Wialon | Monitoring System

◆ Monitoring panel and unit properties

- [ ] Dynamically updated unit list
- [ ] Filtering by IMEI, HW type, phone number, name, etc.
- [ ] Quick access to unit tooltip and extended information with the option to copy it
- [ ] Copy and import/export tool for backup processes and settings sharing
- [ ] Smart trip detection capabilities
- [ ] Special icons for one-click access to basic tracking functionality (quick report, video, send SMS, etc.)
- [ ] Simple generation of links to share locations and sensor values
- [ ] Unit properties management/export
- [ ] Unit profile and reference book to view/store parameters

◆ Maintenance

- [ ] Service approach/expiry notifications
- [ ] Intervals by days, mileage, and engine hours
- [ ] Vehicle maintenance reporting
- [ ] Maintenance log handling

◆ Sensors and counters

- [ ] Virtual sensors based on any parameter sent from a device
- [ ] Calculation table to configure any type of sensors
- [ ] Calibration table management/import/export
- [ ] Custom intervals, colors, and textual description for each sensor
- [ ] Real-time motion sensor support
- [ ] Odometer, engine hours, and GPRS traffic counters
- [ ] Sensor value variation notifications
- [ ] Retranslation of raw and calculated sensor parameters

◆ Driving safety monitoring

- [ ] Editable driving quality criteria (harsh braking and driving, speeding, cornering, etc.) and presets for cars, trucks, and buses for a number of trackers
- [ ] Acceleration calculation based on GPS and data from G-sensors
- [ ] Sensors to be used as validators and criteria for violations
- [ ] Charts and the map with highlighted driving events
- [ ] Driver ranking report
- [ ] Custom limits or limits from roads to detect speedings
- [ ] Eco Driving web app to control driving quality

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◆ Commands

- [ ] 17 preset commands to devices, including query DDD-files, messages, and block engine
- [ ] Chatting with a driver by means of commands
- [ ] Quick execution from the monitoring panel
- [ ] Command-based route/waypoints sending
- [ ] Special access rights for command management

◆ Charts in reports

- [ ] Event markers implemented in charts
- [ ] Backgrounds for event intervals display
- [ ] Sensor-based colors for chart lines
- [ ] Sensor masks for advanced data filtering in charts
- [ ] Auto-scaling and zoom
- [ ] Message/chart point tracing
- [ ] Raw and smoothed chart presentation
- [ ] Special charts showing dependencies between speed and fuel consumption parameters or processed fuel level

◆ Data messages

- [ ] Parsed messages view for convenient data perception
- [ ] Multiple message types (data and SMS messages, commands, events, logs)
- [ ] Import/export of messages in multiple formats
- [ ] Filtering by satellites/HDOP, speed value, and validity
- [ ] Data forwarding to third-party servers
- [ ] Display of raw data and sensor values
- [ ] Option to view media files from messages
- [ ] Access to messages with cellular tower-based unit location (LBS)
- [ ] Advanced filtration based on math operations
- [ ] Messages Manager app to request data messages, SMS, commands, and events, manage multiple messages sent to and from a vehicle.

◆ Video telematics

- [ ] Event-based video monitoring
- [ ] Real-time video streaming
- [ ] Video playback in web-interface
- [ ] Photo/video receipt in messages

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Routes

- [ ] Simple work with "rounds" each comprising a route, its schedule, and an assigned unit
- [ ] Automatic or manual round creation
- [ ] Round performance analysis by means of a report, timeline, and notifications
- [ ] Route point creation from geofences, units, and addresses or by a double-click
- [ ] "Optimization" option to automatically generate the shortest route
- [ ] Schedules relative to days/activation or absolute
- [ ] Handy schedule grid
- [ ] Flexible checkpoint order configuration

Alerts and notifications

- [ ] SOS/panic button alerts
- [ ] Notifications triggered by LBS messages
- [ ] Customizable notification text
- [ ] 20 notification triggering parameters
- [ ] Browser notifications support
- [ ] Map centering on the event location
- [ ] Markers for the latest unit location

Tracks

- [ ] Track color by speed/sensor value
- [ ] Trip detector to adjust track visualization and distance calculation
- [ ] Flexible configuration of track parameters (line thickness, markers, etc.)
- [ ] Event-based markers (fuel fillings, stops, parkings, etc.)
- [ ] Unlimited number of tracks on the map
- [ ] Track generation from "Monitoring", "Messages", and "Reports" panels
- [ ] Annotations making tracks on the map more informative
- [ ] Tracks built for any time intervals
- [ ] Hittest tool to get more information on any checkpoint
- [ ] Google Street View to view track points with your own eyes
- [ ] Track Player app to view the movements of several units simultaneously and parameter variations

Geofences

- [ ] Geofences of any shape (line, circle, polygon) and color
- [ ] Import/export from/to various formats
- [ ] In/out geofence notifications
- [ ] Geofence display on the map after report generation
- [ ] Detailed description and information in tooltips
- [ ] Saving tracks as line geofences to be used for route performance control
- [ ] Geofences to filter intervals in reports or be used as route points and addresses
- [ ] Binding of dynamically updated images/videos/weather forecast to geofences

Actions

- [ ] Online alerts with custom sounds and colors
- [ ] Push-notification on the mobile app
- [ ] E-mail/SMS alert
- [ ] Event/violation and unit status registering
- [ ] Automatic POST/GET request to third-party servers
- [ ] Command execution and round creation
- [ ] Resetting drivers/trailers and unit group modifications
- [ ] Counter value setting/storing as a parameter

◆ Template-based reports

- [ ] 300+ monitoring parameters to report on and detailed statistics
- [ ] Customizable report tables and charts
- [ ] Report generation and sending by notifications/schedules
- [ ] Option to display two charts/tables at once
- [ ] Adding addresses from geofence groups and resources
- [ ] Option to send links to reports stored on FTP server
- [ ] Export to multiple formats or printing from the interface
- [ ] Attachable map with tracks, geofences, and event markers from reports
- [ ] Advanced reports on unit groups, users, drivers, trailers, passengers
- [ ] Binding of units to report templates
- [ ] Reports with grouping by hours, months, units, sensors, geofences, shifts, etc.

◆ Drivers and trailers

- [ ] Manual and automatic bindings
- [ ] RFID/NFC identification
- [ ] Multiple drivers per unit monitoring
- [ ] Simultaneous bindings for team drivers
- [ ] Work-rest regulations (AETR) compliance control
- [ ] Driver activity identification based on tacho data or bindings to a unit and its trips
- [ ] Working shifts registration

◆ Web applications

- [ ] Logistics solution for order management
- [ ] NimBus for public transportation tracking
- [ ] Track Player to visualize unit movements
- [ ] Eco Driving and iDriveSafe to control driving quality
- [ ] Dashboard to analyze KPIs in real-time
- [ ] Sensolator for graphic representation of sensor values
- [ ] Actualizer to detect inactive vehicles
- [ ] Chatterbox and WiaChat for seamless communication between the office and the field
- [ ] Protocoller to transmit data messages to multiple systems and servers in real time, simultaneously and at various protocols
- [ ] Messages Manager to request and review messages to/from a unit
- [ ] Tacho View, Tacho Manager, and Driving Logbook to control driver activity

Wialon | Monitoring System

◆ Tools

☐ "Track Player" to review unit movements and parameter variations

☐ "Distance" to measure mileage between several objects

☐ "Area" to measure the perimeter and total area of the specified territory

☐ "Address" to find the necessary location and its address

☐ "Routing" for advanced route management

☐ "Hittest" to trace track points and messages

☐ "Nearest units" for you to find units located closest to a certain place

☐ "LBS detector" to identify unit location using mobile networks

☐ "SMS" to send messages to any phone number

☐ "Search on the map" to find any system element by its name

☐ Minimaps with "Video", "Map", and "Information" modes

◆ Mobile applications

☐ Wialon Hosting and Local mobile apps

☐ WiaChat app to communicate with dispatchers

☐ WiaTag and GPS Tag tracker applications

☐ Logistics Mobile to become a courier assistant on the smartphone

☐ Dashboard app for KPIs analysis and visualization

◆ Jobs to schedule actions in the system

☐ Multiple job types

☐ Test execution of a job

☐ Unit binding to jobs

☐ Jobs to automate counters management

☐ Jobs to execute a command over a unit

☐ Jobs to change access to units

☐ Jobs to e-mail reports and information on fuel

◆ Unit management

☐ TCP/UDP/SMS commands with flexible execution scheduling

☐ Remote engine cut

☐ Commands on unit groups

☐ Manual status/event registering

☐ Binding of jobs/notifications to unit groups

☐ Reference book for every unit

◆ Supported maps

- [ ] Google Maps
- [ ] Gurtam Maps
- [ ] HERE
- [ ] Bing Maps
- [ ] OpenStreetMap
- [ ] Wikimapia
- [ ] OpenSeaMap
- [ ] Yandex Maps
- [ ] Navitel Maps
- [ ] what3words
- [ ] Mapbox
- [ ] 2GIS
- [ ] Visicom
- [ ] Regio
- [ ] Luxena
- [ ] MyIndia
- [ ] ArcGIS
- [ ] GoMap.az

◆ Gurtam Maps

- [ ] Built-in GIS server
- [ ] Routing engine
- [ ] Custom maps integration
- [ ] Unlimited direct and reverse geocoding
- [ ] Specialized web application
- [ ] Posted speed limits
- [ ] Extended address database

◆ Hardware (1300+ types)

- [ ] Wired trackers
- [ ] OBD trackers
- [ ] Satellite terminals
- [ ] Personal trackers
- [ ] Tachographs
- [ ] 2 SIM card devices
- [ ] Garmin integration
- [ ] Sensors (fuel, temperature, etc.)
- [ ] Firmware-Over-The-Air (FOTA)
- [ ] CCTVs/MDVRs
- [ ] Apps turning a smartphone into a GPS tracker
- [ ] Protocols and retranslators

◆ Miscellaneous

- [ ] Cloud and server-based solutions
- [ ] GPS Trace free satellite monitoring service
- [ ] Technical support 24/7
- [ ] Flexible training and consulting
- [ ] Marketing assistance
- [ ] Locator tool to generate links and share locations/sensor values
- [ ] Remote tachograph files downloading
- [ ] Beta version for you to try new functions before their official release
- [ ] Integration options (SDK/API kit, additional apps and playgrounds)
- [ ] Global partner community of 950+ companies
- [ ] Interface personalization opportunities/White label
- [ ] 49 languages supported
- [ ] Right-to-left languages optimization
- [ ] 135+ servers and multiple data centers globally
- [ ] 130+ countries covered
- [ ] oAuth (token) authorization method
- [ ] 99.5% uptime guaranteed

Wialon | CMS Manager

◆ Capabilities

- ☐ Tools to manage additional Wialon-based apps
- ☐ Information messages for service administrators
- ☐ Detailed log on the operations performed
- ☐ Interface personalization opportunities / White label
- ☐ Handling of data retranslation to other systems in real time and for the past periods
- ☐ Logs/user activity reporting
- ☐ Profile tab to capture and store detailed info on the unit
- ☐ Multiple currencies support for convenient billing
- ☐ Historical data storage for up to 3000 days
- ☐ Export and import from/to WLP/KML/KMZ
- ☐ Trash to restore accidentally deleted items
- ☐ Sending of information messages to the monitoring system users

- ☐ Managing access to Wialon beta version
- ☐ Resource contents and units restoration
- ☐ Detailed statistics on payments
- ☐ FTP server configuration to send links instead of "heavy" files/archives (reports)
- ☐ Custom letter templates for notification messages
- ☐ Transfer of units between accounts
- ☐ Handy search and filtration
- ☐ User settings, unit properties, and resource contents transfer
- ☐ Unit creation from WLP files
- ☐ Import/export of system elements
- ☐ Metric/Imperial system conversions

◆ Services and hierarchy

- ☐ Editable billing plans
- ☐ Blocking/limitations by balance and days
- ☐ Hierarchy configuration to create reseller/dealer structure
- ☐ Shared access account contents (resources)
- ☐ IP-based access restriction
- ☐ Creator can login as any user
- ☐ Access control list (ACL) with preset templates
- ☐ Editable rights for accounts, units, unit groups, users, and routes