NIMBUS

The solution to control fixed route vehicles

Planning. Control. Analytics

wialon

Scope of application

NimBus helps to manage the fleet of vehicles following predefined routes:

Stops
Create route points or import them from third-party systems

Routes
Create chains of stops, add schedules, and assign units

Rides
Automatically create rides based on schedules and operation patterns of active routes

Monitoring
Control ride performance in real time, monitor delays, hurries, and route deviations

Reports
Get access to rides history, estimate their quality in terms of units and routes

You are here

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NimBus user profile

Dispatcher

Controls rides online and promptly reacts to emergency situations

Fleet manager

Reduces mileage, downtime, fuel costs, and eliminates unauthorized rides

Fleet owner

Makes decisions based on objective data in reports
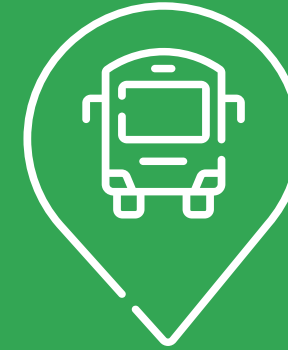
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How NimBus changes businesses?

Keeps you informed

Notifications tell about the ride progress and attract the dispatcher's attention to emergency situations

Becomes the development platform

Open API helps to create unique solutions in the passenger transportation sphere

Keeps passengers informed

"Locator" tool shares the location and movements of transport with passengers

Saves the history

Information on the rides to be used in reports is available for 100 days

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Why use NimBus?

✅ Free Wialon-based solution

✅ User-friendly interface

✅ Flexible configuration and ACL system

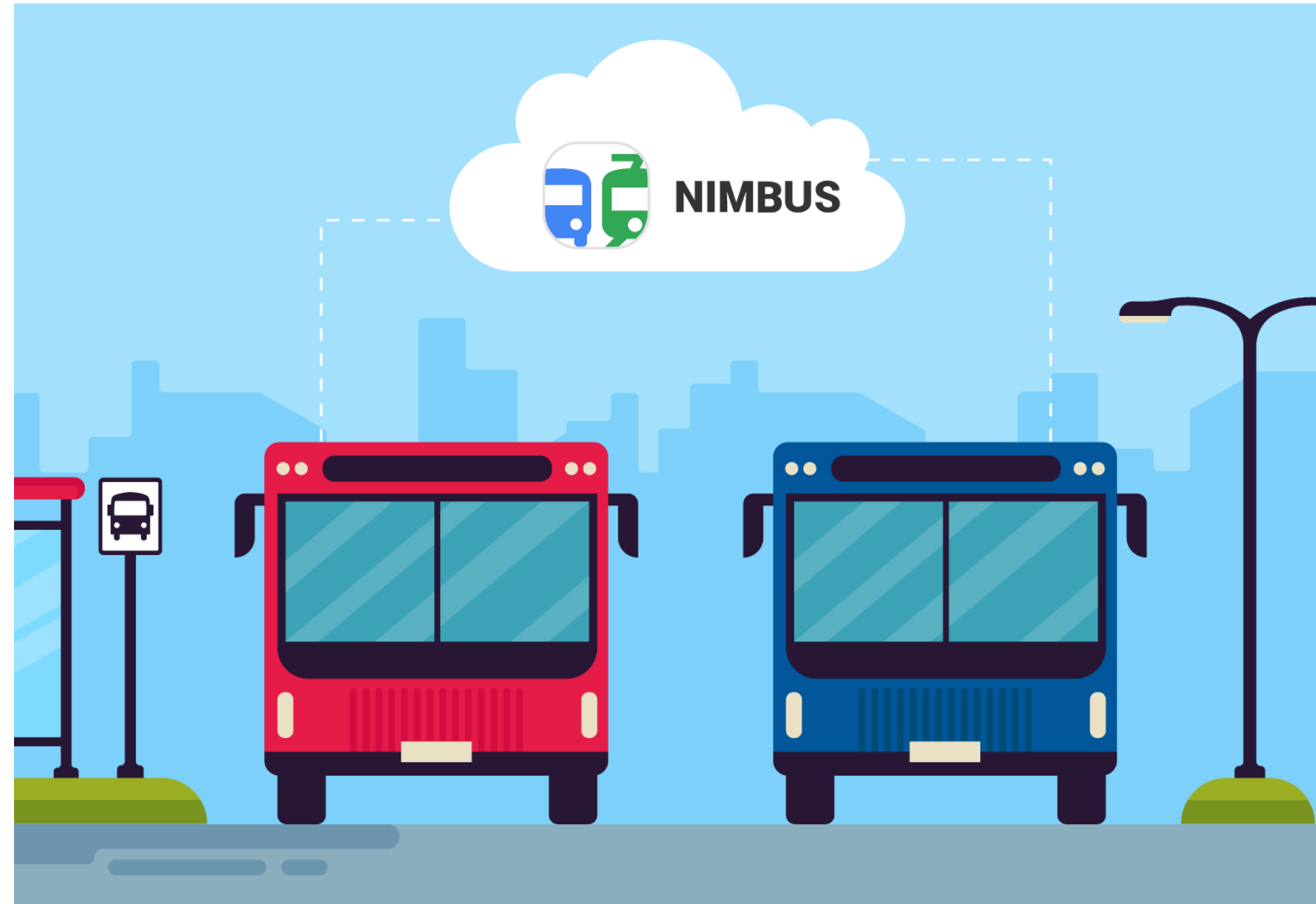✅ Analytics and statistics on ride performance

✅ API for development and third-party system integrations

✅ Multiple languages support
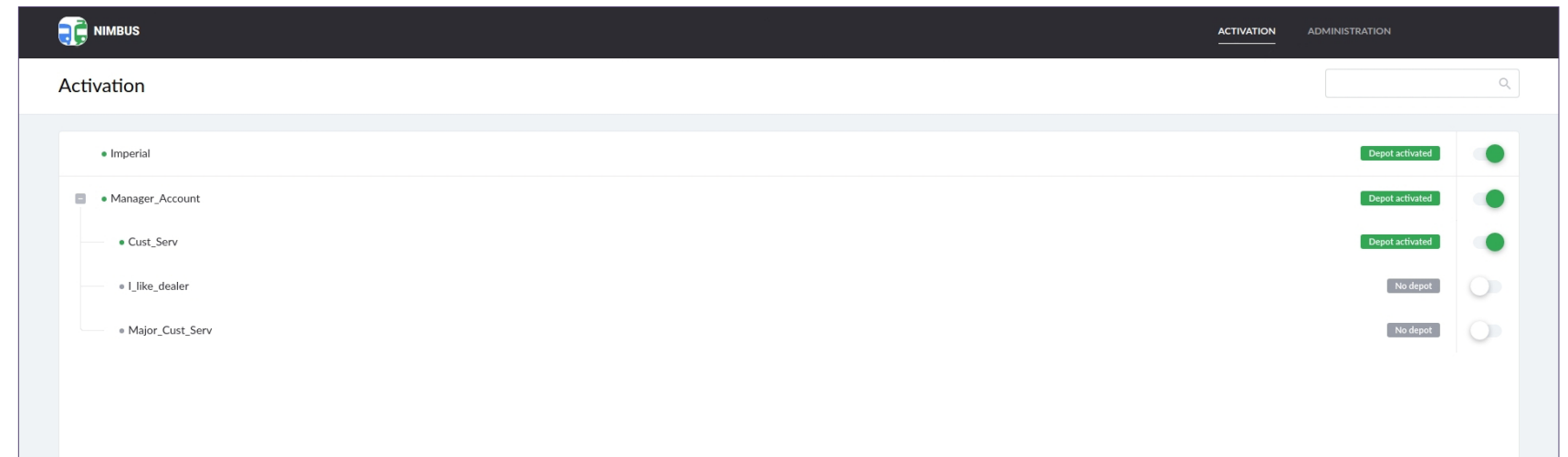

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How it works? Administrator interface

1 Get started: Activation

• Sign in to NimBus under a top-level account;
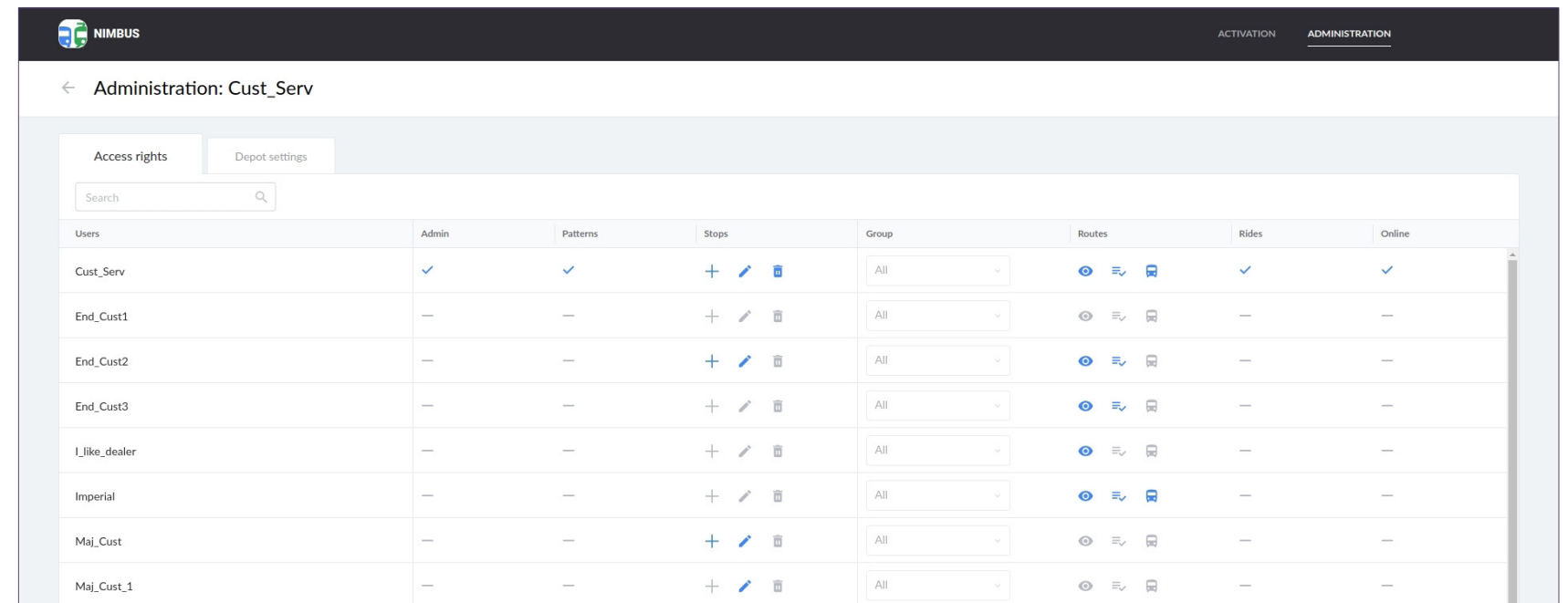• Activate **"Depot"** for lower-level accounts.

***Depot** is the storage for all stops, routes, schedules, rides history, and other information on the service.

2 Get started: Administration

• **Protect your information with access rights:** decide who can view and edit stops, schedules, and rides data.

• **Create and edit route groups:** limit the list of routes available to the user.

• **Localize the system:** set the time zone, daylight saving time period, and ride activation time.

• **Go on working in the user interface.**

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How it works? "Dashboard"

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Analyze the overall fleet performance.
"Dashboard" tab displays the summary of depot contents.
All the data is updated in real time.

• **Stops**
The total number of stops in the depot and the number of stops for each means of transport
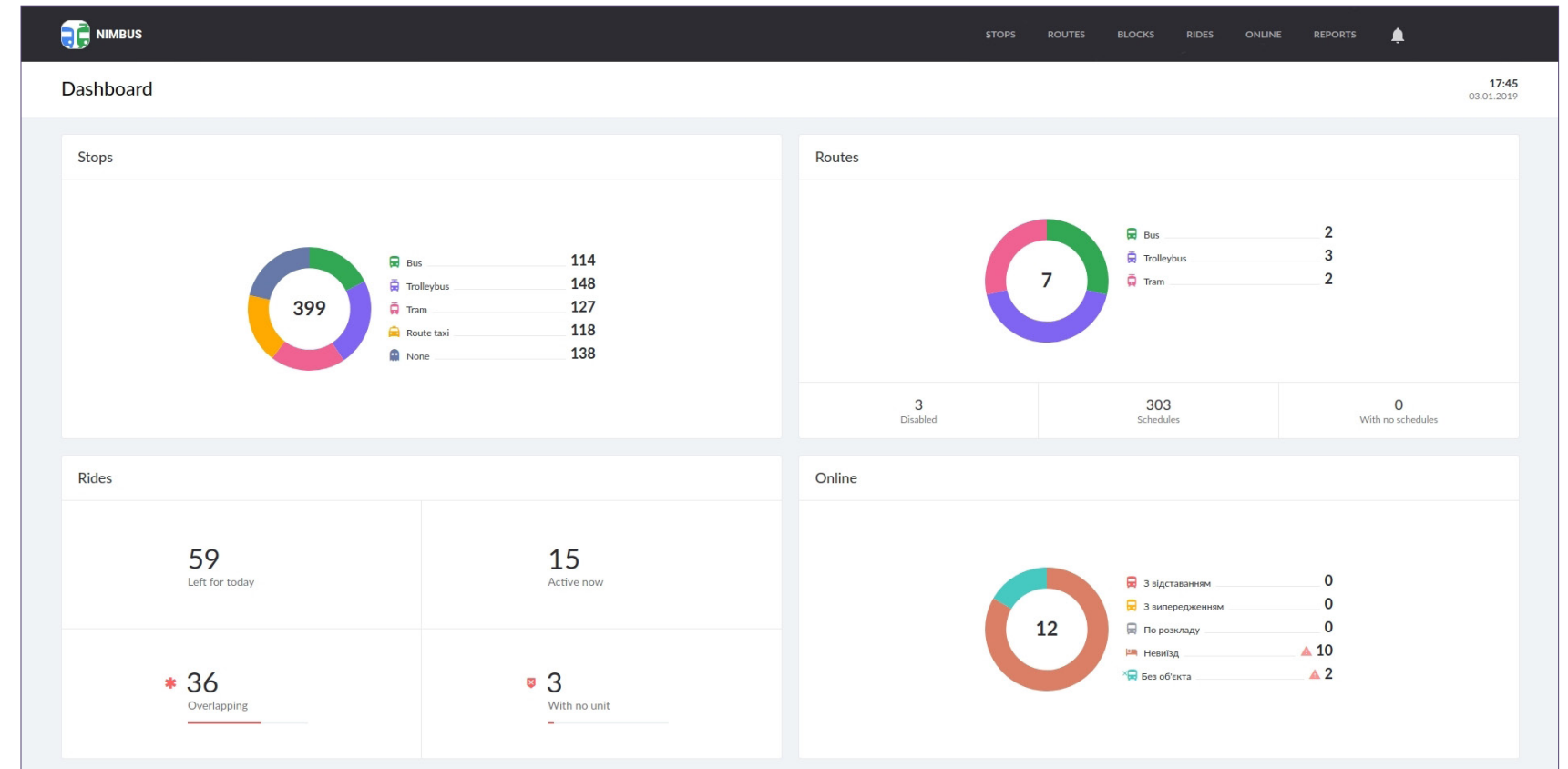
• **Routes**
The total number of routes in the depot and the number of routes for each means of transport

• **Rides**
The total number of active and upcoming rides as well as rides active now, overlapping, and rides with no unit

• **Monitoring**
The number of rides on time, behind schedule, ahead of schedule, with no unit, and with no units assigned

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How it works? Stops

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Create and edit stops:

• **Add** waypoints of any shape in two clicks or select their location in the address search field

• **Import** stops from .kml/.kmz files

• **Specify** transport type for advanced search in the list and on the map

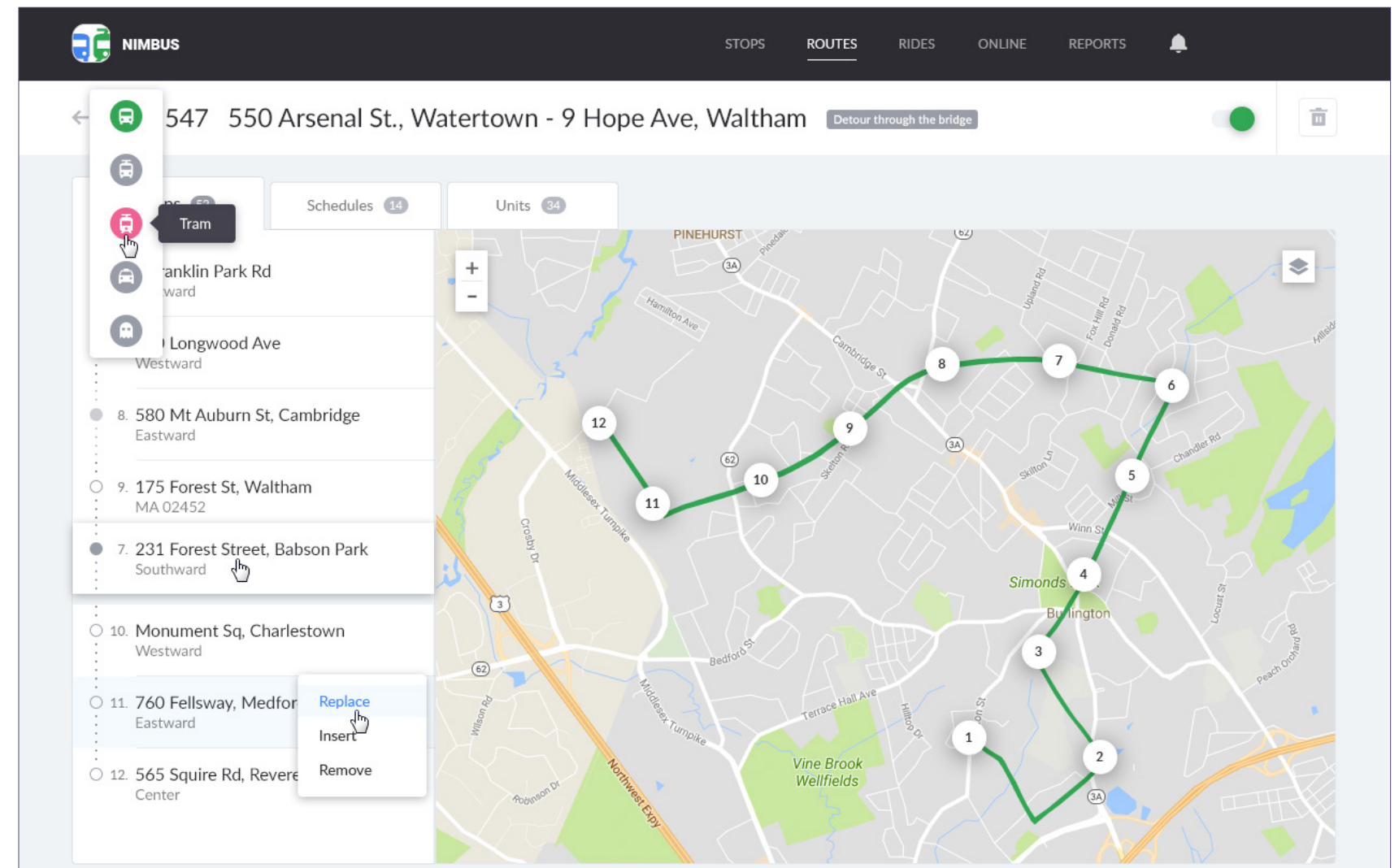• **Identify** stops not involved in routes

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How it works? "Routes"

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Manage routes:

• **Generate** routes with precise schedules, individual operation patterns, and assigned units

• **Add** hundreds of schedules for various circumstances and create schedules based on the existing ones

• **Change** stops sequence by drag & drop or replace one stop by another

• **Use** dynamic search and filtration by vehicle type, route number, name, etc

****Operation patterns** determine the periods when the schedules should be active (weekdays, seasons, roadworks periods, etc.)

How it works? "Rides"

6

Plan rides:

• Automatically create rides based on the schedules and operation patterns of active routes

• View planned rides for any date and manage rides within the following week

• Use dynamic search and filtration to identify rides with no assigned units

• Plan rides for schedules valid for longer than 24 hours

• Group rides by routes and units for handy data display

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How it works? "Blocks"
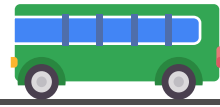
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Work with blocks:

***Block is a chain of schedules which are executed successively by one unit and belong to the routes with the same number and type of transport.**

• Create blocks by selecting necessary routes, schedules, and operation patterns

• Filter blocks by operation patterns

How it works? "Online tracking"

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Control rides in real time:

• Use a handy timeline and notifications to control late/early arrivals, deviations from the route, etc.

• Identify late/early arrivals and problematic rides be means of color marking and special indicators

• View tooltips for stops and units for additional information

• Replace transport on the already started route in case of breakdown

• Control the distribution of vehicles across the routes

How it works? "Reports"

9

Analyze the fleet performance:

• Examine ride history and assess performance quality

• Generate basic and detailed reports in terms of routes and units

• Execute reports for the intervals of up to 100 days

• Export reports in .xlsx

• Compare data in report tables with ride performance on the map

NIMBUS | STOPS ROUTES RIDES ONLINE **REPORTS**

Rides of unit Object_1_VeLe 1231235 (RTY) 34526-346

.xlsx

Route	Date	Schedule	Beginning	End	Duration	Avg deviation	Max hurry	Max delay	Stops	Result	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	09:30 - 09:49	01.09.2017 09:26	01.09.2017 09:43	17 min	5 min	6 min	0 min	10/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	09:55 - 10:14	01.09.2017 09:52	01.09.2017 10:08	17 min	4 min	5 min	0 min	10/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	10:20 - 10:39	01.09.2017 10:18	01.09.2017 10:34	17 min	3 min	4 min	0 min	10/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	10:40 - 10:59	01.09.2017 10:31	01.09.2017 10:34	4 min	24 min	24 min	0 min	3/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	11:00 - 11:19	01.09.2017 10:52	01.09.2017 11:00	9 min	18 min	18 min	0 min	4/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	11:20 - 11:39	01.09.2017 11:10	01.09.2017 11:26	17 min	11 min	12 min	0 min	10/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	11:40 - 11:59	01.09.2017 11:36	01.09.2017 11:52	17 min	5 min	6 min	0 min	10/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	12:00 - 12:19	01.09.2017 12:02	01.09.2017 12:18	17 min	2 min	0 min	3 min	10/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	12:20 - 12:39	01.09.2017 12:10	01.09.2017 12:18	9 min	20 min	20 min	0 min	4/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	12:40 - 12:59	01.09.2017 12:32	01.09.2017 12:44	13 min	13 min	15 min	0 min	7/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	13:00 - 13:19	01.09.2017 12:54	01.09.2017 13:10	17 min	7 min	9 min	0 min	10/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	13:20 - 13:39	01.09.2017 13:20	01.09.2017 13:36	17 min	1 min	3 min	1 min	10/20	Fulfilled	
5A Eastern Avenue 854 — Fellsway W 279	01.09.2017	13:40 - 13:59	01.09.2017 13:33	01.09.2017 13:36	4 min	22 min	23 min	0 min	3/20	Fulfilled	

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