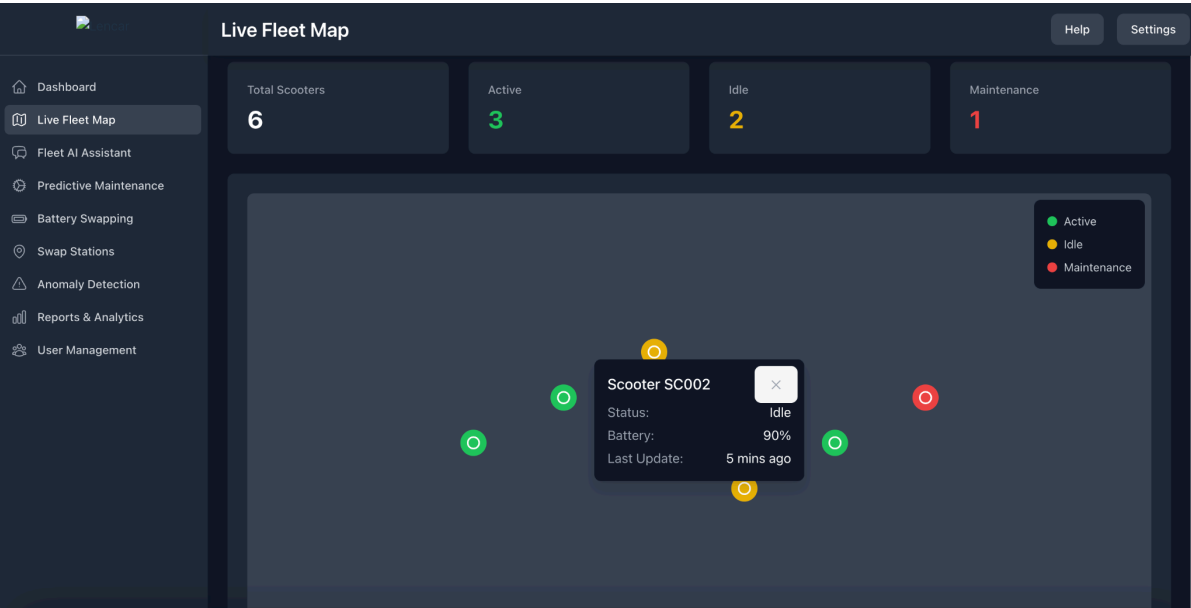# SL Mobility – Smart Telematics for Electric Scooters

AI-powered, hyper-connected, fleet-intelligent mobility.
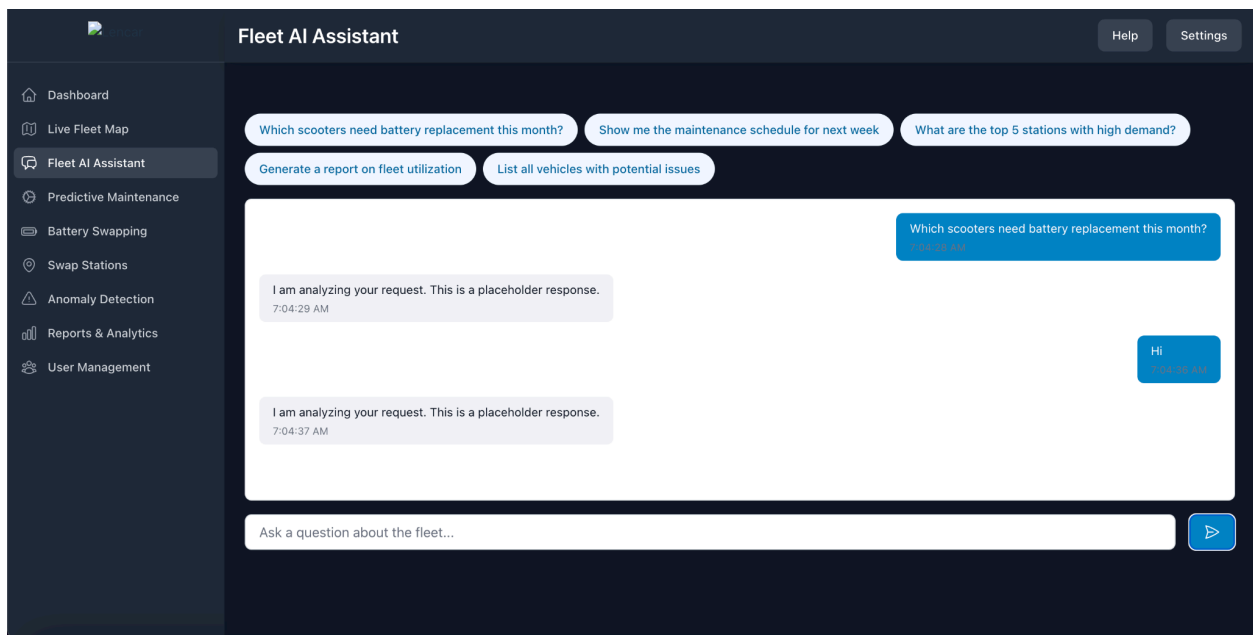
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1. Dashboard - Live Fleet Map

- Real-time map with filters: idle, charging, riding, issue flagged
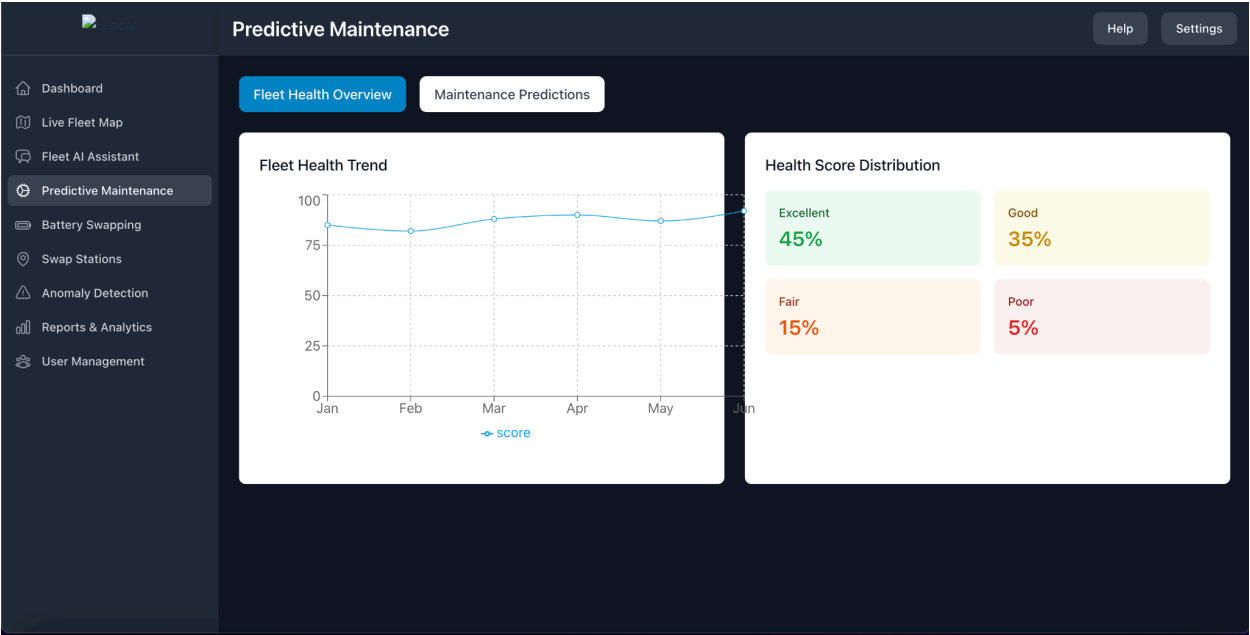- Centralized visibility, geofencing, battery logistics

2. Fleet AI Assistant (LLM + Agentic AI)

- Ask:
  - Which scooters need battery replacement this month?
  - What does **Error Code E3** mean ?
- Actions: Set alerts, create reports, rebalance suggestions
- Democratizes data access, reduces manual ops

3. Predictive Maintenance Engine

Predictive Maintenance

| | Help | Settings |

Fleet Health Overview | Maintenance Predictions

Fleet Health Trend

score

Health Score Distribution

Excellent	Good
45%	**35%**

Fair	Poor
15%	**5%**

Dashboard
Live Fleet Map
Fleet AI Assistant
Predictive Maintenance
Battery Swapping
Swap Stations
Anomaly Detection
Reports & Analytics
User Management

Predictive Maintenance

| | Help | Settings |

Fleet Health Overview | **Maintenance Predictions**

Maintenance Predictions

VEHICLE ID	MODEL	NEXT MAINTENANCE	BATTERY HEALTH	MOTOR HEALTH	OVERALL HEALTH	PREDICTED ISSUES
SC001	Scooter Pro X1	2024-04-15	78%	92%	85%	Battery replacement needed in 2 weeks
SC002	Scooter Pro X1	2024-04-20	82%	88%	85%	Regular maintenance due

Dashboard
Live Fleet Map
Fleet AI Assistant
Predictive Maintenance
Battery Swapping
Swap Stations
Anomaly Detection
Reports & Analytics
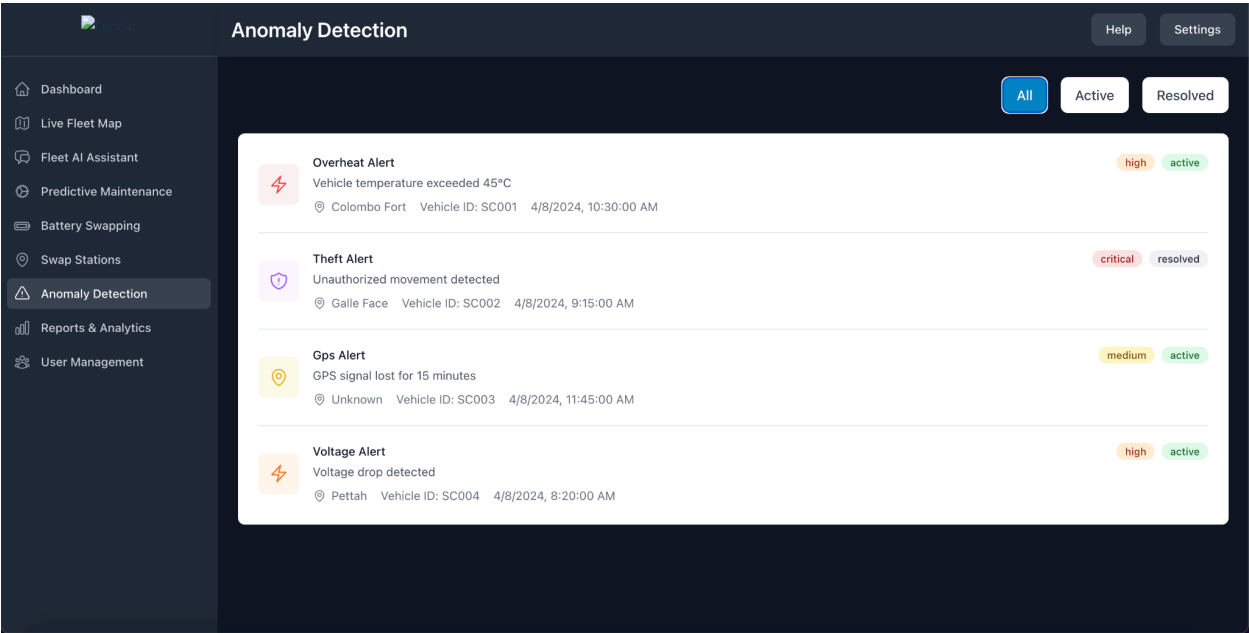User Management

4. Battery Swapping Intelligence

- Hourly/daily/seasonal demand heatmap
- Live demand forecast (e.g., 2.7 batteries/hr at Station A)
- Battery stock prediction + distribution model
- Prevents battery shortages, load balances stations

Battery Swapping

Help Settings

- Dashboard
- Live Fleet Map
- Fleet AI Assistant
- Predictive Maintenance
- **Battery Swapping**
- Swap Stations
- Anomaly Detection
- Reports & Analytics
- User Management

Station Status   Demand Forecast

Station Demand Overview

■ Current Demand ■ Predicted Demand

Station Details

STATION	CURRENT DEMAND	PREDICTED DEMAND	CAPACITY	STATUS
Station A	15	18	30	Good
Station B	22	25	30	Moderate
Station C	8	12	30	Good
Station D	19	22	30	Moderate
Station E	12	15	30	Good

Battery Swapping

- Dashboard
- Live Fleet Map
- Fleet AI Assistant
- Predictive Maintenance
- **Battery Swapping**
- Swap Stations
- Anomaly Detection
- Reports & Analytics
- User Management

Station Status   Demand Forecast

Hourly Demand Forecast

■ Battery Demand

5. Anomaly & Event Detection

- OverheatGPS loss, voltage drops

6. Sustainability Dashboard

7. User & Subscription Management

- Create roles, assign permissions, user-level histories
- Handle customer queries and report logs
- Integrated support + administration