring with synchronization function ▪ User maps with a plug-in for superposition of specialized maps with coordinates reference ▪ Construction of 3D tracks for flying objects
Efficiency	▪ Increasing efficiency of use of vehicles and logistic operations ▪ Reducing losses connected with fuel theft, unplanned trips, misuse, outages ▪ Reducing cost of maintenance, increasing the time of service of vehicles ▪ Increasing safety of vehicles, drivers and cargo ▪ Statistics, reports and effective planning for managing staff of all levels

More information at:

www.geostron.com

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