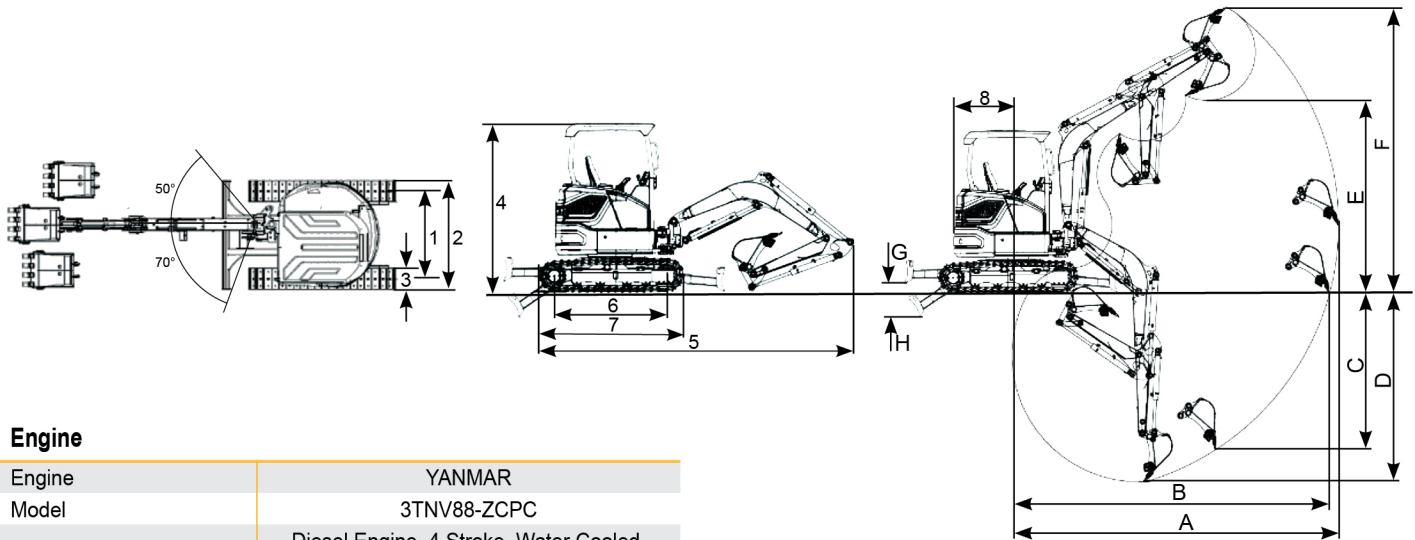


# LOVOL



Engine	YANMAR
Rated Power	22.2kW
Bucket Capacity	0.12 m <sup>3</sup>
Operation Weight	3800kg

Model  
**FR36F-U**  
HYDRAULIC EXCAVATOR



**Engine**

Engine	YANMAR	
Model	3TNV88-ZCPC	
Engine Type	Diesel Engine, 4 Stroke, Water Cooled, Direct Injection	
Number of Cylinder	3	
Engine Power / Speed	22.2kW / 2400rpm	
Engine Torque / Speed	103N·m / 1600rpm	
Displacement	1.642L	
Fuel Tank Capacity	40L	42L

- 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.

**Walking drive**

Type	Hydraulic	
Travel Speed (Max. / Min)	4.2km/h / 2.7km/h	4.5km/h / 2.72km/h
Max. Traction Force	35.1kN	35kN
Gradeability	30°	
Track Number (Each side)	43	
Upper Roller / Lower Roller (Each side)	1 / 4	
Ground Pressure	34.7kPa	
Track Type	Double grouser	
Track Gauge (1)	1400mm	
Shipping Width (2)	1700mm	
Track Width (3)	300mm	
Wheel Tread (6)	1620mm	
Track Length (7)	2080mm	

- The track can be adjustable of tension.
- The left and right track driving independently.
- The drive system features automatic speed control for smooth and efficient operation.

**Hydraulic System**

Hydraulic Pump	Variable flow axial piston pump
Hydraulic Flow	108L/min
Hydraulic Pressure	24.2MPa
Hydraulic oil tank	20L

- Hydraulic safety lock.
- The intelligent hydraulic system provides responsive control of machine movement and digging operations, automatically adjusting power output to match the digging load.

**Electrical System**

Electric system	12V
Battery	12V 55Ah × 1 units

**Working Performance**

Cab Height (4)	2470mm			
Overall Length (5)	4650mm			
Tail Turning Radius (8)	850mm			
Bucket Type	Standard Bucket With Teeth And Side Cutter			
Bucket Capacity (SAE Heaped)	0.12m³			
Bucket Width	520mm			
Bucket Digging Force	30kN			
Arm Digging Force	19kN			
360° Swing Speed	8.4 r/min	9 r/min		
Boom Swing Angle (L/R)	70° / 50°			
Blade Dozer	1700mm × 340 mm	1700mm × 400 mm		
Blade Dozer Lifting Height (G)	395mm			
Blade Dozer Falling Height (H)	425mm			
Arm Type	5.2m	5.25m	5.46m	5.62m
Max. Digging Radius (A)	5200mm	5250mm	5460mm	5620mm
Max. Digging Radius On Ground Level (B)	5150mm	5240mm	5400mm	5520mm
Max. Vertical Digging Depth (C)	2600mm	2725mm	2850mm	2950mm
Max. Digging Depth (D)	2850mm	3100mm	3200mm	3310mm
Max. Unloading Height (E)	3425mm	3500mm	3550mm	3780mm
Max. Digging Height (F)	4840mm	4900mm	5100mm	5180mm

**Cab**

- All weather steel cap with safety glass, ROPS/FOPS cab, safe work, air condition
- Adjustable suspension seat with safety belt is very comfortable
- Wipers, radio, cup holder
- LCD Display screen: 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 Configuration**

<input type="checkbox"/> Hydraulic breaker	<input type="checkbox"/> Hydraulic auger
<input type="checkbox"/> Quick coupler	<input type="checkbox"/> Flail Head
<input type="checkbox"/> Rubber track pad	<input type="checkbox"/> GPS system on computer, smartphone (android, IOS)



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



<https://lovol.hopechart.com/login>

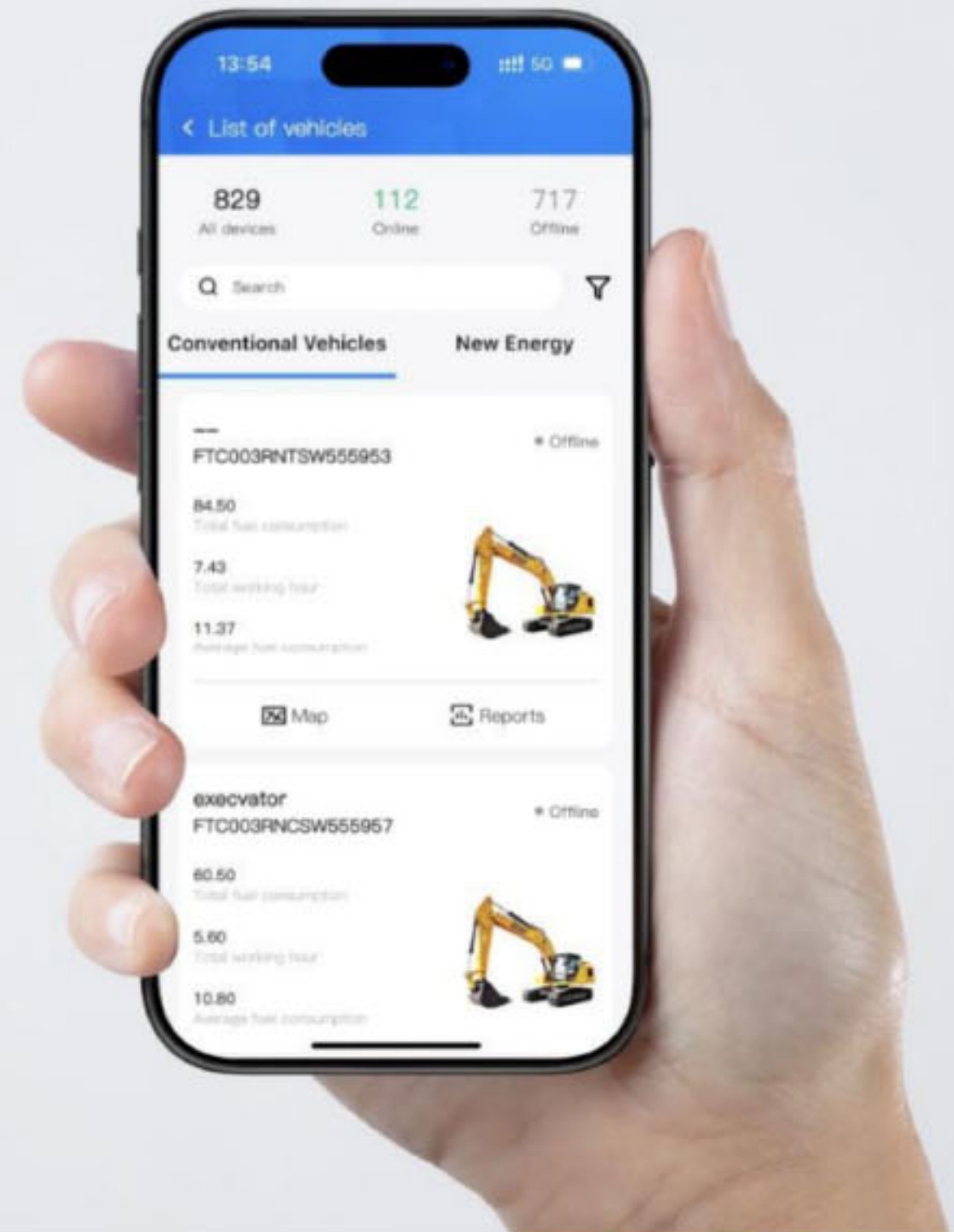


Click the link to open directly



## VEHICLE TERMINAL

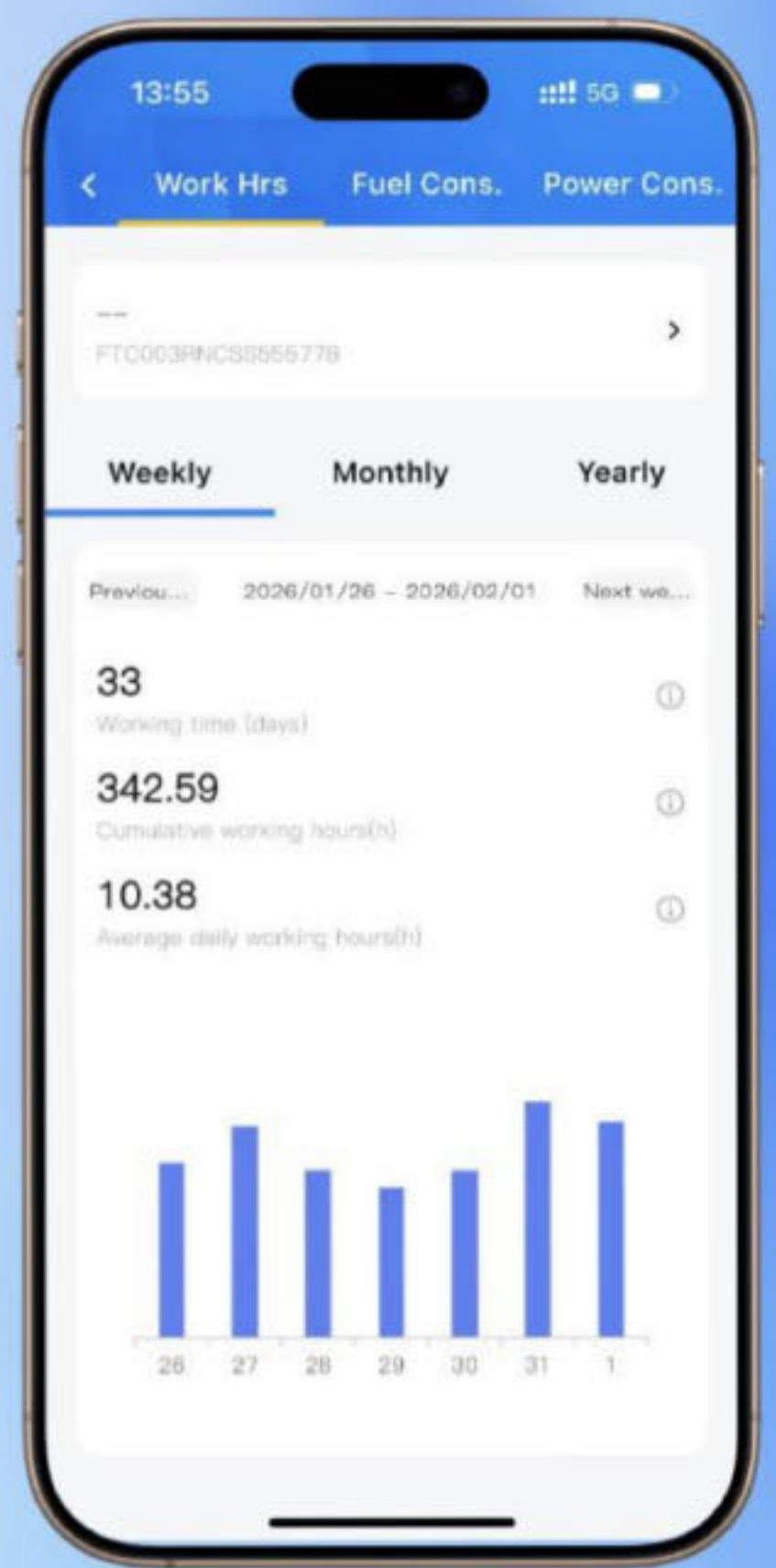
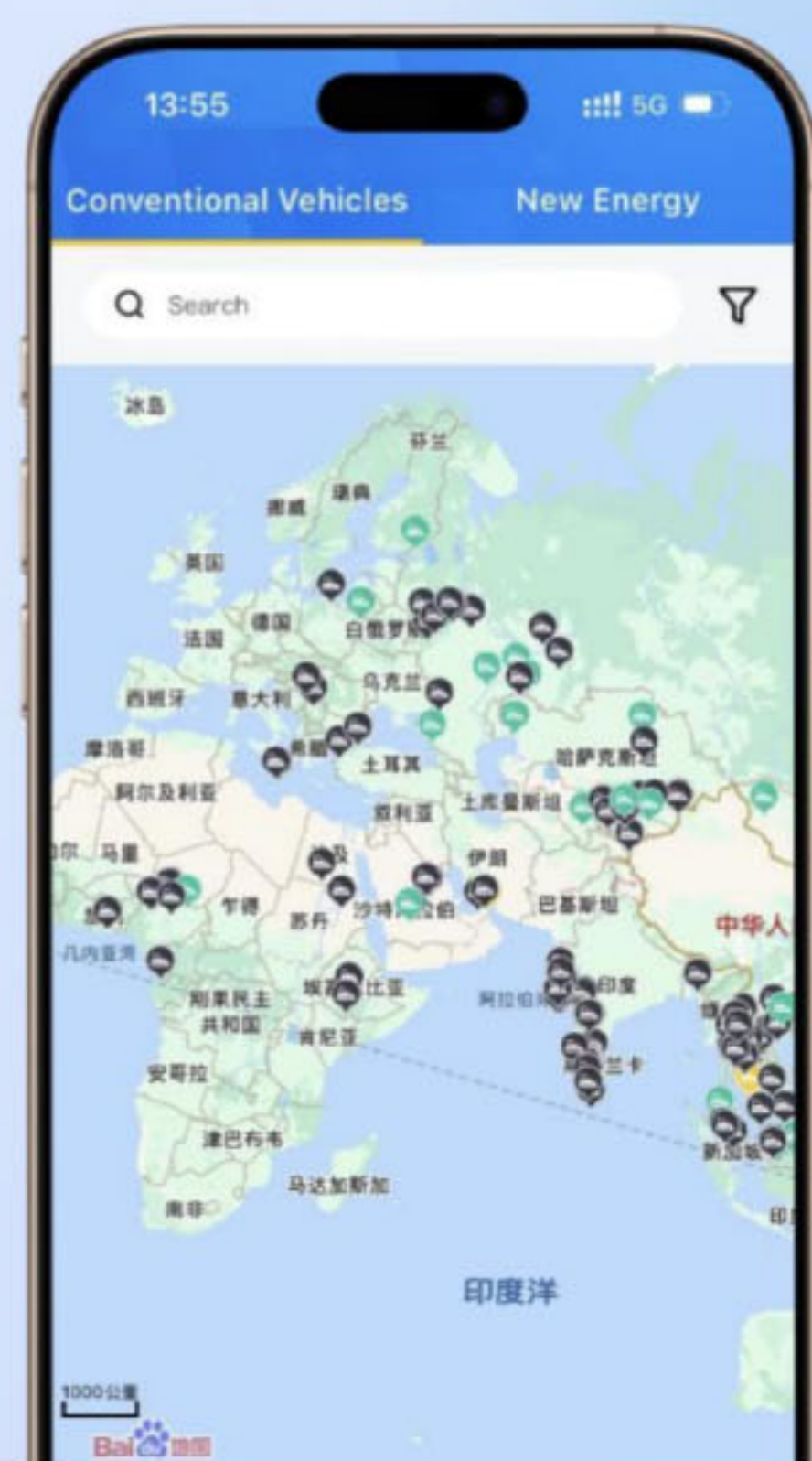
THE VEHICLE IS EQUIPPED WITH TERMINAL  
EQUIPMENT TO OBTAIN VEHICLE BODY DATA



## 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.

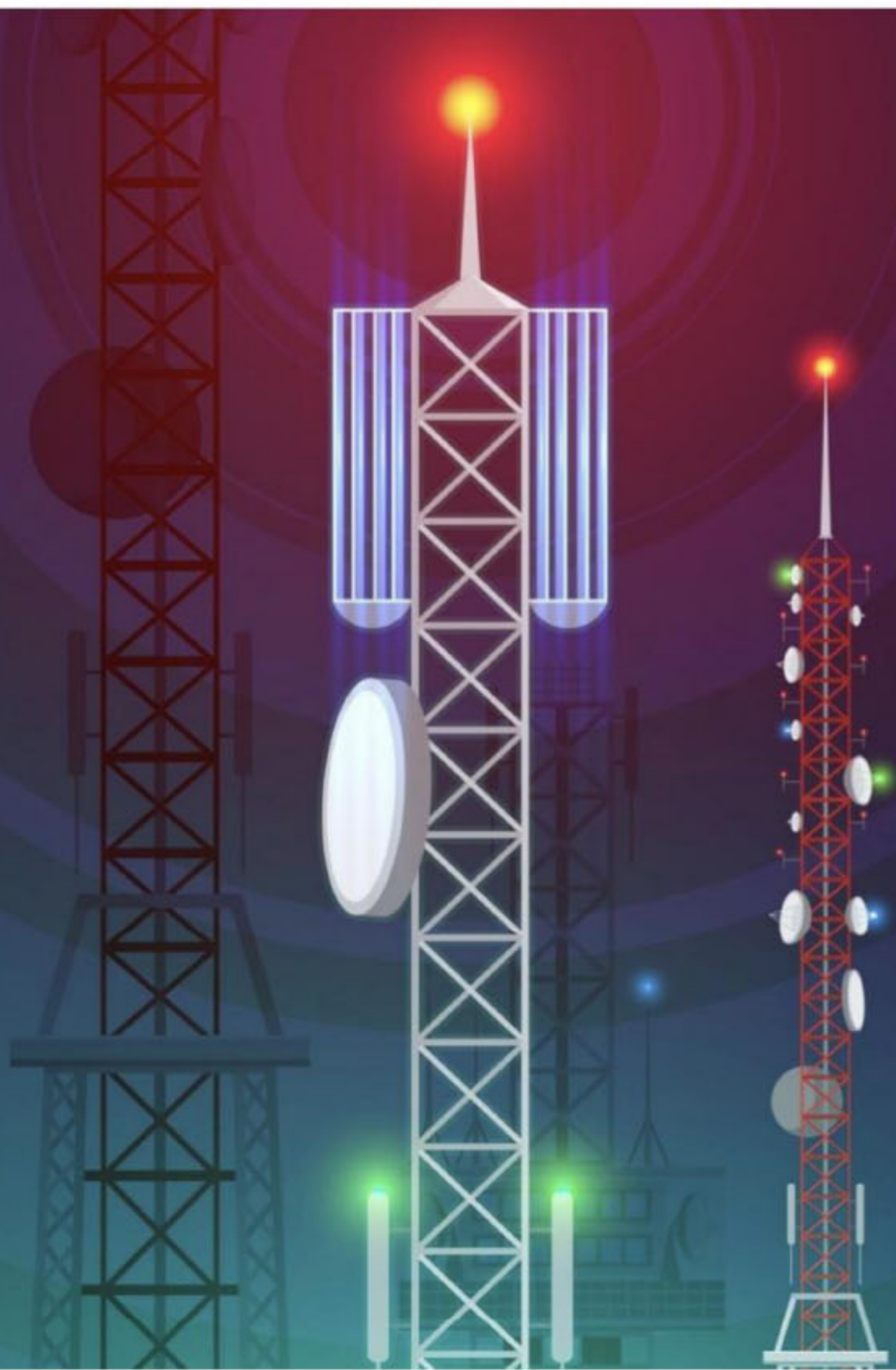
### MAP



### 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

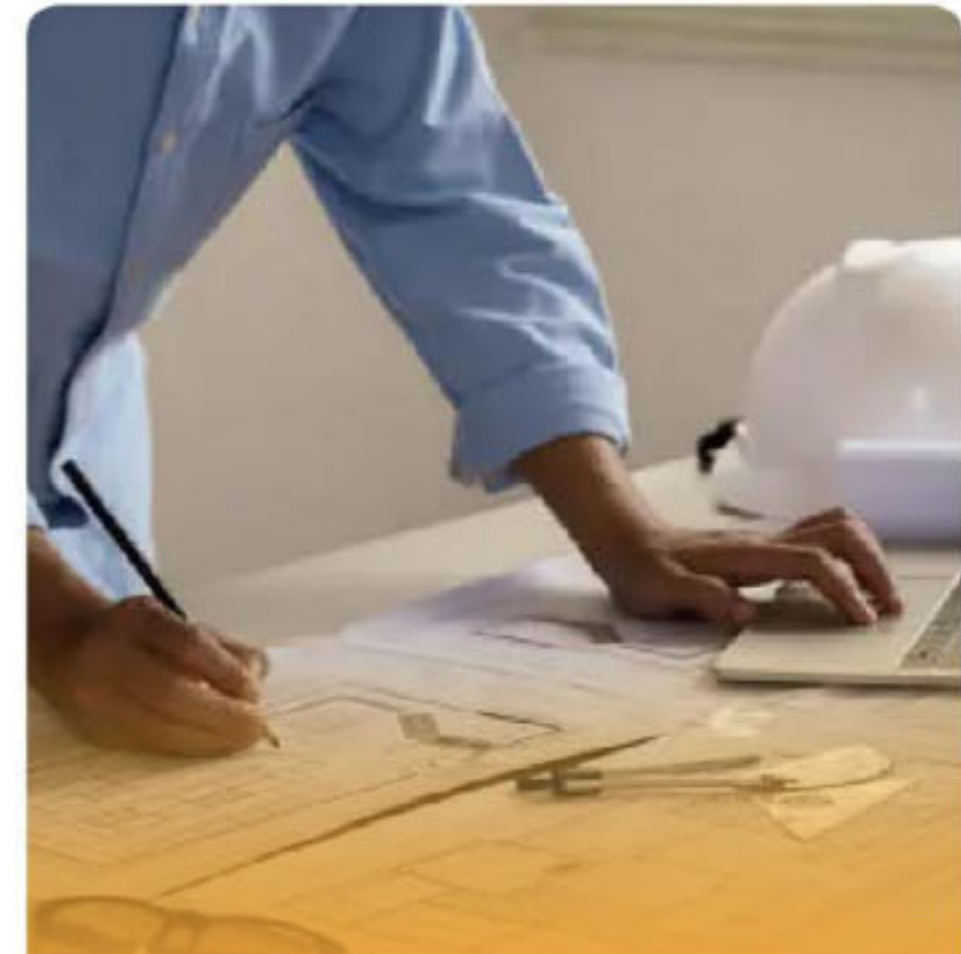
- OBTAIN VEHICLE STATUS THROUGH THE PLATFORM TO PROVIDE CUSTOMERS WITH TIMELY AND EFFECTIVE SERVICES
- SYSTEM MANAGEMENT OF VEHICLES SOLD



### 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

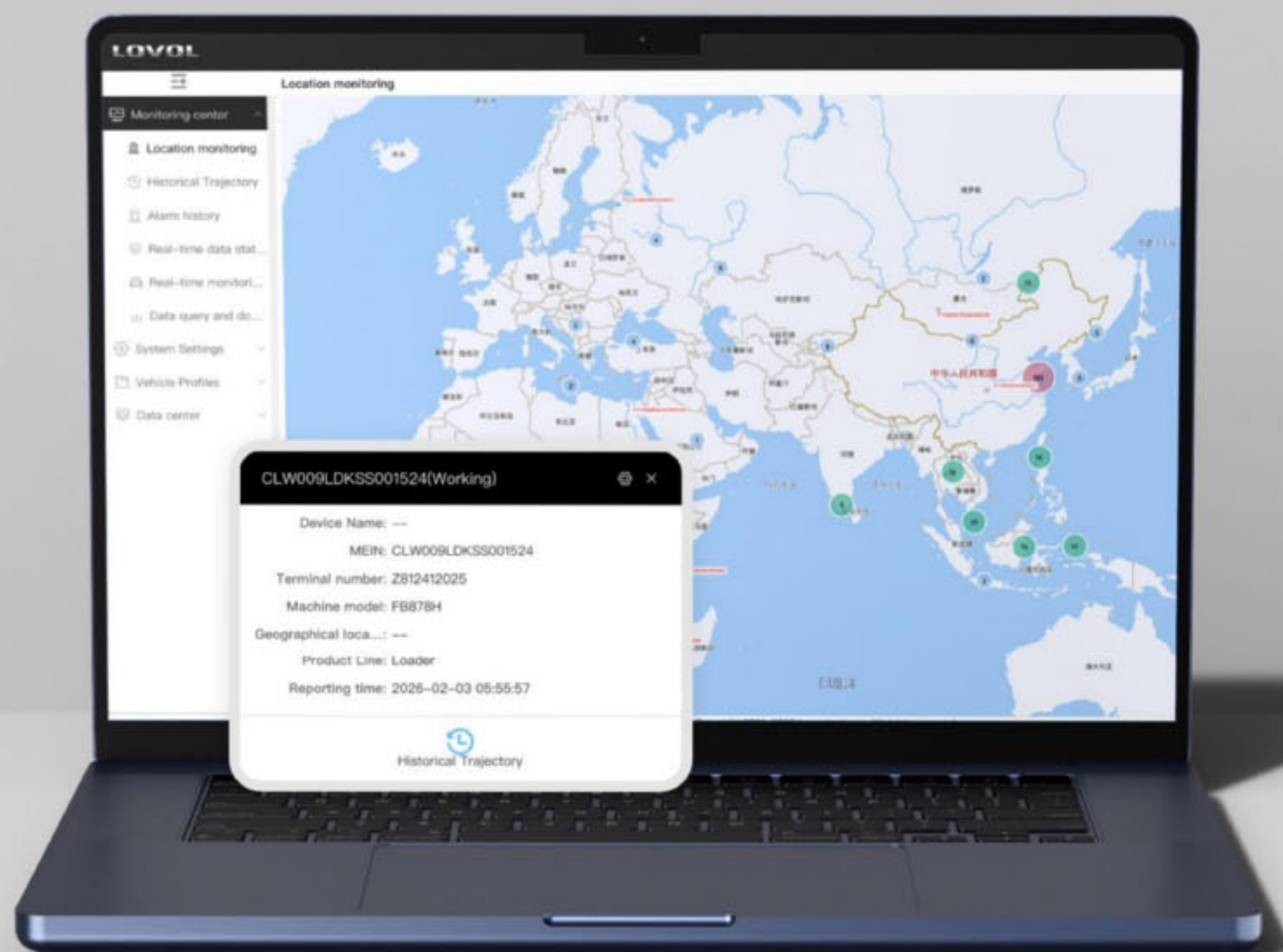
IMPROVE PRODUCT COMPETITIVENESS

- 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.

## HISTORICAL TRAJECTORY

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## ELECTRONIC FENCE

Total 0

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## VEHICLE MALFUNCTION

The 15 equipment are 0

Fault source: 0x41A + 7

Time Range: 2026-02-02 00:00:00 - 2026-02-04 23:59:59

Export

MEIN	Device N	Number of fault	Fault occur	S/N	Device Name	Fault occurrence ti	Fault end time	Fault sourc	Fault cod	Fault details	Longitude	Latitude
FTC003RHATZ...	4	2026-02-02	1	2026-02-02 17:17:...	2026-02-02 17:20:...	0x4D-M	2608	先尊电磁阀...	120.16586	36.078584		
FTC003RHATZ...	3	2026-02-03	2	2026-02-02 17:16:...	2026-02-02 17:17:...	0x4D-M	2608	先尊电磁阀...	120.165641	36.078592		
FTC003RHCTZ...	2	2026-02-02	3	2026-02-02 17:13:...	2026-02-02 17:16:...	0x4D-M	2608	先尊电磁阀...	120.165699	36.07892		
FTC003RHCTZ...	4	2026-02-04	4	2026-02-02 17:10:...	2026-02-02 17:40:...	0x4D-M	2910	TBOX编号匹...	120.165879	36.07872		
FTC003RHCTZ...	12	2026-02-03										
FTC003RHHTZ...	6	2026-02-04										
FTC003RHHTZ...	5	2026-02-03										
FTC003RHJTZ...	2	2026-02-04										
FTC003RHJTZ...	2	2026-02-02										
FTC003RHJTZ...	2	2026-02-03										
FTC003RHKTZ...	5	2026-02-03										
FTC003RHLTZ...	2	2026-02-02										
FTC003RHLTZ...	4	2026-02-04										
FTC003RHLTZ...	13	2026-02-03										

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## ONLINE RATE REPORT

Working hour report Fuel Consumption Report Online Rate Statistics

Organization Name: LOVOL

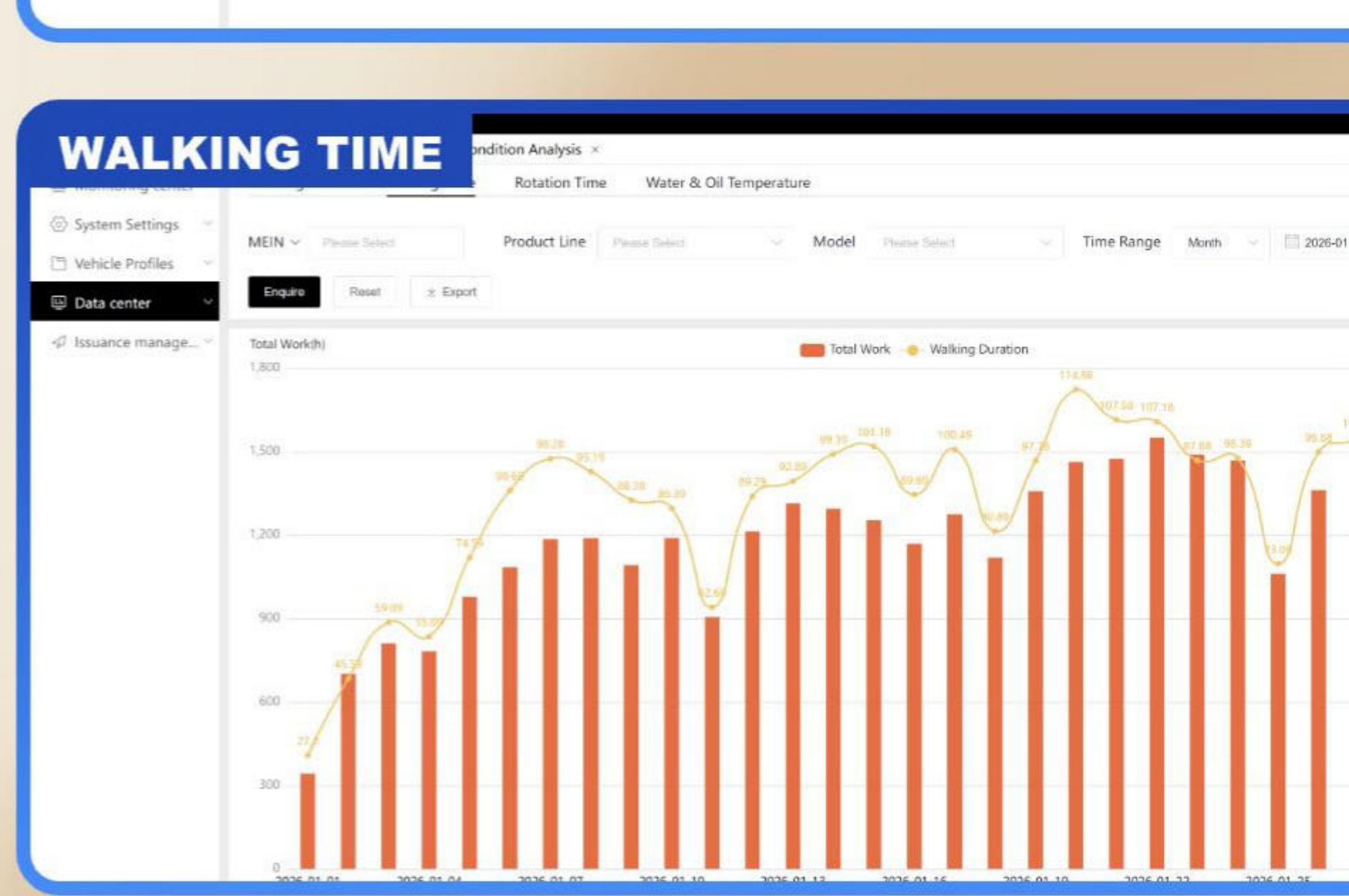
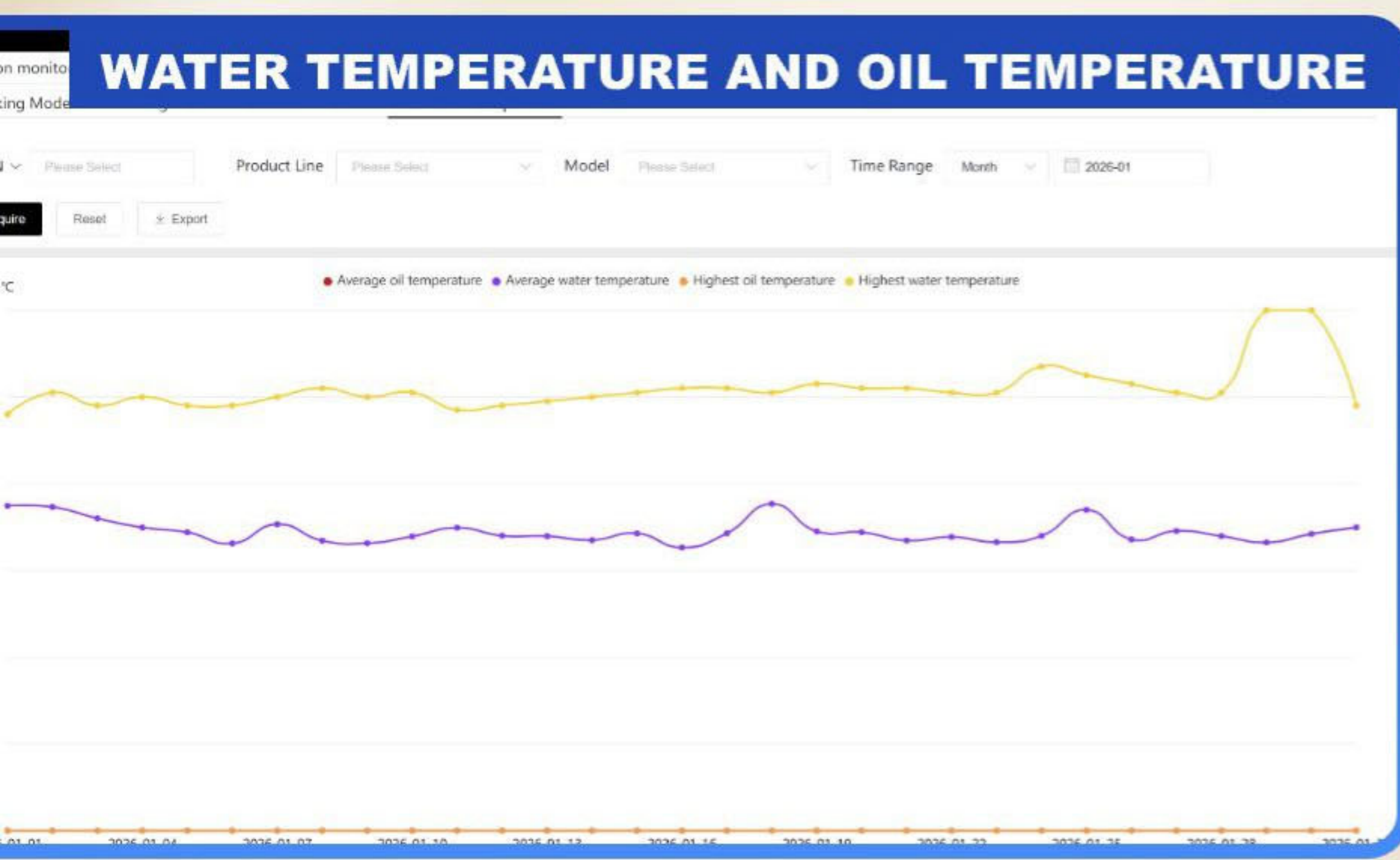
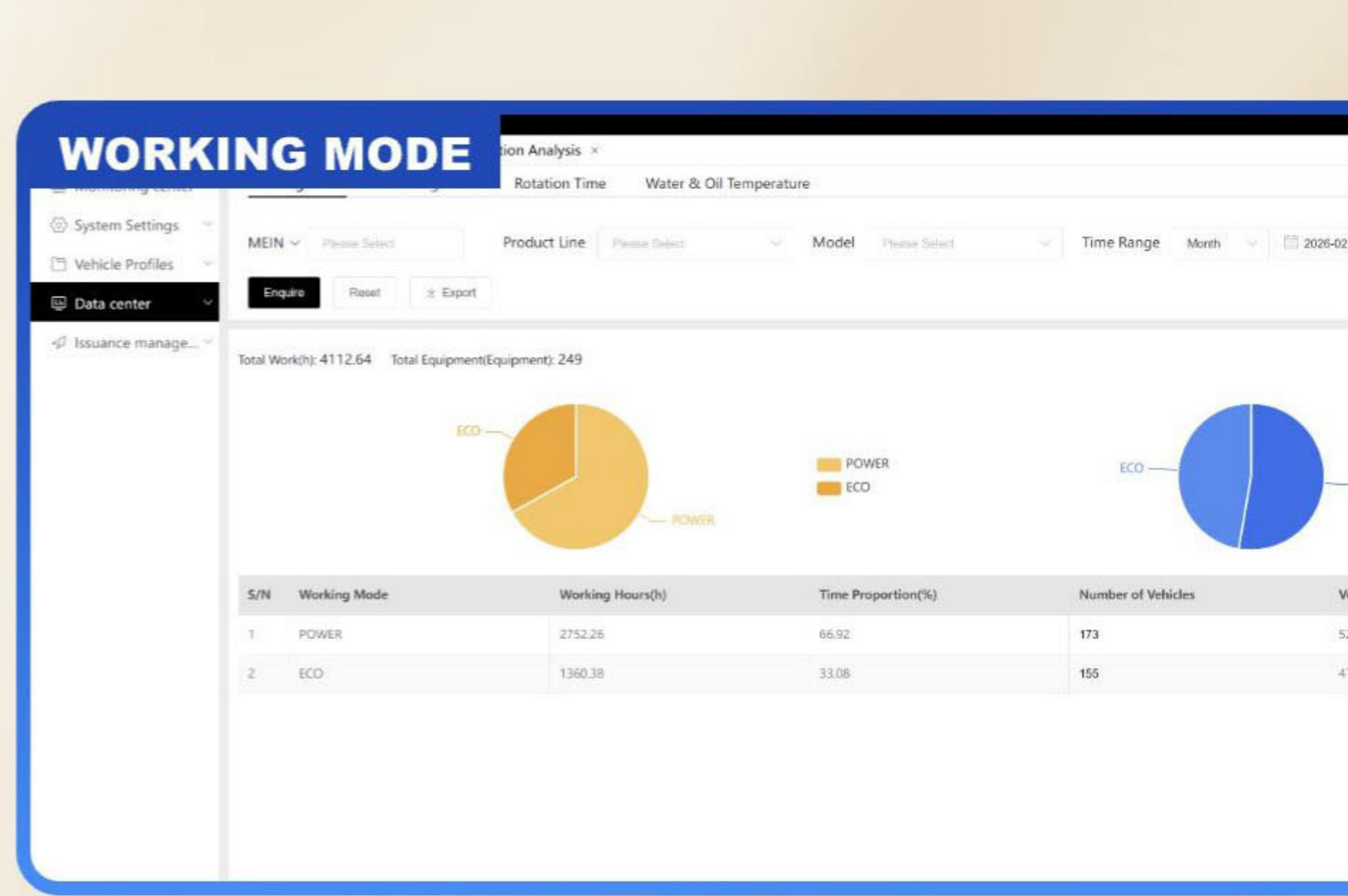
S/N	Organization Name	Number of Online Vehicles	Number of Vehicles Connected to the Network	Online Rate
1	LOVOL	107	809	12.75%
2	系统测试车	1	2	50.00%
3	泰国Thailand	1	18	5.56%
4	印尼Indonesia	25	79	31.65%
5	沙特阿拉伯KingdomofSaudiArabia	1	3	33.33%
6	俄罗斯Russia	4	34	11.76%
7	巴西Brazil	0	1	0.00%
8	菲律宾Philippines	6	17	35.29%
9	马来西亚Malaysia	28	65	43.08%
10	利比亚Libya	3	18	16.75%
11	Tropic Agro-Chem	0	12	0.00%
12	CF COMERCIO INTERNACIONAL LTDA	0	1	0.00%
13	马达加斯加Madagascar	0	0	0.00%
14	马尔代夫Maldives	0	2	0.00%

Total 177 15page

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# 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.



<https://lovol.hopechart.com/login>

**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.

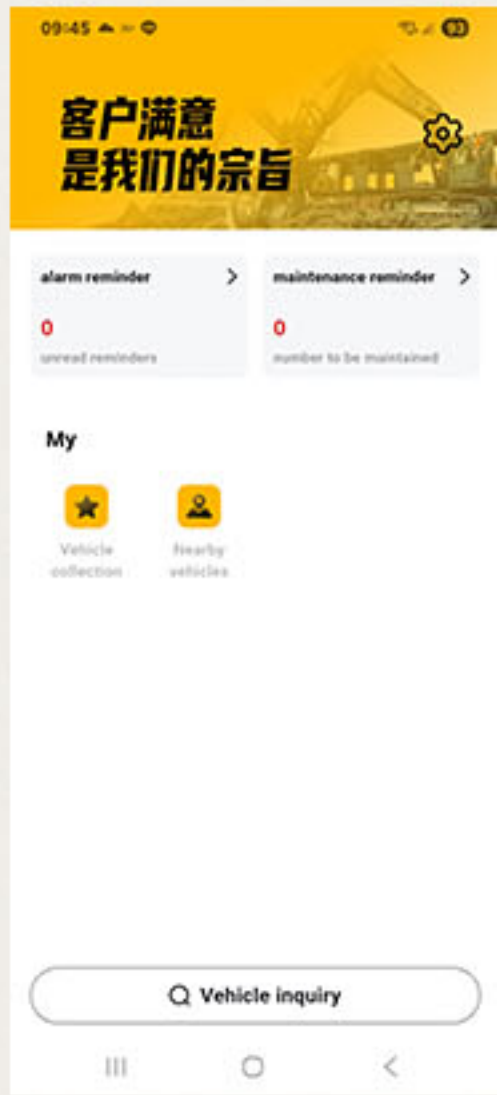


## GPS Features

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.

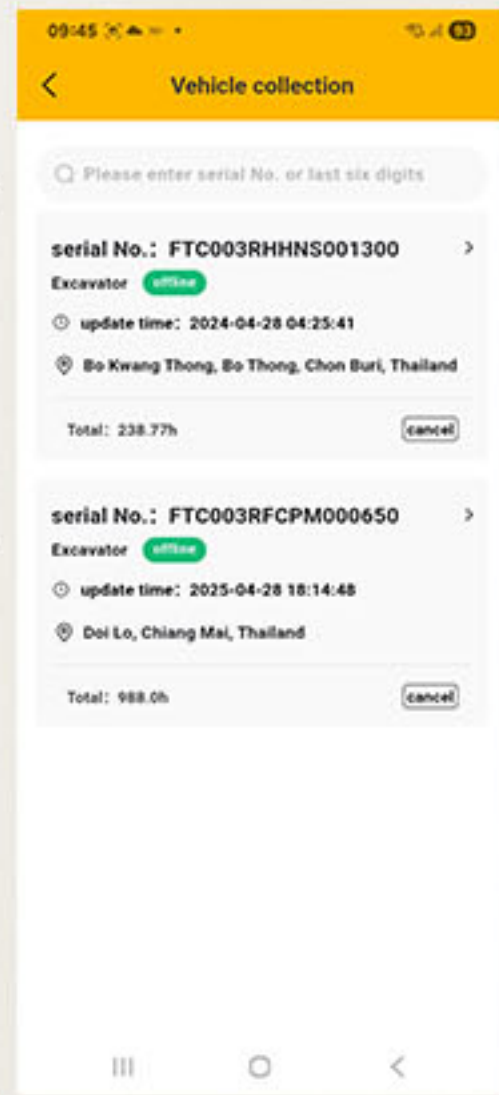
**The Weichai Lovol GPS combines innovation and intelligence to help operators monitor, manage, and optimize their machines with confidence and precision.**





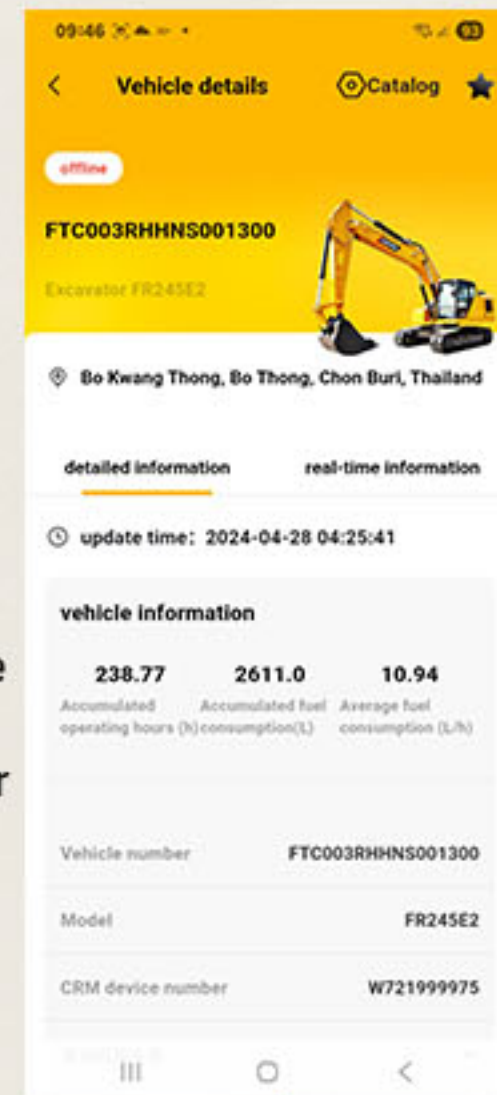
**The main GPS dashboard is simple and easy to use.**

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



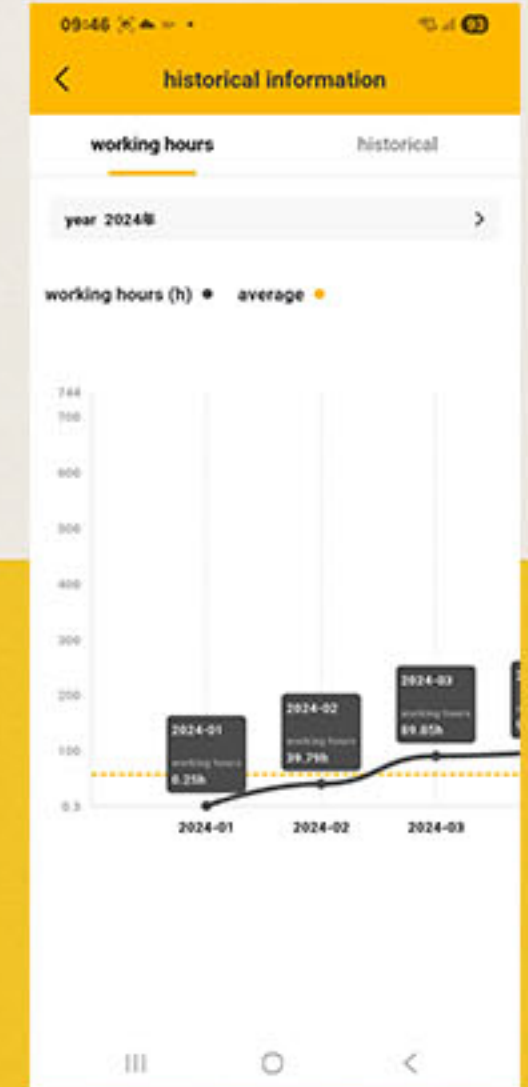
## Search Page

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.

