



Engine Model:
WEICHAI LOVOL
WP4.1G125E441

Rated Power:
92kW (123hp) /
2400rpm

Weight:
13850kg

FR150E2-H

Hydraulic Excavator
Easy and convenient maintenance

EU STAGE III COMPLIANT ENGINE
Reduced Emissions

LOVOL HEAVY INDUSTRY GROUP CO.,LTD.

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Website: <https://en.wiwoi.com/>

Technical specifications and designs are subject to change without notice and additional equipment may be installed on the supplied machines

As manufacturer, LOVOL has right to constantly upgrade and improve our products without informing to customers.

The pictures in illustrators are for reference only, the detailed specifications are subject to real products.

Product Specification



Overall machine parameters

Operation Weight, kg	13850
Walking Speed (Max./Min), km/h	5.5 / 3.2
Rotation Speed, r/min	13
Rotation angle, degree	360
Bucket Digging Force, kN	95.5
Arm Digging Force, kN	69
Traction Force, kN	116
Gradeability, degree	35
Ground Pressure, kPa	40
Shipping Width (2), mm	2550
Cab Height (6), mm	2800
Overall Length (5), mm	9000
Wheel Tread (3), mm	2780
Track Length (4), mm	3530
Electric system, V	24
Battery, V/Ah	12 / 120



Engine

Engine	WEICHAI LOVOL
Model	WP4.1G125E441
Engine Type	Diesel Engine, 4 Stroke, Turbocharger, Water Cooled, Intercooler
Emission Standard	EU stage IIIB
Number of Cylinder	4
Displacement, L	4.087
Rated Power, kW [metric hp]	92 [123]
Rated Speed, rpm	2400
Engine Torque, N·m	500.5
Torque Speed, rpm	1600
In heavy duty working applications, the main computer controller automatically adjusts power and speed according to the change of the load to ensure high output power, so as to the efficiency will be improved significantly	



Working performance

	Standard Arm	Long Arm
Max. Digging Radius (A), mm	8450	8800
Max. Digging Radius On Ground Level (B), mm	8380	8720
Max. Vertical Digging Depth (D), mm	4800	5100
Max. Digging Depth (C), mm	5400	6000
Max. Unloading Height (E), mm	6200	6400
Max. Digging Height (F), mm	8550	8900



Chassis module

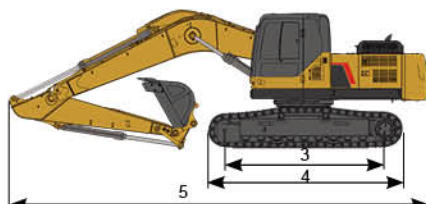
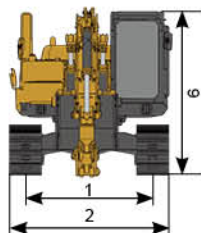
Track

Track Gauge (1), mm	2000
Track Width, mm	600

Supporting Wheels

Upper Roller (Each side)	1
Lower Roller (Each side)	7

- The track can be adjustable of tension
- The left and right track driving independently



Hydraulic

Hydraulic Pump	Variable displacement piston pump
Hydraulic Flow, L/min	246.4
Hydraulic Pressure, MPa	34.3
- The system will automatically detect the pressure when face big frustration during digging, and automatically adjusts output pressure to keep the powerful force in digging process - Provides smooth hydraulic travel, reliable hydraulic braking on slopes, and precise hydraulic control of the excavator attachment and dozer blade	



Working equipment

Bucket Type	Standard Bucket With Teeth And Side Cutter		
Bucket Capacity (SAE Heaped), m³	0.60	0.53	0.40



Oil

Fuel Tank Capacity, L	252
Hydraulic Oil System Capacity, L	170



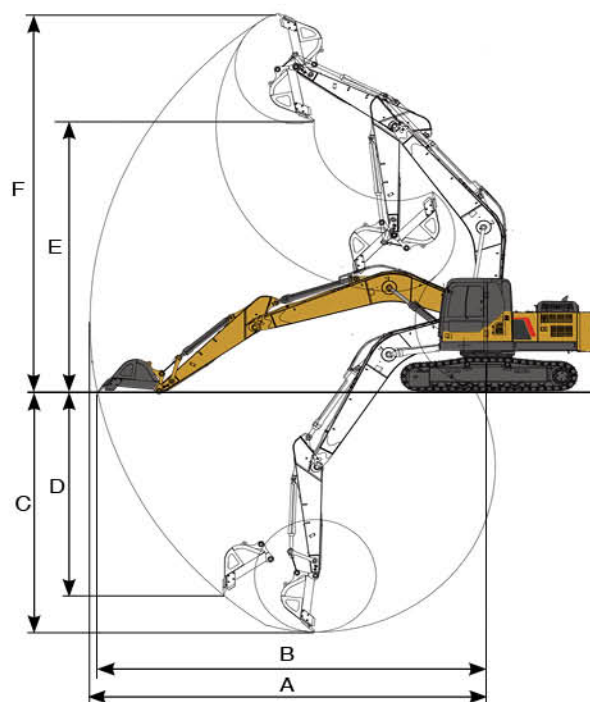
Standard equipment

- Hydraulic safety lock, backup alarm
- All weather steel cap with safety glass, ROPS/FOPS cab, safe work, air condition, wipers, radio
- Adjustable suspension seat with safety belt is very comfortable
- LCD Display screen : working mode (power mode, ECO mode) hour meter, voltage charger, water-cooling temperature, engine oil pressure, hydraulic oil pressure, fuel level, etc., and add trouble code diagnostic and maintenance monitor functions which are convenient for operator to find the failure and do the routine maintenance on time



Optional equipment

- GPS system
- Quick coupler
- Hydraulic breaker
- Flail head
- Rear view camera
- Radio FM/AM/USB/CD
- Cab front guard





LOVOL HEAVY INDUSTRY OVERSEAS INTERNET OF VEHICLES & SMART LOVOL OVERSEAS APP PRODUCT INTRODUCTION



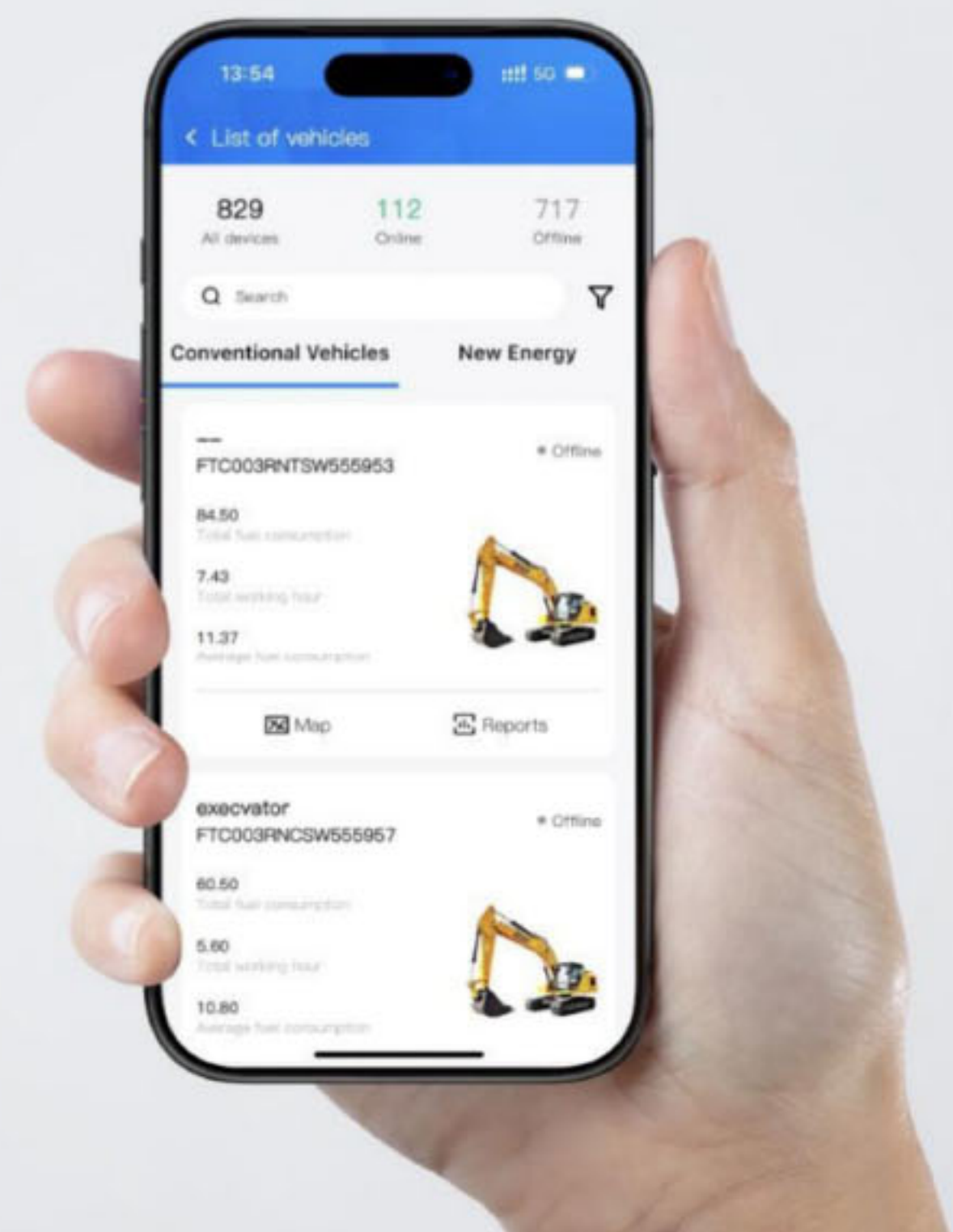
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Click the link to open directly



VEHICLE TERMINAL

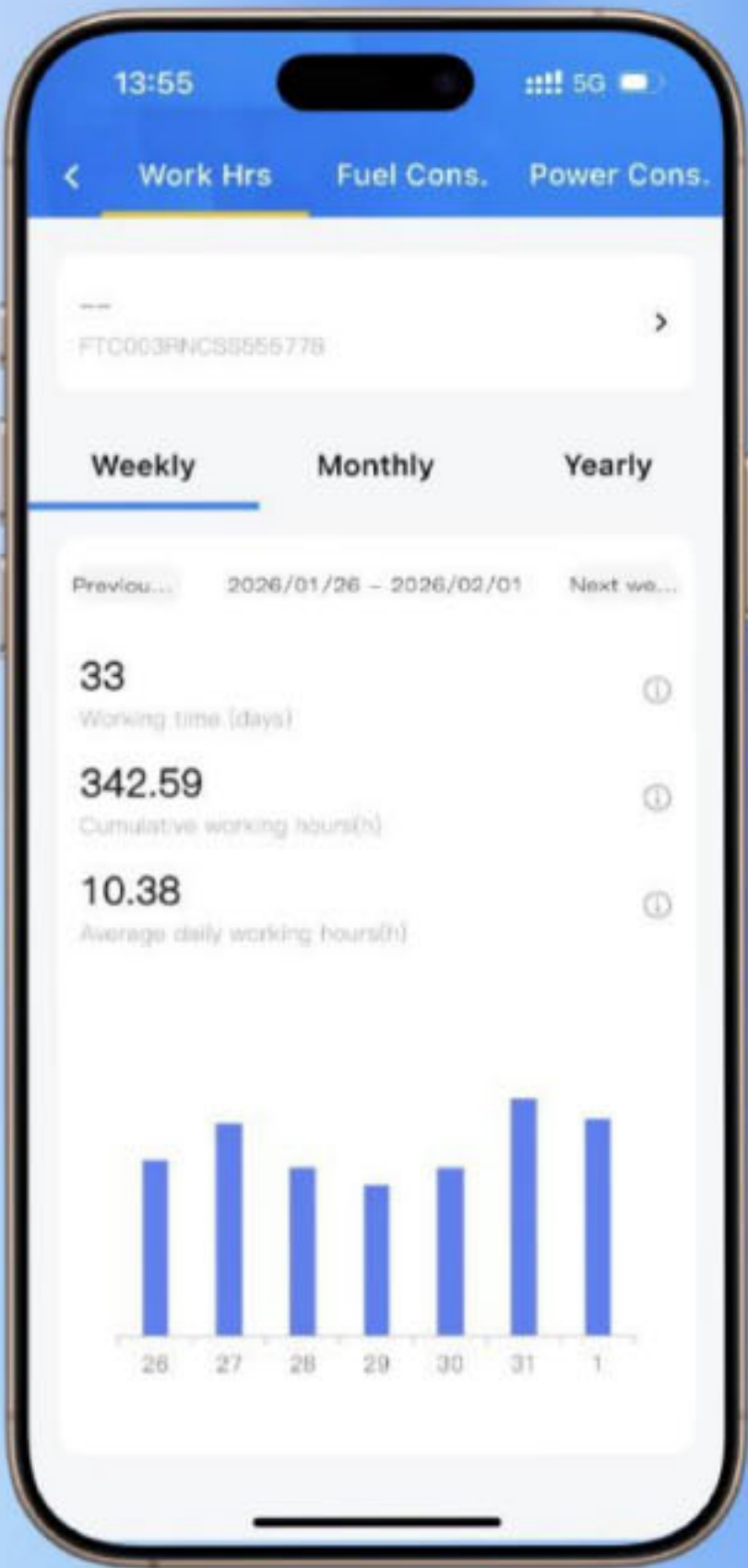
THE VEHICLE IS EQUIPPED WITH TERMINAL
EQUIPMENT TO OBTAIN VEHICLE BODY DATA



ON-THE-GO EQUIPMENT MANAGEMENT: DATA VISIBILITY, PREVENTION & UPKEEP

REMOTELY ACCESS REAL-TIME VEHICLE POSITIONING, OPERATING CONDITIONS, AND STATISTICAL DATA (E.G., WORKING HOURS/FUEL CONSUMPTION) VIA THE MOBILE TERMINAL ANYTIME, ANYWHERE. RECEIVE TIMELY FAULT ALERTS TO TAKE RAPID PREVENTIVE MEASURES AND AVOID COST ESCALATION. SYNCHRONIZED MAINTENANCE REMINDERS FACILITATE STANDARDIZED EQUIPMENT UPKEEP.

MAP



STATISTICS

COMMUNICATIONS EQUIPMENT

LOVOL PROVIDES DUAL-MODE (CELLULAR, SATELLITE) COMMUNICATIONS TO MAXIMIZE COMMUNICATION COVERAGE



LOVOL AND DEALERS WILL SUPPORT CUSTOMERS TO IMPROVE WORK EFFICIENCY THROUGH TIMELY AND RESPONSIVE SERVICES



DISTRIBUTOR

PROVIDE CUSTOMERS WITH QUALITY SERVICES

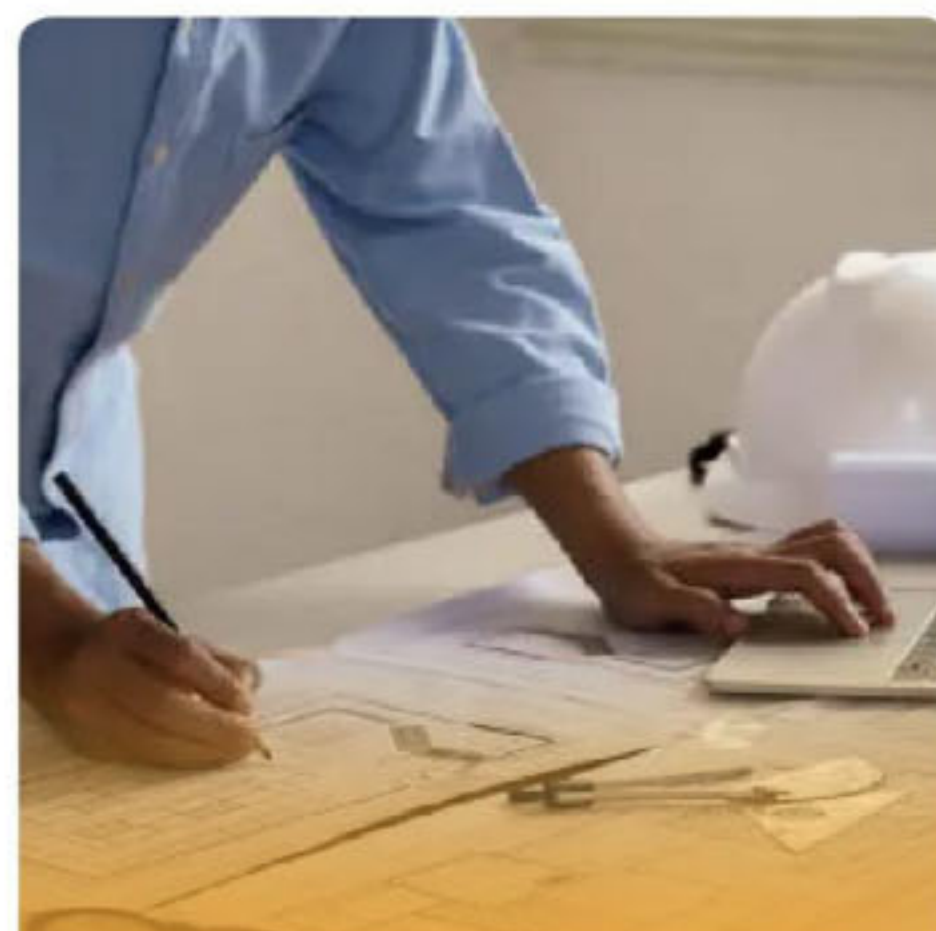
- OBTAIN VEHICLE STATUS THROUGH THE PLATFORM TO PROVIDE CUSTOMERS WITH TIMELY AND EFFECTIVE SERVICES
- SYSTEM MANAGEMENT OF VEHICLES SOLD



CLIENT

IMPROVE WORK EFFICIENCY AND OPTIMIZE OPERATING COSTS

- REMOTELY MONITOR VEHICLE BODY DATA AND ADJUST VEHICLE WORKING STATUS TIMELY AND EFFECTIVELY ACCORDING TO ACTUAL WORKING CONDITIONS
- ANALYZE FUEL CONSUMPTION ACCORDING TO WORKING CONDITIONS AND SELECT THE WORKING MODE WITH LOWER FUEL CONSUMPTION UNDER CORRESPONDING WORKING CONDITIONS



OEM

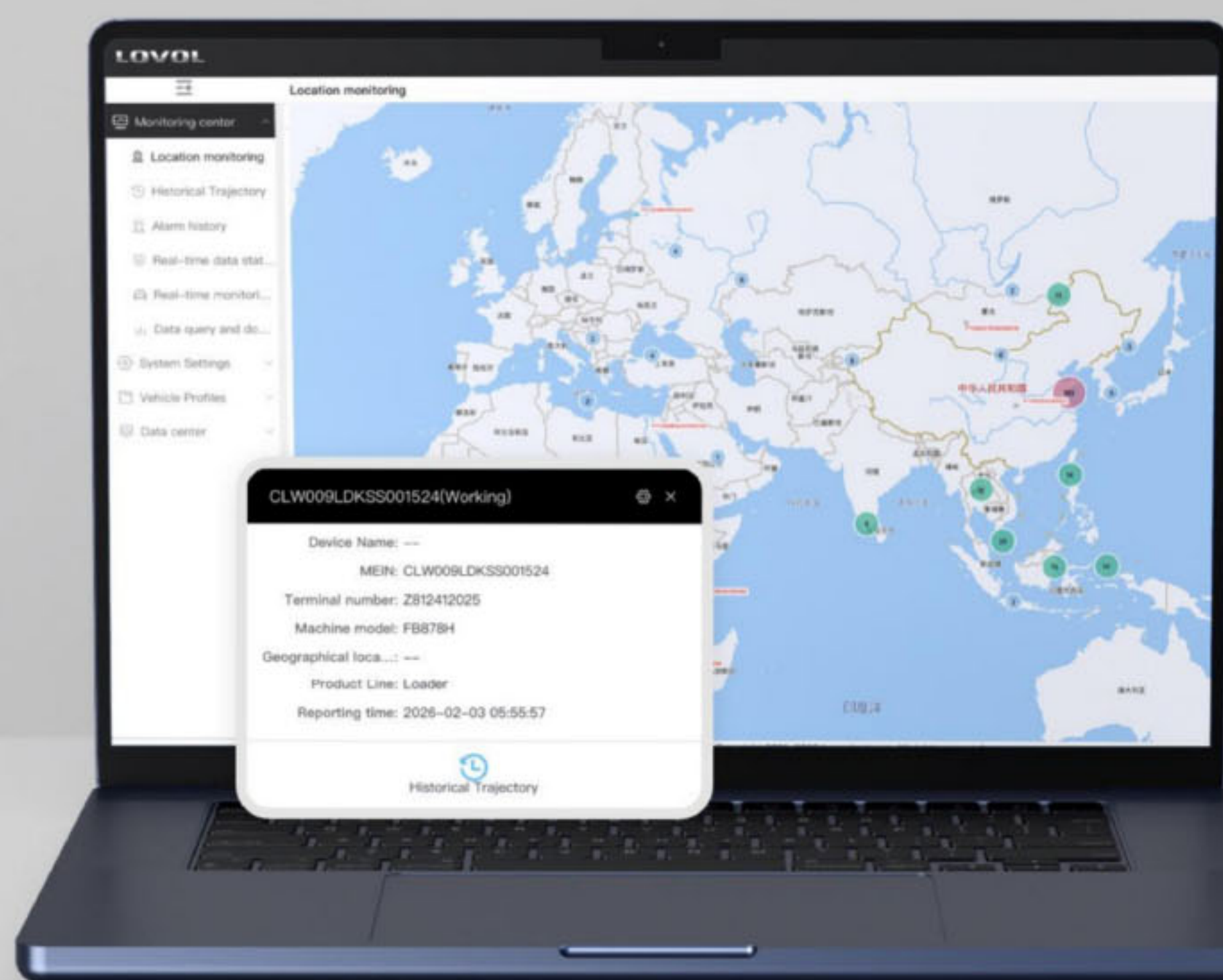
IMPROVE PRODUCT COMPETITIVENESS

- GO DEEP INTO THE MARKET, OPTIMIZE THE BODY AND PLATFORM PROBLEMS BASED ON THE FEEDBACK FROM USERS USING THE PLATFORM, AND CREATE PRODUCTS THAT ARE MORE SUITABLE FOR MARKET USERS

LOVOL PROVIDES A VARIETY OF VEHICLE WORKING DATA TO HELP YOU UNDERSTAND THE VEHICLE'S WORKING STATUS

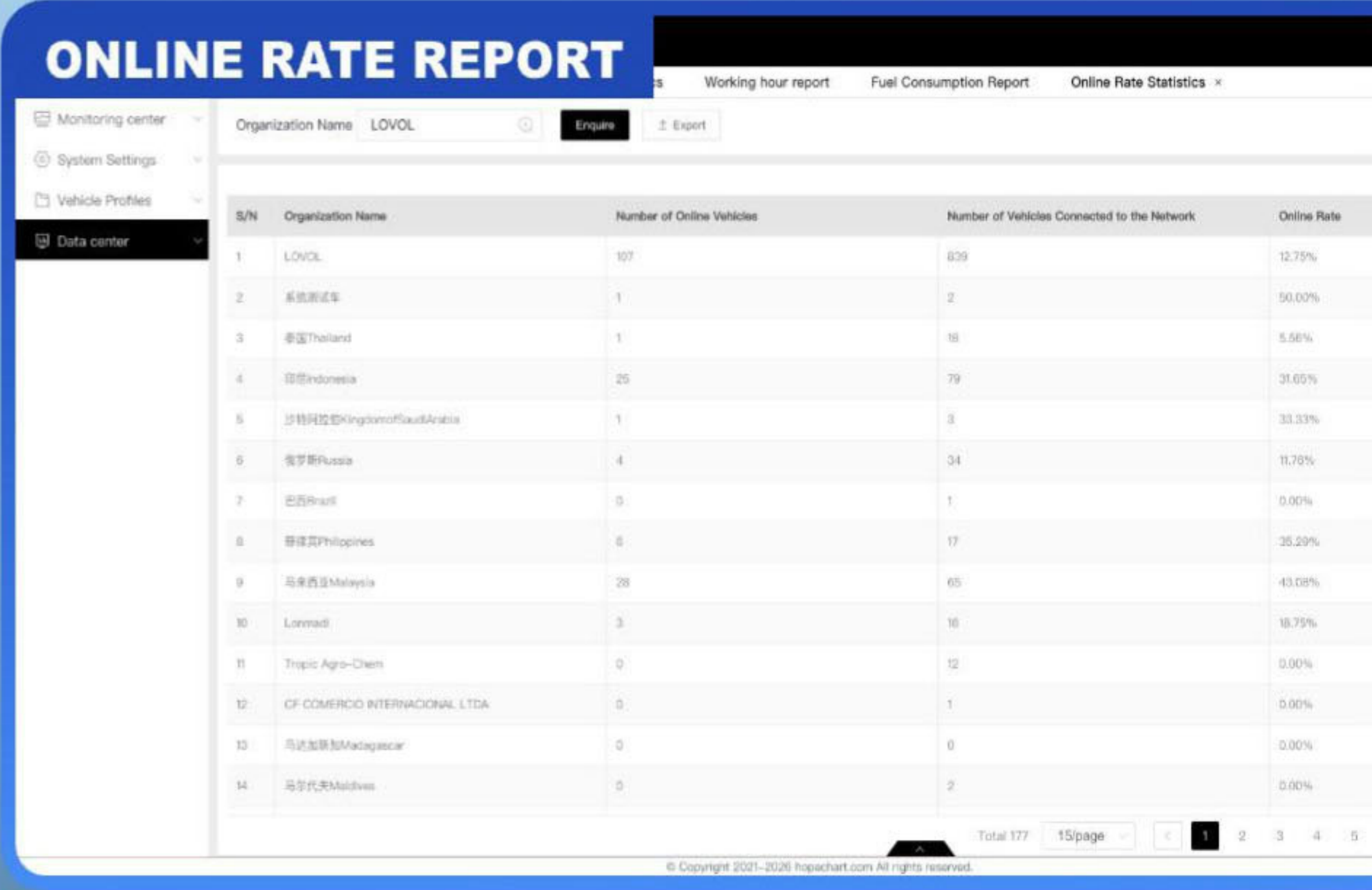
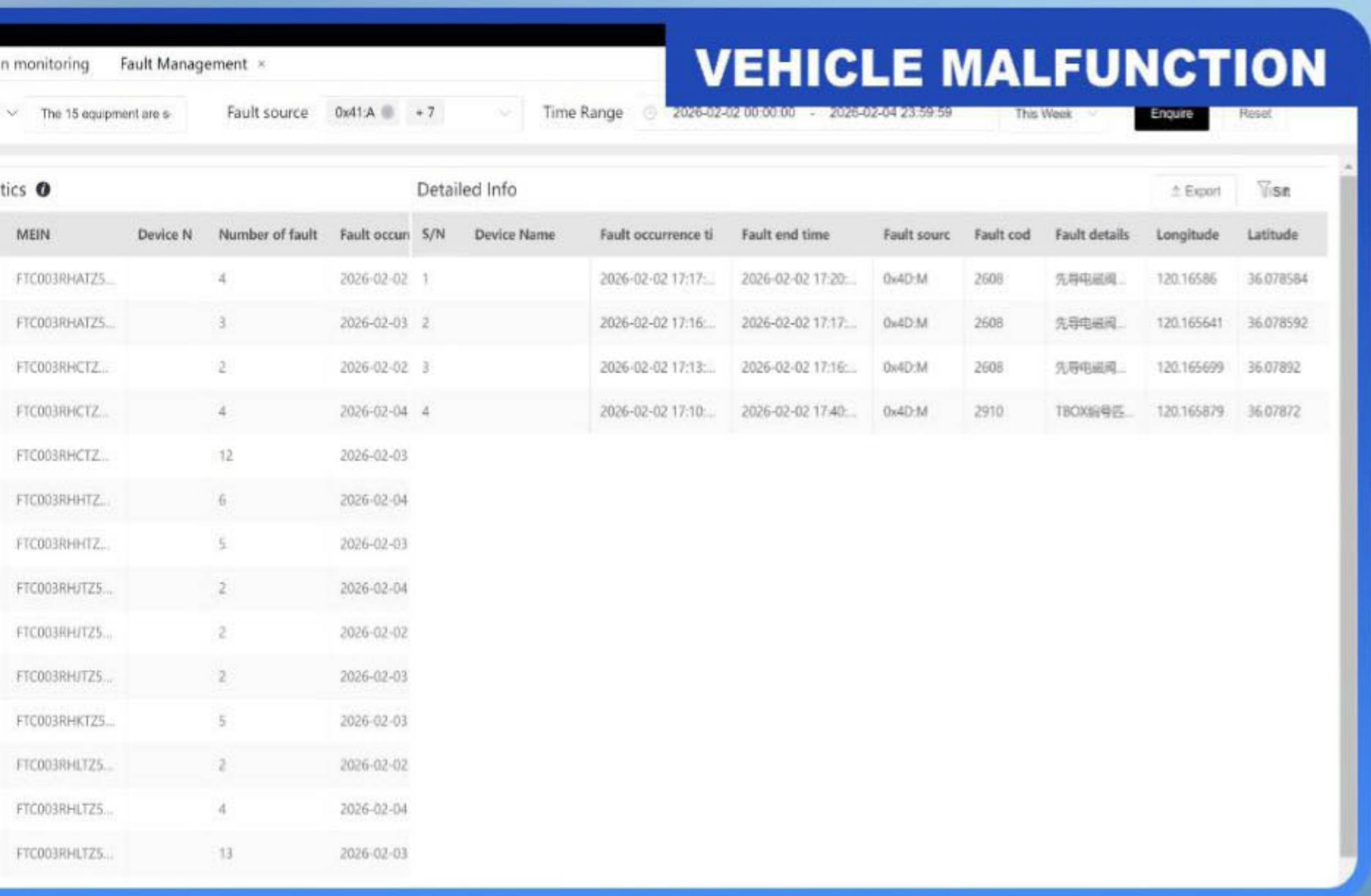
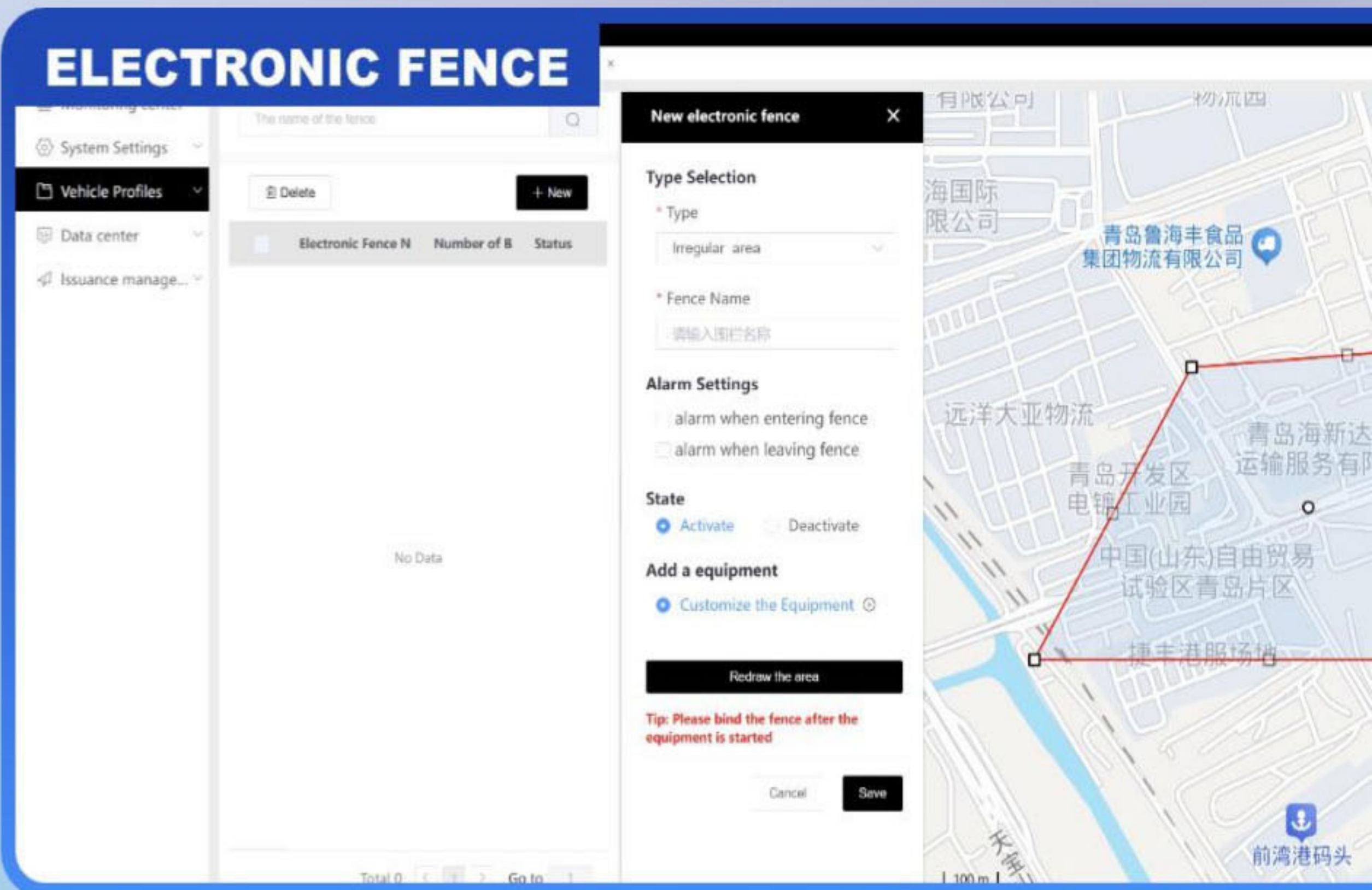
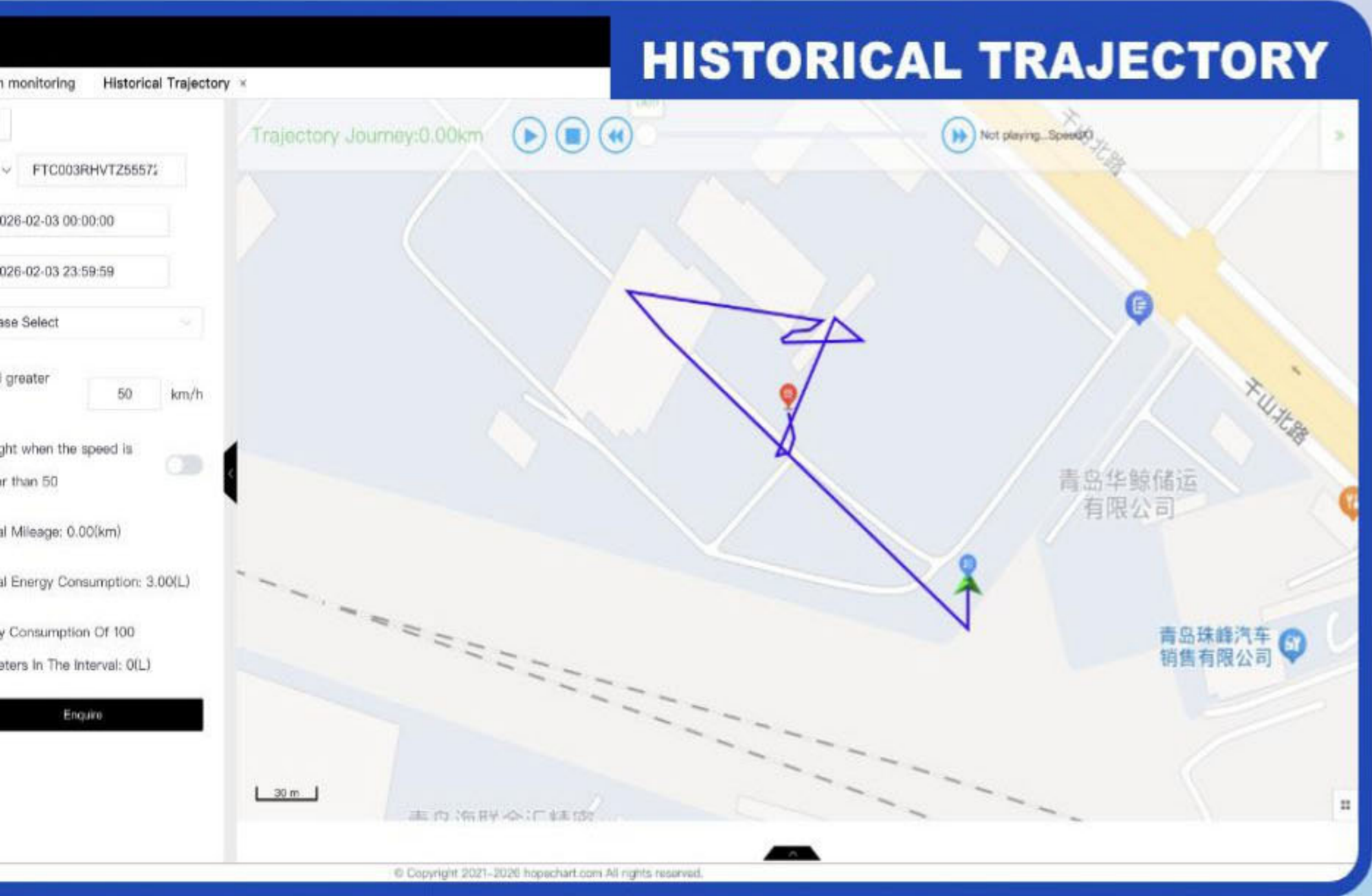
VEHICLE INFORMATION

BASED ON THE VEHICLE TERMINAL, REAL-TIME MONITORING OF EQUIPMENT LOCATION AND OPERATING CONDITION DATA IS REALIZED VIA THE INTERNET OF VEHICLES (IOV) PLATFORM.



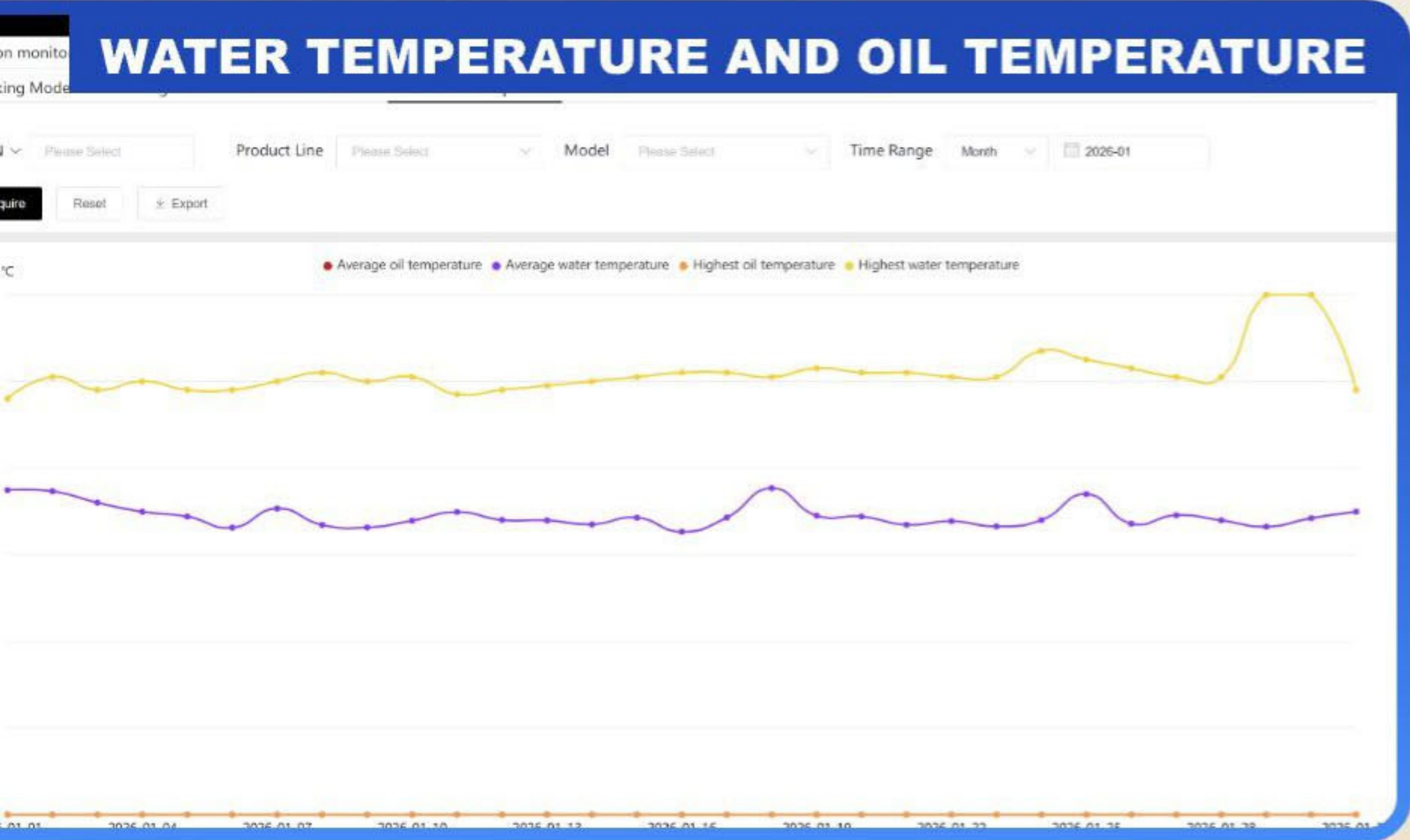
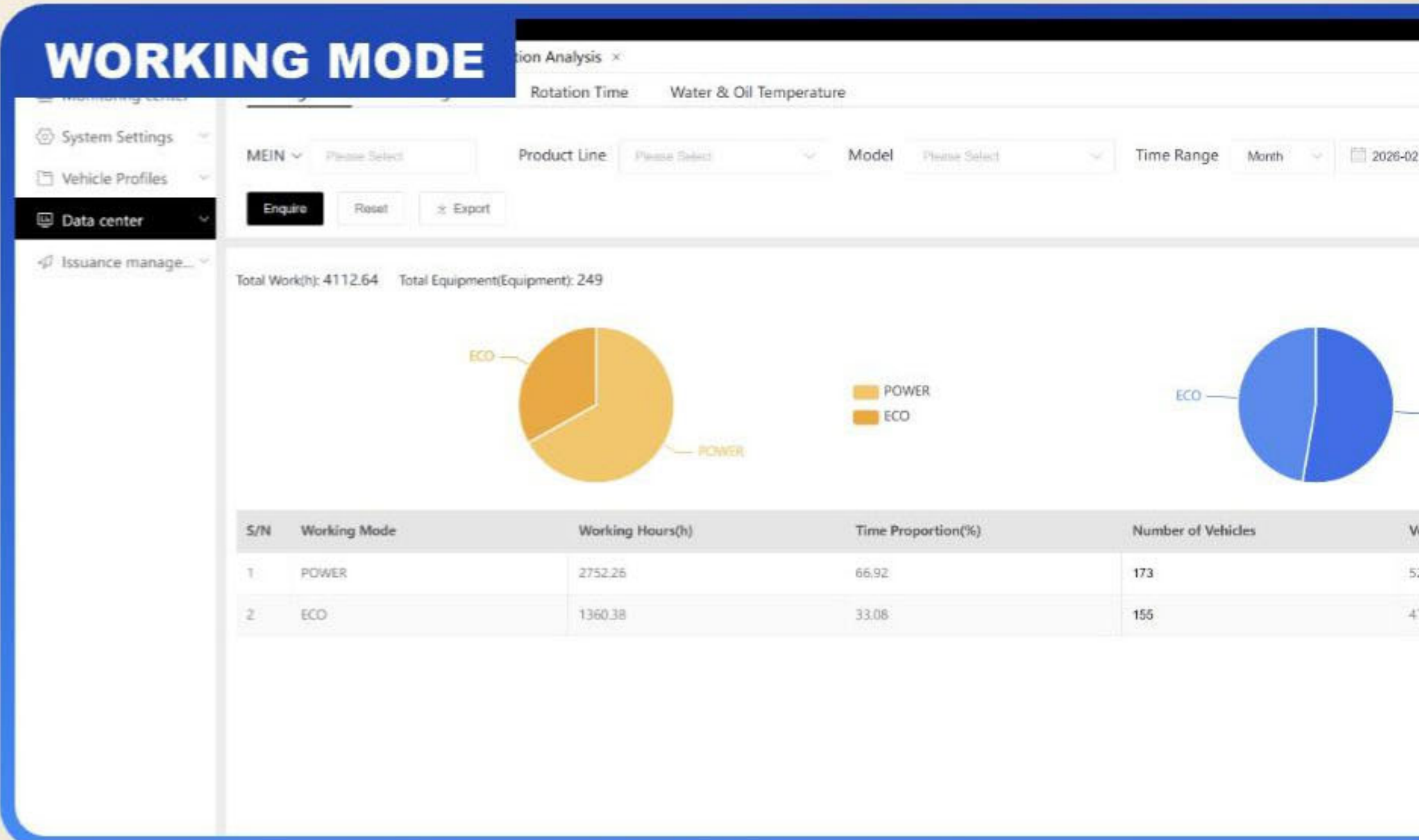
CORE INTELLIGENT MONITORING: SECURITY ALERTS, REAL-TIME DATA & HISTORICAL TRACEABILITY

SET UP ELECTRONIC GEOFENCING TO ENSURE SAFE EQUIPMENT OPERATION, WITH TIMELY ALERTS TRIGGERED UPON CONDITION VIOLATION; MONITOR REAL-TIME OPERATING CONDITIONS AND FAULT INFORMATION OF EQUIPMENT, SUPPORTING HISTORICAL FAULT INQUIRIES; REAL-TIME ACCESS TO EQUIPMENT'S HISTORICAL OPERATING DATA AND TRAJECTORY INFORMATION IS AVAILABLE.



OPERATING CONDITION DATA VISUALIZATION: SCIENTIFIC EQUIPMENT PLANNING & OPERATIONAL EFFICIENCY IMPROVEMENT

AGGREGATE KEY EQUIPMENT OPERATING CONDITION DATA (INCLUDING ACCUMULATED WORKING HOURS, FUEL CONSUMPTION, OPERATING MODES, WATER AND OIL TEMPERATURES, ETC.), GENERATE CLEAR CHARTS TO SUPPORT SCIENTIFIC EQUIPMENT USAGE PLANNING AND IMPROVE OPERATIONAL EFFICIENCY.



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LOVOL

Member of SDHI Group



WEICHAI LOVOL

The Weichai Lovol GPS is a genuine, factory-installed system developed and integrated directly by the manufacturer. It is designed to provide users with seamless monitoring, smart connectivity, and real-time insights into machine performance.

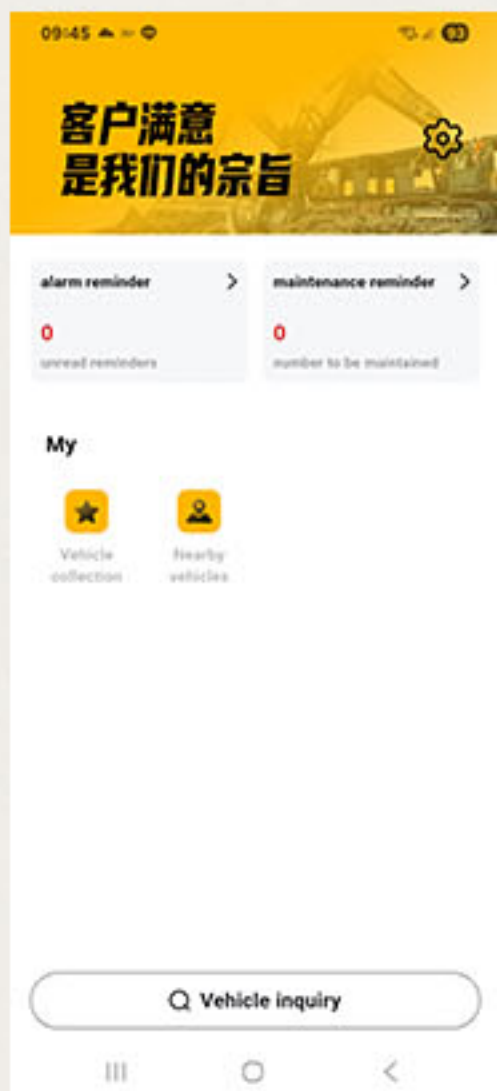


GPS Features

1. **Factory-Installed Original System:** Installed directly on the Weichai Lovol production line to ensure superior reliability and performance.
2. **Cross-Platform Mobile App:** Compatible with both Android and iOS devices for convenient access anytime, anywhere.
3. **User-Friendly Interface:** Simple and intuitive dashboard for effortless operation and quick data viewing.
4. **Comprehensive Machine History Tracking:** Access complete operational records from the first day of use, including:
 - Fuel consumption rate
 - Working hours
 - Travel distance
 - Summary performance reports
5. **Maintenance Reminder Function:** Set reminders for oil changes and maintenance based on operating hours.

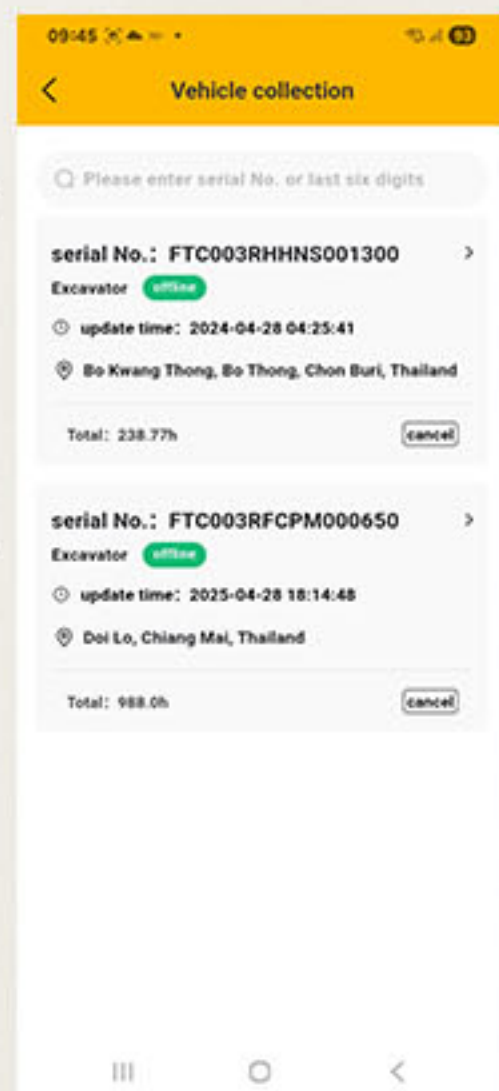
The Weichai Lovol GPS combines innovation and intelligence to help operators monitor, manage, and optimize their machines with confidence and precision.





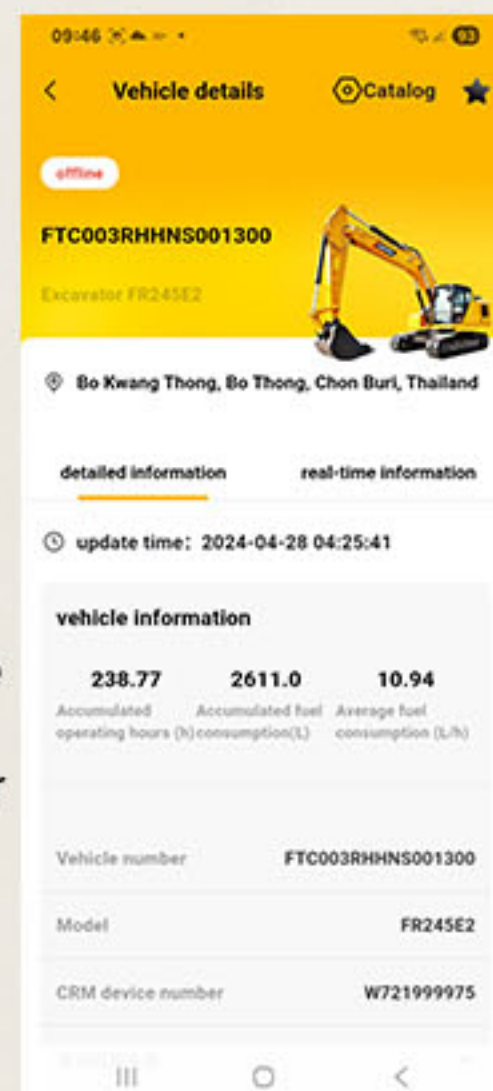
The main GPS dashboard is simple and easy to use.

You can access vehicle search functions and notification settings directly from this screen.



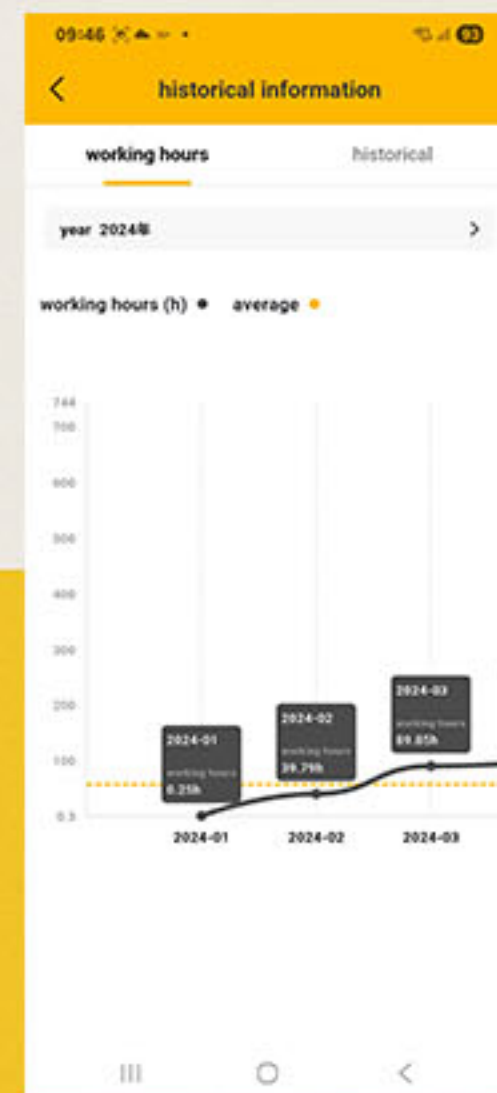
Search Page

You can locate any vehicle equipped with the GPS system simply by entering its Serial Number into the search bar.



Vehicle Information Display

Once you select a vehicle, an overview of its data will appear, including working hours and the most recent location.



Historical Data Access

You can view the vehicle's operation history from the very first time the system was activated.

