

Seamless E-Vehicles operations

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Regional Sales Manager

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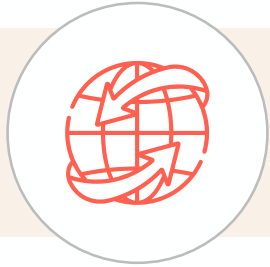


We are on a journey to **simplify** **public transport** through technology

At Ridango, we believe technology transforms transportation. Our products help our customers hide the inevitable complexity of operations to provide a better customer experience for millions of travellers daily.

We're committed to supporting the goals of public transport authorities and operators through intelligent transportation systems like account-based ticketing, contactless transit payments, demand-responsive transport, and real-time information solutions. And this is just the beginning of our journey.

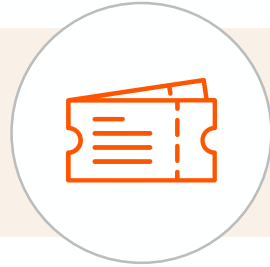
Awarded progressive ITS solutions for public transportation since 2009



Live and operational in

more than 27 countries worldwide

(from Asia, Middle East, Africa, Europe to Australia)



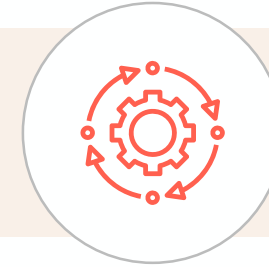
travelers using our systems every month

5bn+ passenger trips annually



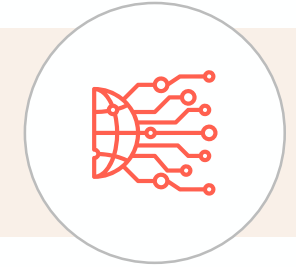
Value of the projects delivered

>\$200m value of projects



A lot of operators using systems daily basis

>110 PTO's using systems



Tens of thousands of assets connected

~35k connected vehicles

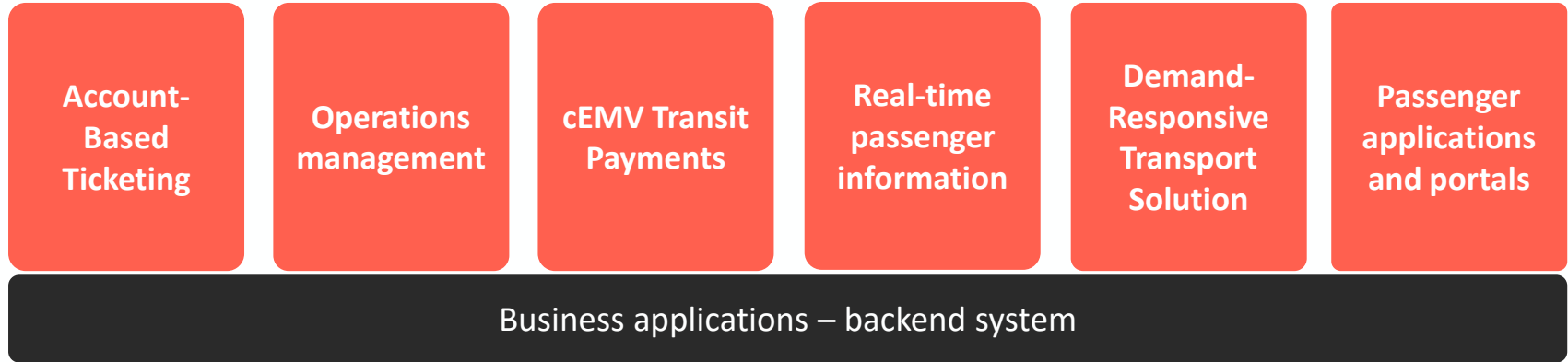




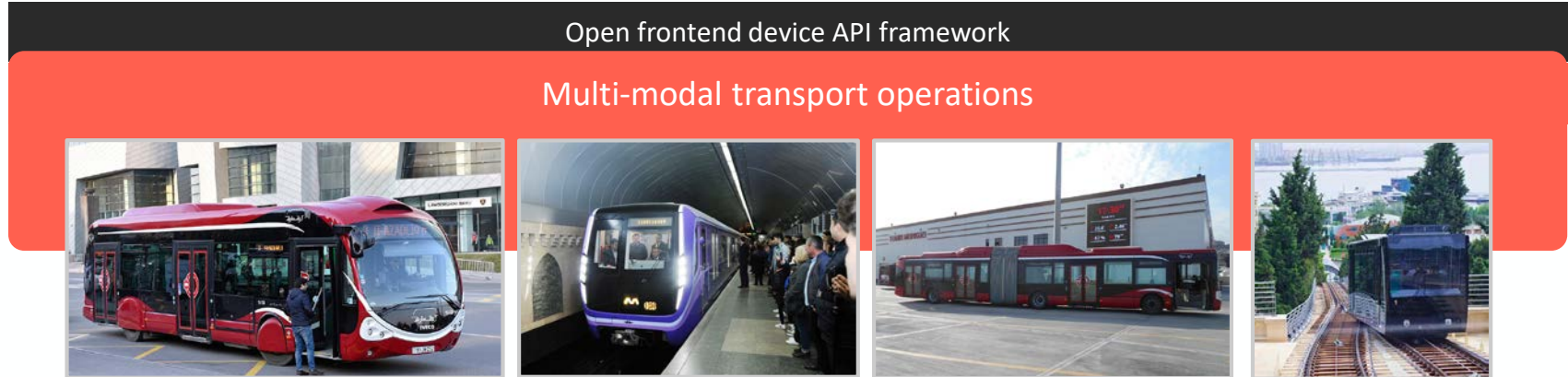
Users



Business applications & Analytics solutions



Frontend





EXPERIENCED GLOBAL PLAYER IN E-MOBILITY



- | | | |
|--------------|------------------|--------------------|
| 1. Estonia | 10. India | 19. Egypt |
| 2. Lithuania | 11. Azerbaijan | 20. Oman |
| 3. Finland | 12. Japan | 21. Qatar |
| 4. Sweden | 13. Slovenia | 22. Kuwait |
| 5. Norway | 14. Greece | 23. Malaysia |
| 6. Ukraine | 15. Croatia | 24. Mauritius |
| 7. Greenland | 16. New Zealand | 25. Mexico |
| 8. Singapore | 17. Australia | 26. Czech Republic |
| 9. Hong Kong | 18. Saudi Arabia | |

SOME OF OUR CUSTOMERS – SMART MOBILITY

**FIFA World Cup Qatar 2022
Tournament Transportation system**



Baku, Azerbaijan



**Makkah Mass Transit System
Saudi Arabia**



SMRT, Singapore



**Environment Canterbury
New Zealand**



MTR, Hong Kong



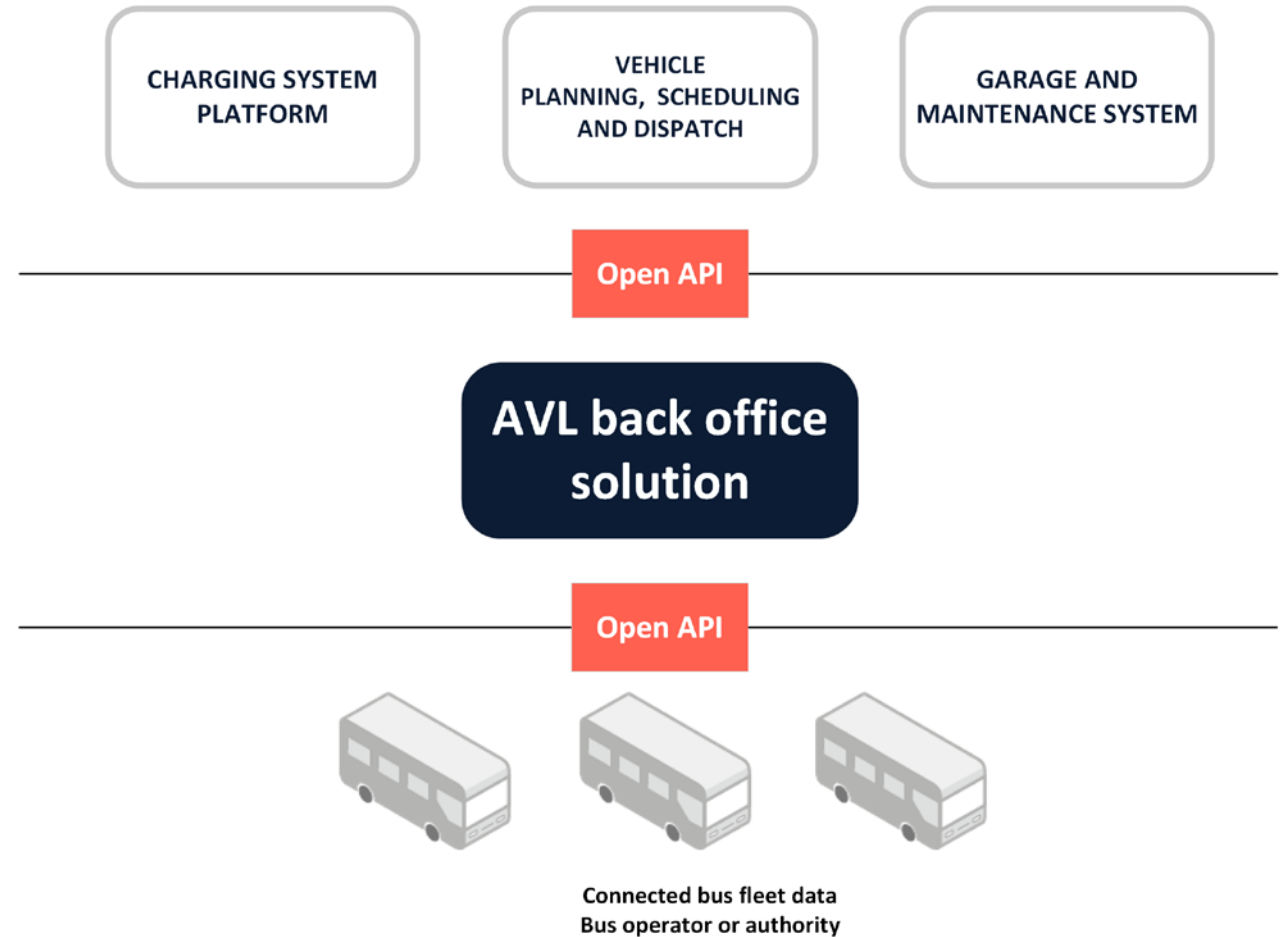


Electric buses offer a number of advantages over traditional buses, including lower operating costs, reduced emissions, and quieter operation.



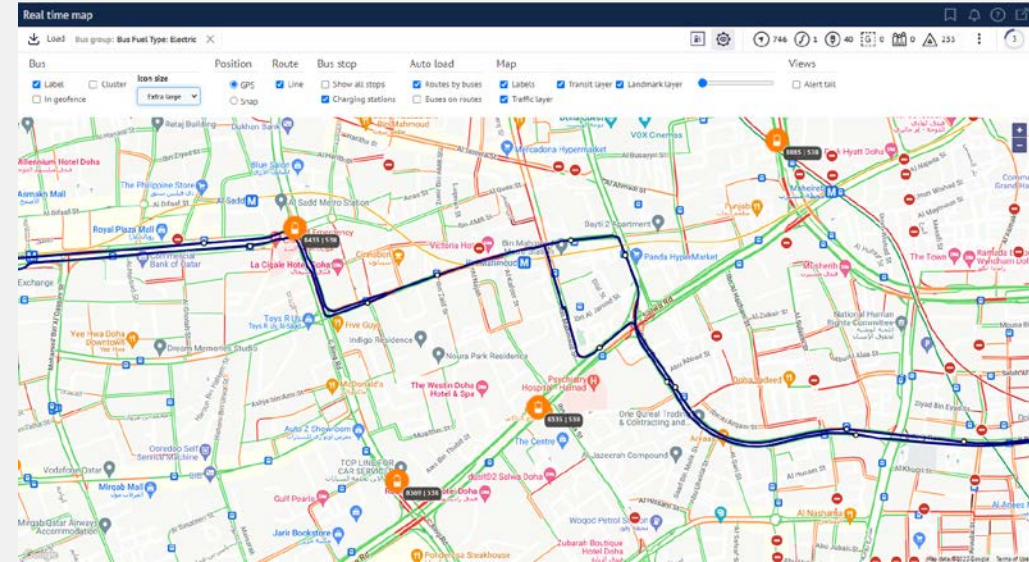
Monitor and manage EV operations

AVL integration with charging stations, VPS D and legacy systems.



360 ° Overview for the operators

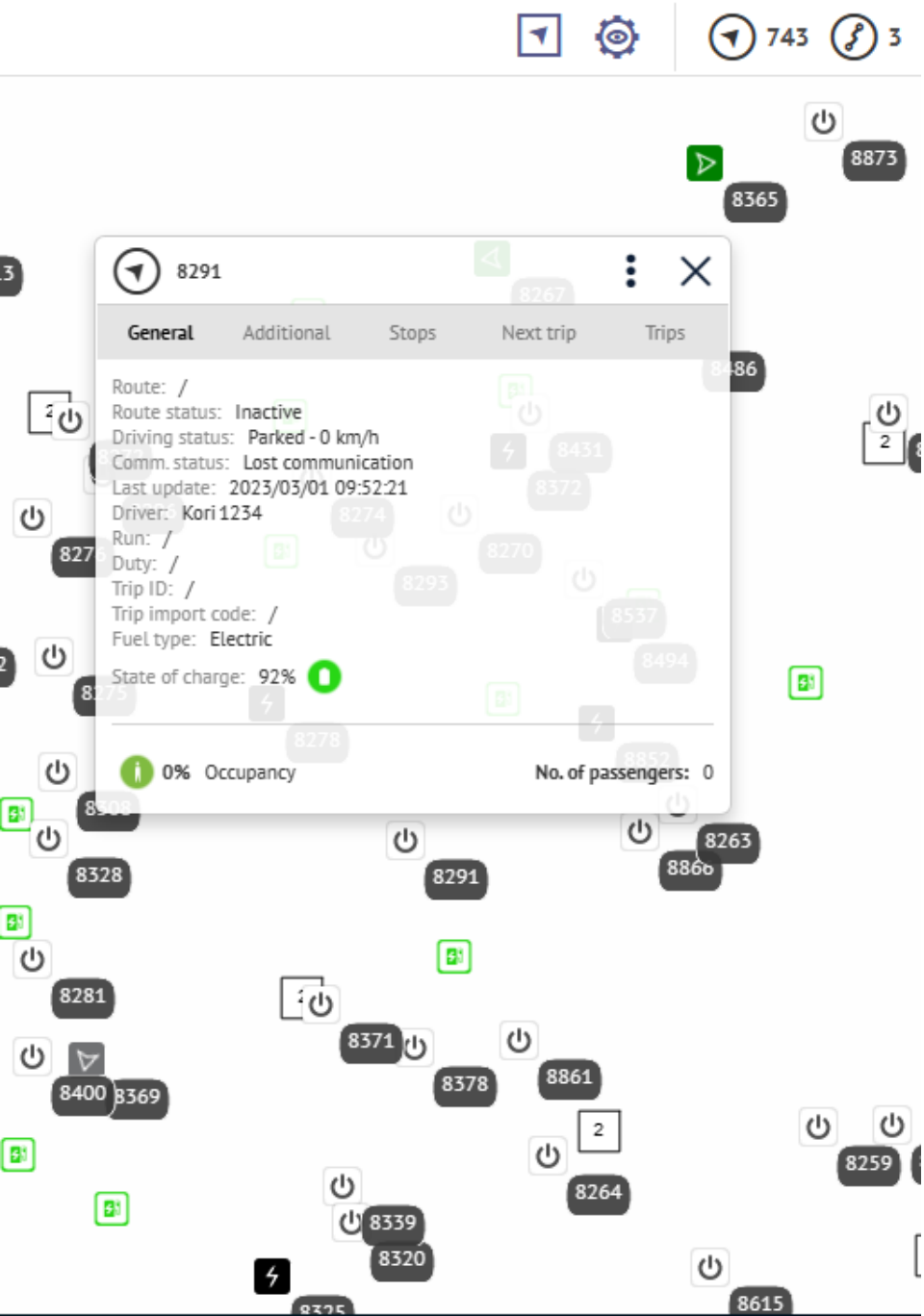
- 1 Various views and diagrams offer the operator a wide array of viewing options of the transport system
- 2 Vehicle health and diagnostics monitoring enables exact State of Charge (SOC) and battery health monitoring and preventive maintenance of the vehicle.
- 3 Well documented APIs enable the output of gathered information to external systems.



Electric vehicles and the state of charge quickly recognized from real-time map



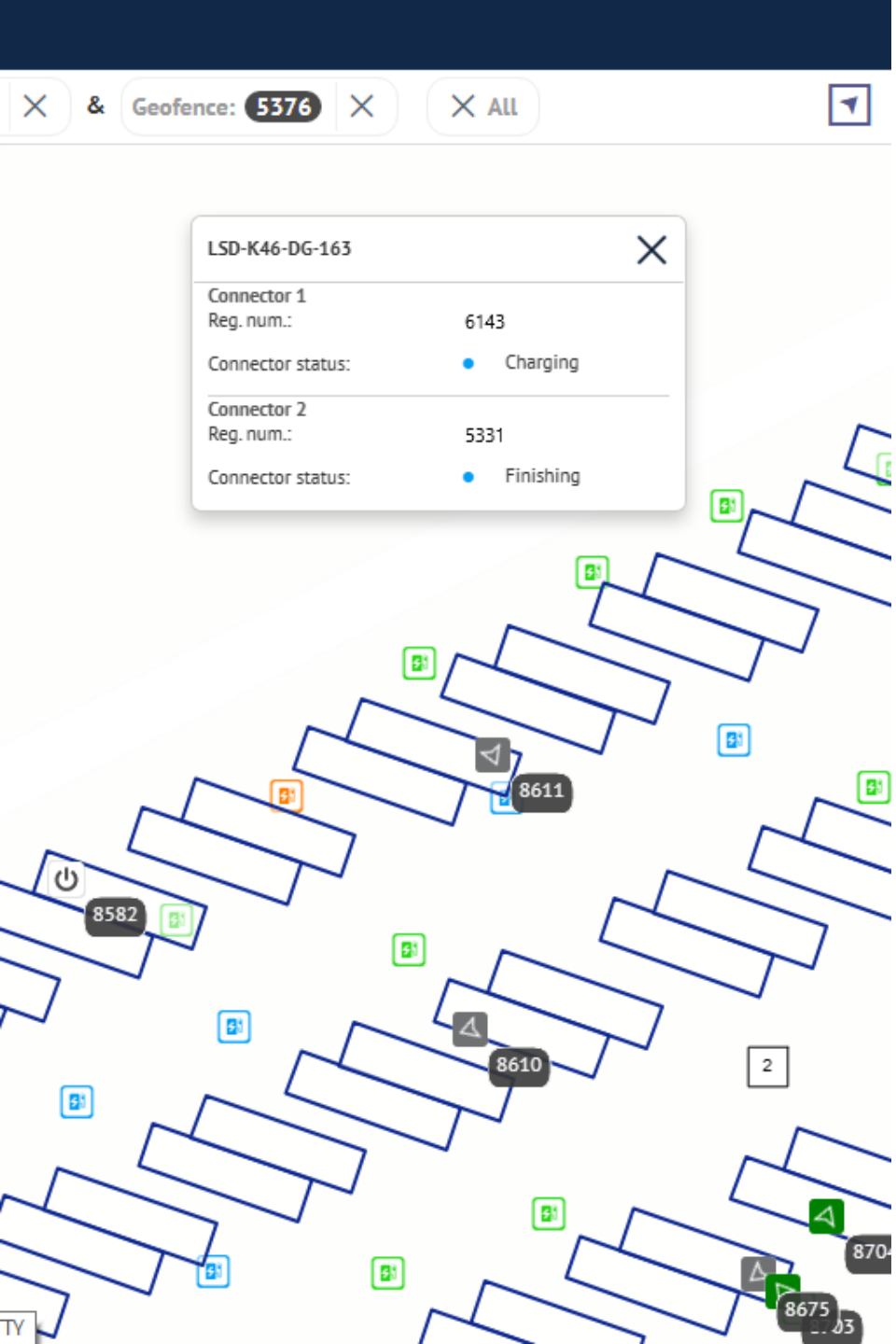
Vehicle health and electric parameters monitoring through telemetry data



Vehicles are color-coded for State of Charge (SoC) information and details are available

Depot charging station





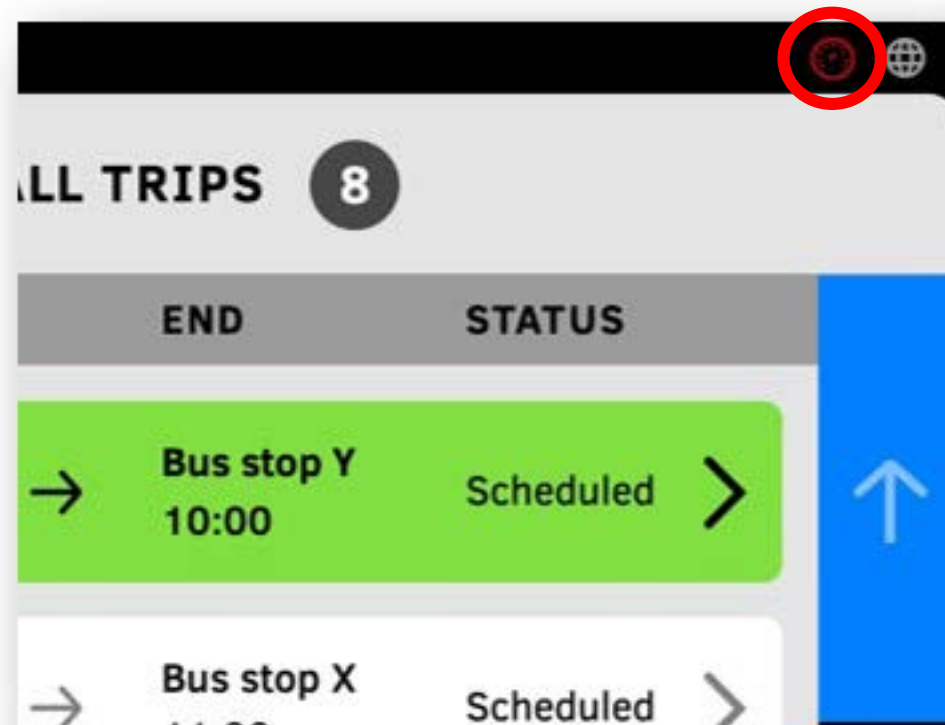
Charging stations in depot are clearly marked on the map and color-coded for availability

E-incidents

Detection and resolution of e-incidents such as : **state of charge alerts, battery alerts, charge current alerts, charging faults, discharge current alerts, high temp. of battery alert, sudden SOC change, etc.**

Incident no.	Refers to	Type	Severity ∇_1	Priority ∇_2	Details
2022-07-10-19	5108	Battery serious high temper	Critical	100	
2022-07-10-17	3651	Battery serious high temper	Critical	100	
2022-07-10-16	37	Battery serious failure	Critical	100	
2022-07-10-15	9391	SOC low level two alarm	Critical	100	
2022-07-10-13	9324	Critical SOC	Critical	100	
2022-07-10-18	5108	Low SOC	High	100	

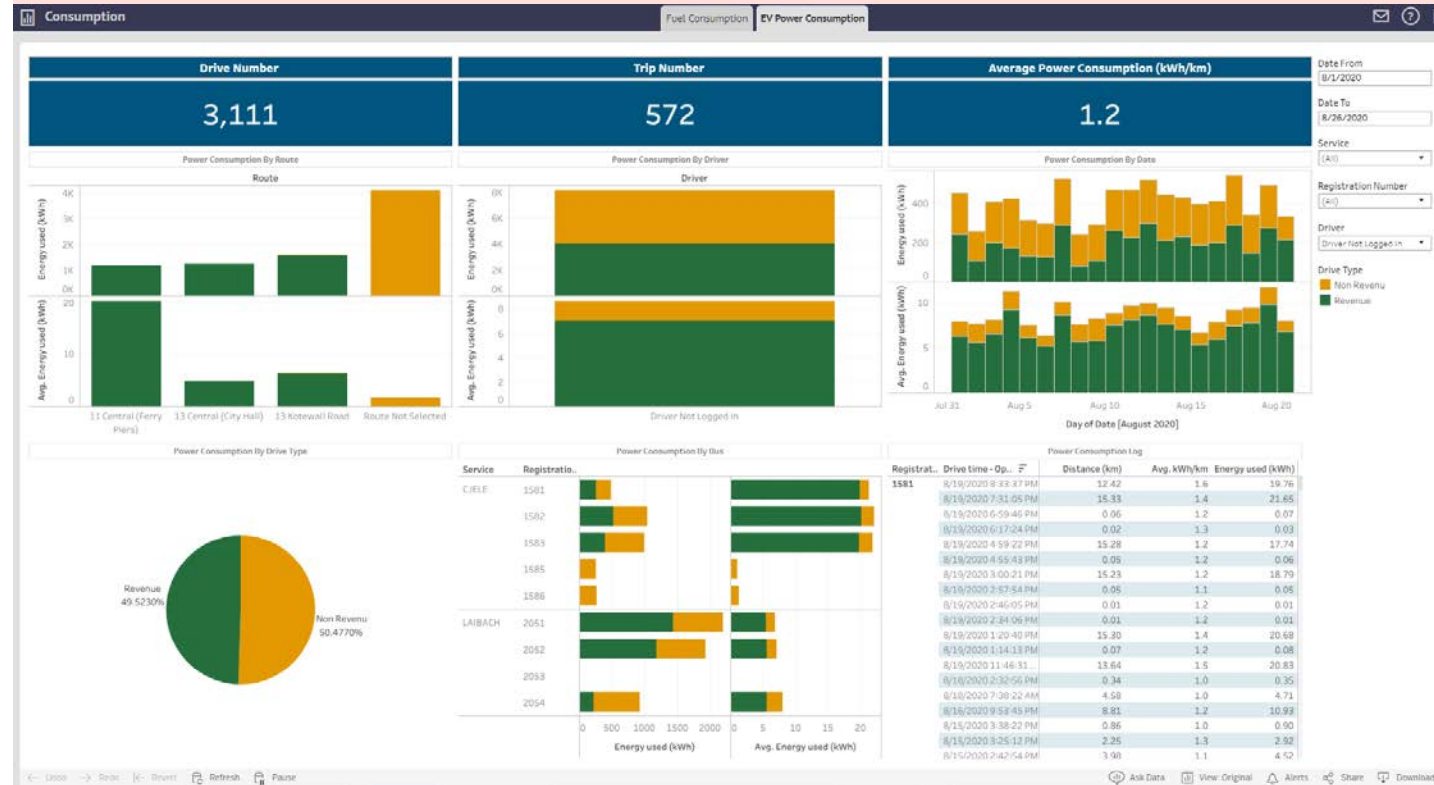
Driver's alert on the Driver Console



Incidents are configured by the user in the back office!



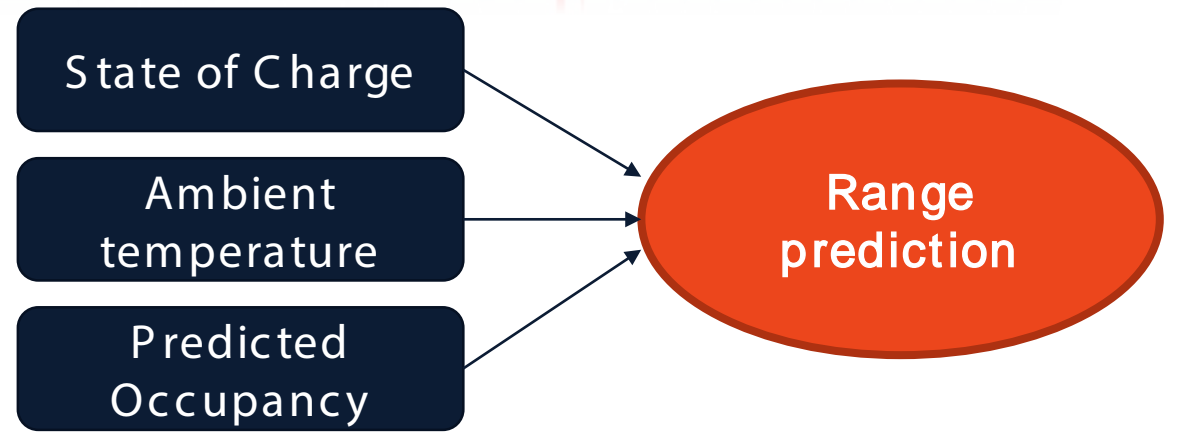
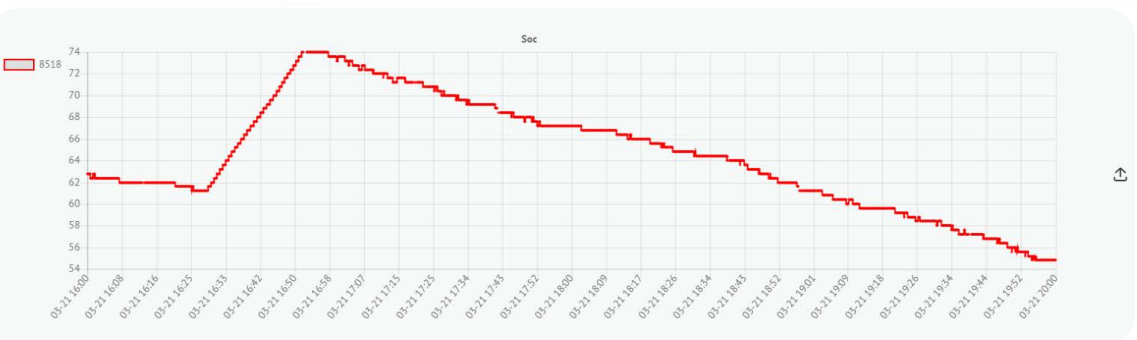
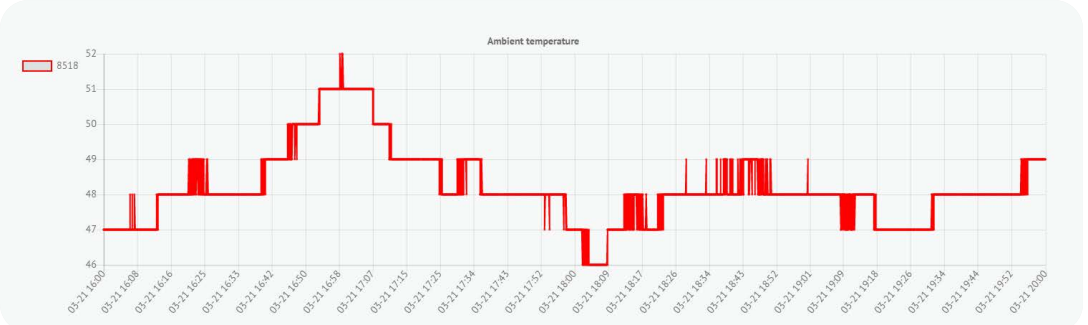
Efficiency and cost savings through BI monitoring



BI reports enable fleet managers to make data-driven decisions about their charging infrastructure and optimize their operations for maximum efficiency and cost savings through monitoring consumption per bus, driver, route or groups.

Range prediction inputs

- » Collection of high - resolution data- on electric vehicle operations versus occupancy and ambient temperature for predicted range planning.
- » Seamless integration with AI solution for range prediction.



Easy management of E-vehicles in Ridango solutions



Thank you!

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