KLOUD-SHUTTLE

Passenger Transport Management Platform

Tracking system features

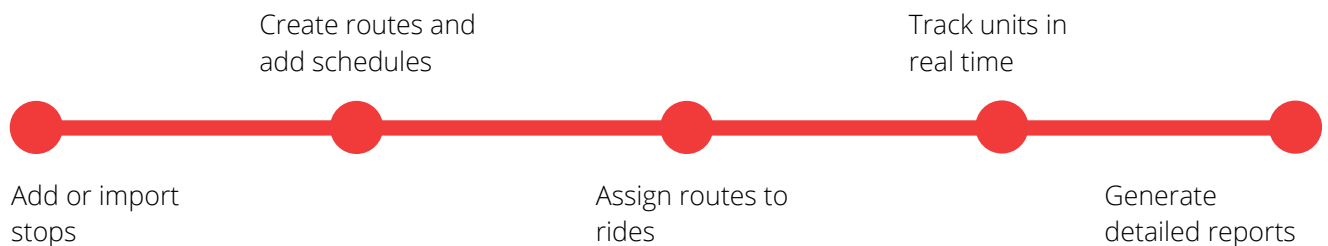Combined functionality of the core KLOUDSKY modules in a handy interface:

- Geofences as waypoints
- Geofence visiting control
- Flexible checkpoint order configuration
- Schedule management
- Unit bindings and distribution
- Automatic or manual ride creation
- Address search
- Event-based notifications
- Detailed reporting
- Real-time tracking on the map with scaling features and handy navigation
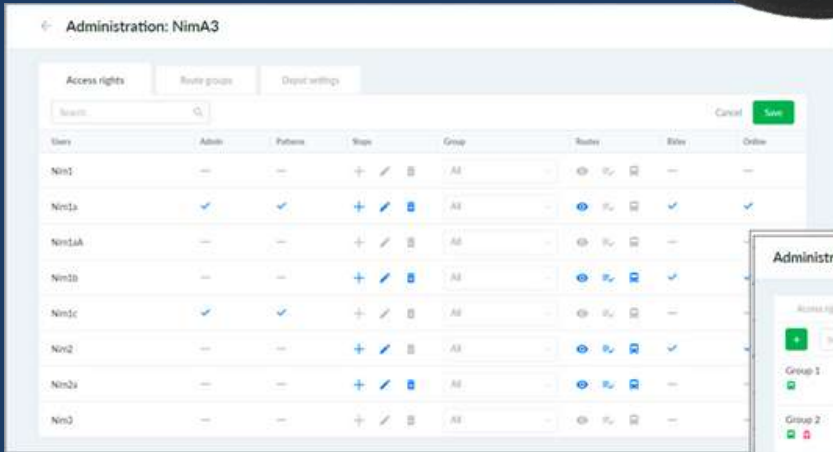
Specialized tools

Features developed with due consideration to dispatcher job specifics:

- Handy timeline for online tracking
- Business-specific reports
- Waypoints of any shape to improve tracking on the most complicated junctions
- Search and filtration by vehicle types
- Operation patterns to create individual working schedules for each route
- Color identification of late/early arrivals
- Reports in terms of routes and units
- Special ACL system
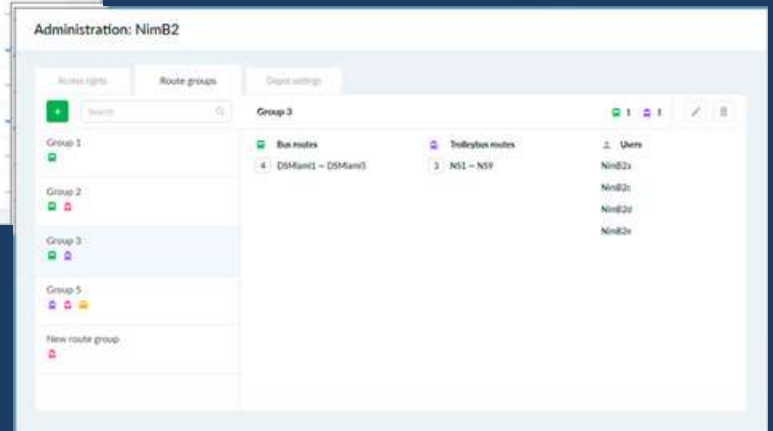- Detailed description of routes and stops to identify the ones of various directions

How it works

Create routes and add schedules

Track units in real time

Add or import stops

Assign routes to rides

Generate detailed reports

Take a closer look

Manage User ACL

Grant users access rights to manage depots, stops, routes, rides, and online tracking.

Create and edit route groups

Restrict the list of routes available to users to advance organizational management.
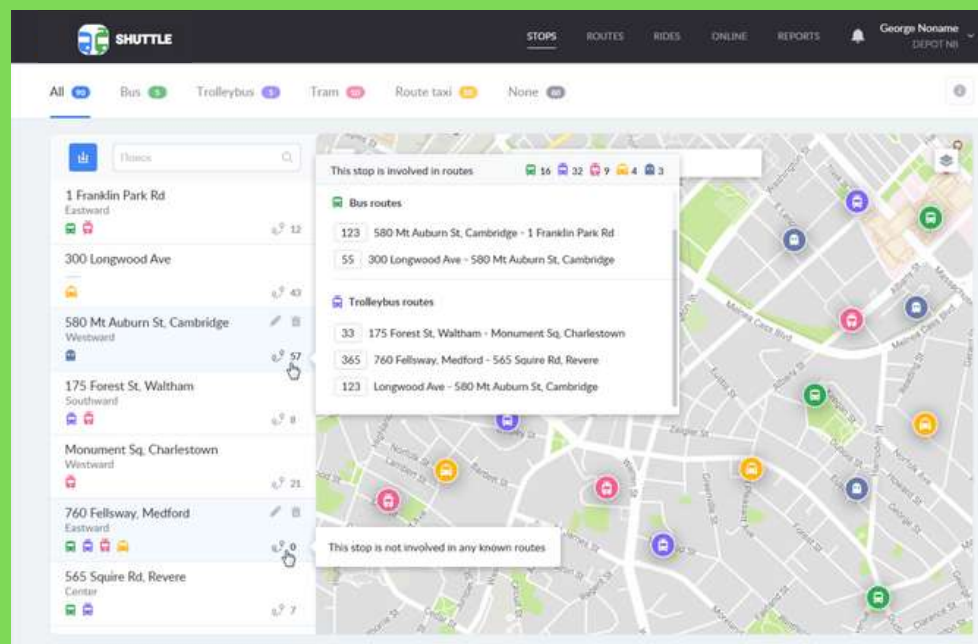
Create or import stops

Create and edit waypoints of any shape in a few clicks or select their location in address search field
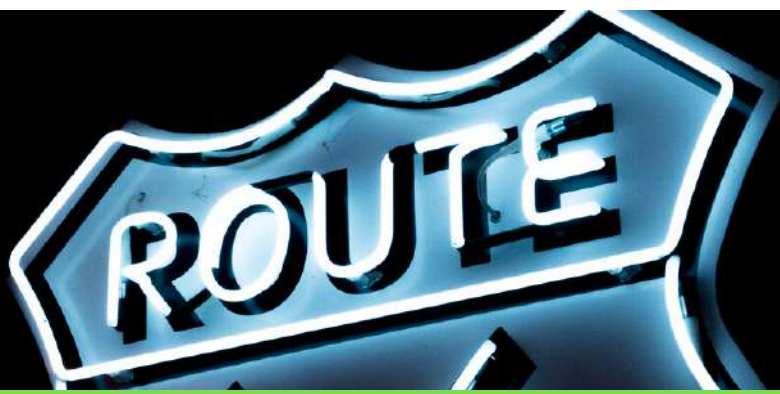
Import stops from KML/KMZ files

Specify transport vehicle type for advanced filtration and search in the list and on the map

Identify stops not involved in routes

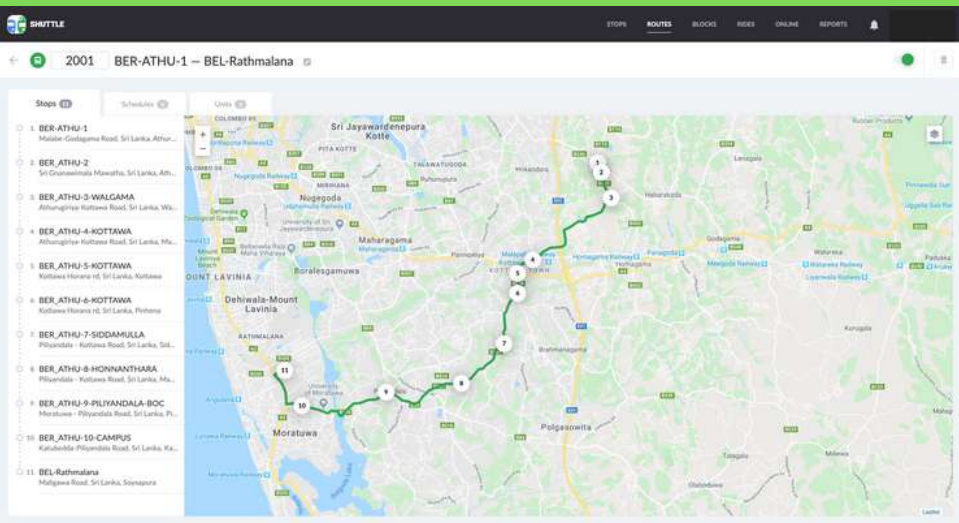Quick access to stops on the map from the list

Manage routes

Generate routes with precise schedules, individual operation patterns and bound units

Add hundreds of schedules for various circumstances and create schedules on the basis of the existing ones

Assign the units constantly following the route on the specified schedule in advance

Use dynamic search and filtration by vehicle type, route number, name, etc. Change stops sequence by drag&drop or replace one stop by another
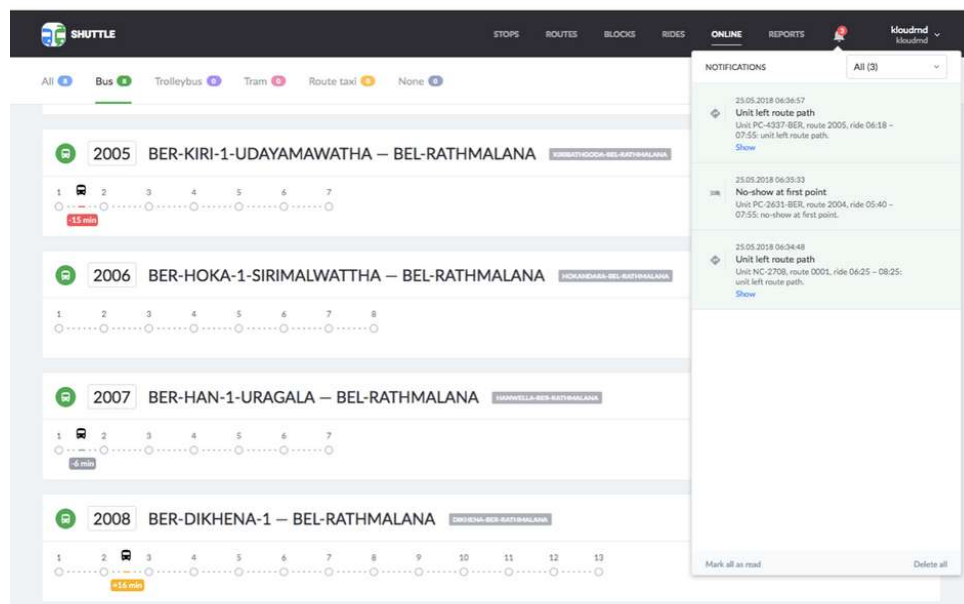
Plan rides

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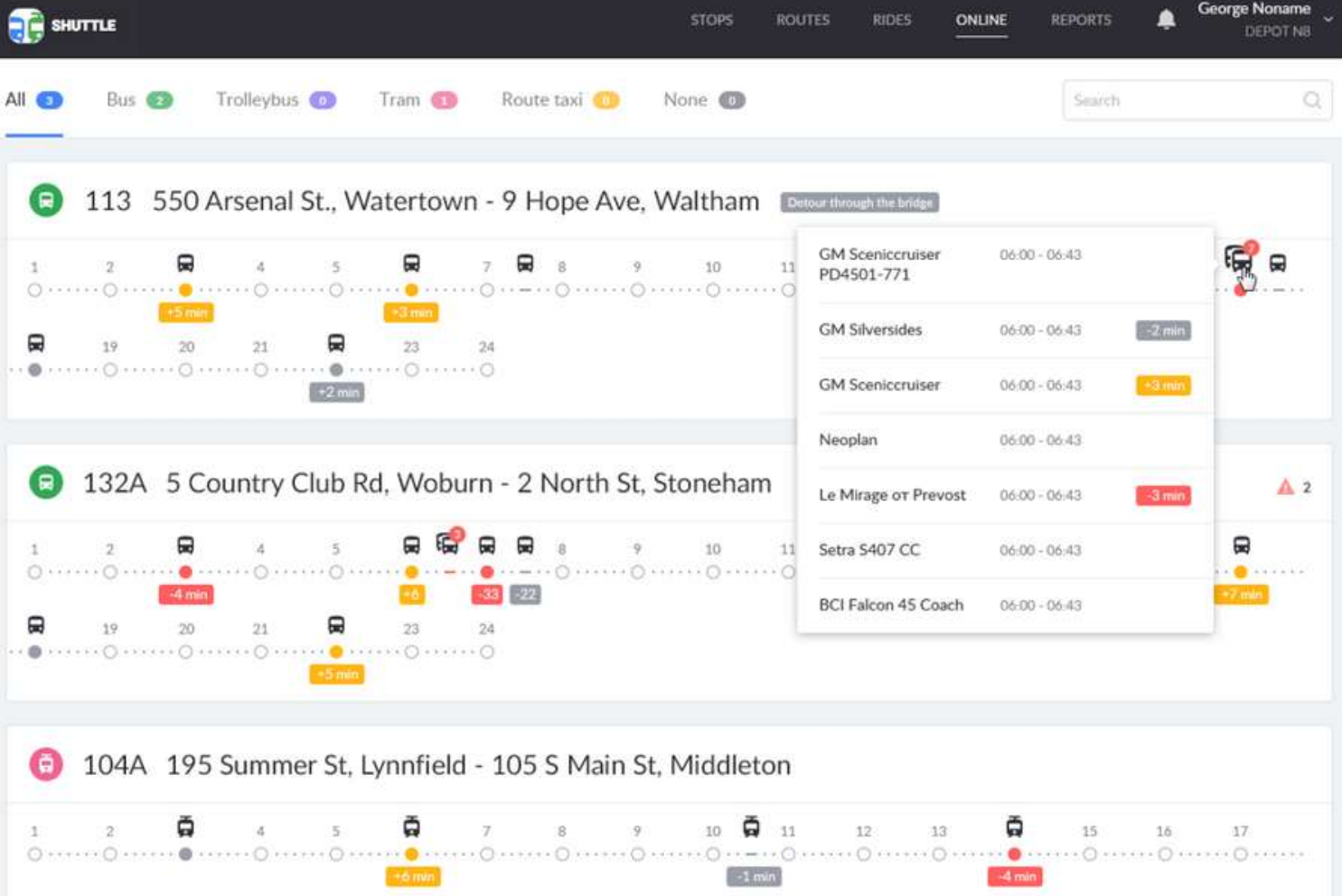
Use dynamic search and filtration to identify rides with no units assigned

Plan rides for schedules going beyond 24 hours

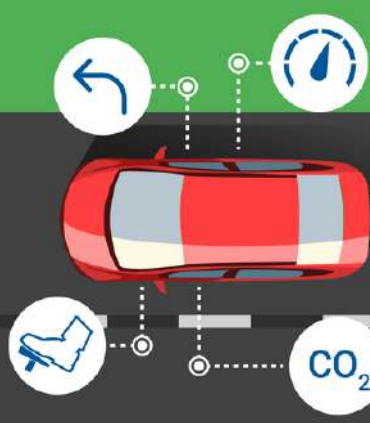Group rides by a route/unit for more convenient data display

Control center

Control rides in real time

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

- Employ 1 of 3 GIS sources for unit tracking on the map.

- Make use of color identification when analyzing late/early arrivals and view tooltips for additional information.

- Replace a vehicle on the already started ride.

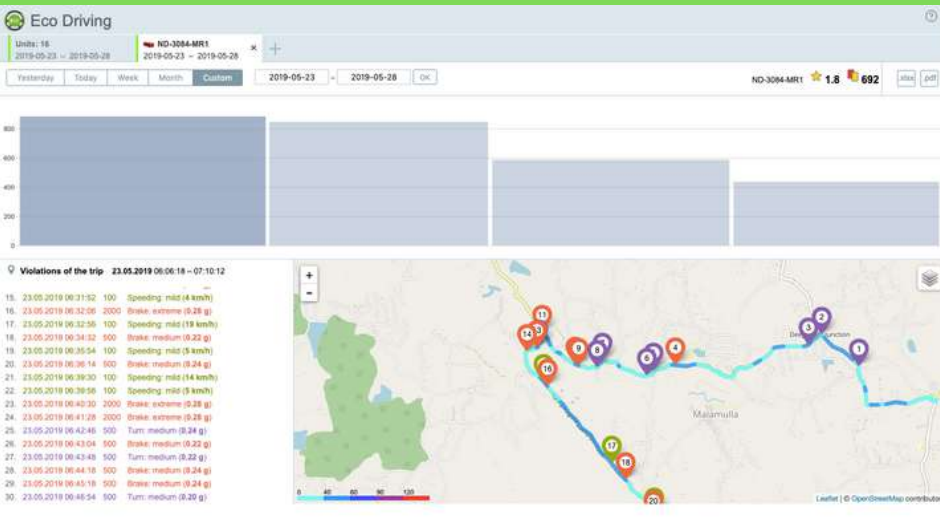- Configure settings for late/early arrivals detection.

KLOUD-*Circumspector*

Telematics based Human Factor Management in Modern Mobility

Driving Quality Assessment

There is a set of parameters for driving quality assessment: Speeding, acceleration, breaking, acceleration while cornering, reckless driving and a range of custom parameters based on chosen sensors. These parameters should be configured based on vehicle type under FiOS telematics device properties. Moreover, the amount of penalty points should be indicated for each violation.
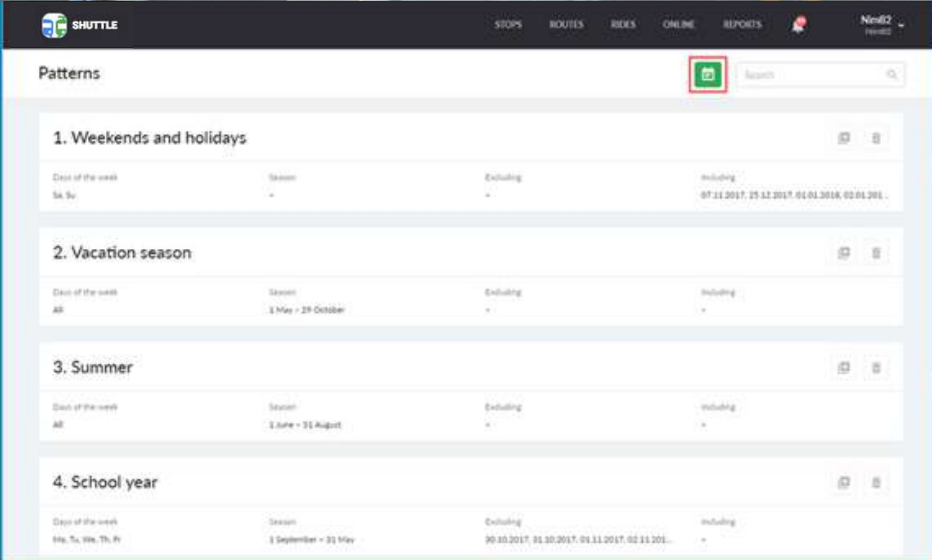

Circumspector Application

Converts received penalties into a rank (6 point score assessment). The following algorithm is used:

- Less than 20 penalties - 6.0 rank
- From 20 to 50 penalties - 5.0 rank
- From 50 to 100 penalties - 4.0 rank
- From 100 to 200 penalties - 3.0 rank
- From 200 to 500 penalties - 2.0 rank
- More than 500 penalties - 1.0 rank

Driving behaviour penalty templates are created based on user based practices. It is possible to re-configure penalty settings considering the vehicle types/road conditions etc by changing sensor parameter values.

Grouping	Violation	Value	Beginning	End	Duration	Mileage	Avg speed	Max speed	Penalties	Violation Count	Rank	Driver	Rating by violations
53-	-----	-----	2019-05-20 06:21:26	2019-05-26 19:59:42	22:44:01	698 km	60 km/h	97 km/h	99	94	4.0		2
58-	-----	-----	2019-05-20 04:34:42	2019-05-26 17:33:28	1 days 14:32:55	1140 km	56 km/h	81 km/h	201	418	2.9		5
HD	-----	-----	2019-05-20 05:49:55	2019-05-25 14:40:00	11:14:43	302 km	46 km/h	65 km/h	273	198	2.7		10
HH	-----	-----	2019-05-20 16:48:22	2019-05-25 14:18:32	5:49:45	131 km	24 km/h	53 km/h	233	58	2.8		8
JI-8	-----	-----	2019-05-20 05:48:38	2019-05-25 14:45:52	12:32:05	405 km	52 km/h	69 km/h	307	296	2.6		11
NA	-----	-----	2019-05-20 06:12:15	2019-05-25 14:40:04	11:02:21	328 km	35 km/h	49 km/h	153	118	3.4		4
NA	-----	-----	2019-05-20 06:36:18	2019-05-25 18:49:54	6:00:53	143 km	30 km/h	52 km/h	116	31	3.8		3
NB	-----	-----	2019-05-21 16:57:42	2019-05-25 15:17:44	7:08:04	155 km	32 km/h	57 km/h	270	73	2.7		9
NB	-----	-----	2019-05-20 06:22:28	2019-05-25 14:44:58	11:03:24	300 km	50 km/h	82 km/h	496	279	2.0		16
NB	-----	-----	2019-05-20 06:16:34	2019-05-25 14:40:22	12:41:02	351 km	45 km/h	70 km/h	48	54	5.0		1
NC	-----	-----	2019-05-20 06:08:04	2019-05-25 14:38:10	9:10:04	232 km	50 km/h	83 km/h	353	160	2.4		14
ND	-----	-----	2019-05-20 06:13:25	2019-05-25 14:32:38	10:09:35	239 km	62 km/h	81 km/h	307	70	2.6		12
ND	-----	-----	2019-05-20 00:15:15	2019-05-26 21:13:44	20:06:40	685 km	59 km/h	92 km/h	582	556	1.9		17

Create custom activity schemes for each route

Operation patterns are directly connected with schedules and determine the days when the latter should be active (weekdays, seasons, roadworks periods, etc.).

Reports

Analyze the performance of your fleet

Study ride history and assess performance quality in terms of routes and unitsGenerate basic and detailed reportsExecute reports for the intervals of up to 100 daysExport reports in .xlsx

For managers

- Create an effective dispatch center for comprehensive control.

- Cut mileage, fuel and maintenance expenses by eliminating unauthorized trips.

- Avoid fines for violating schedules.

- Optimize the number of vehicles on route by minimizing idle time

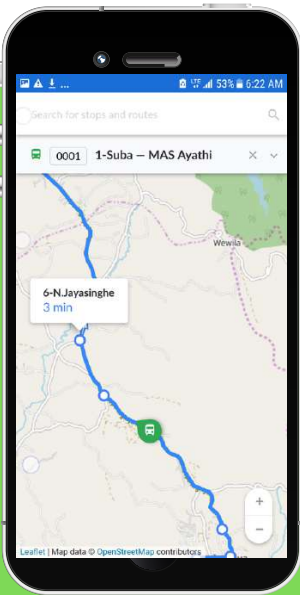- Get quick access to analytics for decision making

For despatchers

- Ensure schedule compliance, proper vehicle distribution, and reliability of services.

- Minimize traffic disruption cases.

- Improve planning accuracy, driver discipline and passenger transportation quality.

- Optimize time for route planning, schedule management and route sheets creation.

- Replace vehicles on the already started rides in case of breakdowns.

For passengers

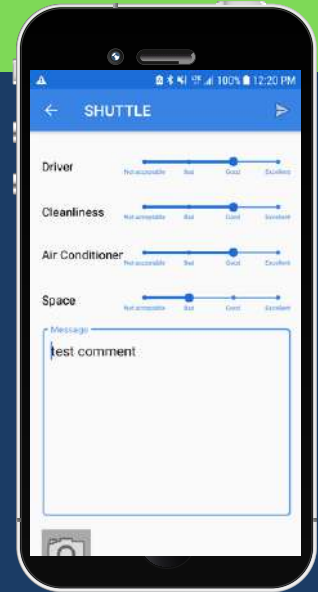| B76279 - Blk 491C		
Bus	**Arriving**	**Next Bus**
28	2 min	7 min
293	5 min	8 min
B76271 - Dunman Sec Sch		
Bus	**Arriving**	**Next Bus**
28	1 min	3 min

Mobile app for KLOUDIP SHUTTLE enables commuters to view pickup schedule, ETA to pickup points and track corporate shuttle's real-time movement on map.

Simply scan QR codes of required routes to see the status of busses on route.

Rate Your Ride

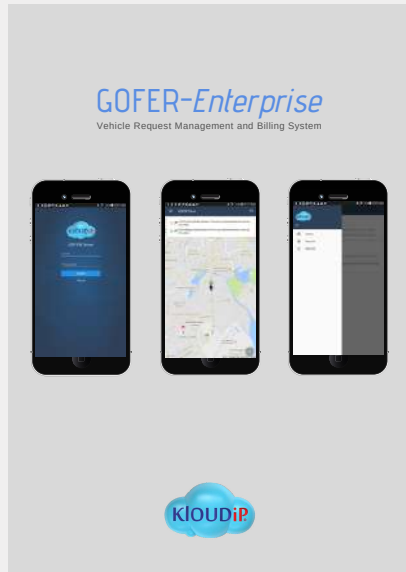| Driver	- Excellent - Good - Bad - Not acceptable
Cleanliness	- Excellent - Good - Bad - Not acceptable
Air Conditioner	- Excellent - Good - Bad - Not functioning
Space	- Excellent - Good - Bad - Not acceptable
Other	- Comment
Camera	- Upload photo

Web Interface

Extract, view and download (CSV,EXCEL) feed back data filtered by vehicle, fleet or all for analysis..

Do more with Telematics...