

## Transforming Fleet Management with Cutting-Edge IoT Solutions

### ClimaRunners: Revolutionizing Electric Refrigerated & Freezer Truck Management

ClimaRunners is redefining the electric refrigerated and freezer truck industry with advanced IoT-powered solutions and state-of-the-art vehicle monitoring technology. Our innovative approach enhances operational efficiency, ensures reliability, and promotes sustainability in fleet management and vehicle tracking.

### About Limitless Mobility Solutions:

At Limitless Mobility Solutions, we are shaping the future of transportation with groundbreaking IoT-based technologies. Our solutions provide real-time monitoring, data-driven analytics, and seamless integration, ensuring your fleet operates at peak efficiency—scalably and sustainably.



# Challenges in Refrigerated & Freezer Truck Monitoring

Electric refrigerated and freezer trucks play a crucial role in various industries, but they present unique challenges:



## REAL-TIME MONITORING

◀ Gaining live updates on vehicle status, environmental conditions, and performance can be difficult.



## DATA-DRIVEN ANALYTICS

◀ Lack of insights into historical data hampers proactive fleet management and maintenance.



## COMPLEX INTERFACES

◀ Complicated systems and fragmented features make efficient fleet management more challenging.





# The ClimaRunners Solution: Smart, Integrated Vehicle Monitoring for Maximum Efficiency

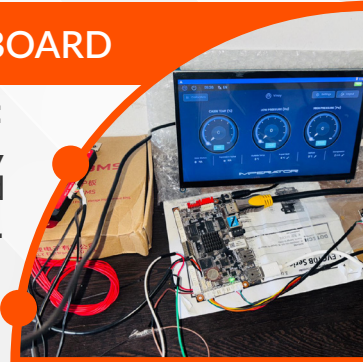
**ClimaRunners** offers a fully integrated platform specifically designed to overcome these challenges in fleet management. By simplifying vehicle monitoring and streamlining operations, our solution enhances real-time tracking, improves efficiency, and ensures optimal performance across your entire fleet.

## Key Features of ClimaRunners' Enhanced Vehicle Monitoring App

### REAL-TIME DASHBOARD

Displays essential parameters: **Temperature, Super Heat, Defrost Limit, Pressure, and Expansion Valve** settings.

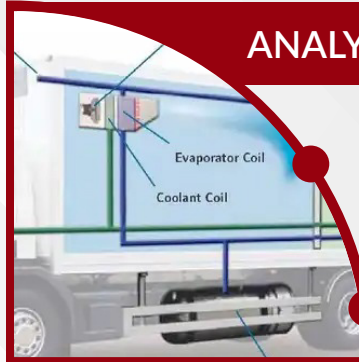
Easy-to-understand icons and color-coded indicators for quick insights.



### ANALYTICS & ALERTS

Access historical trends and performance metrics.

Instant alerts for abnormal conditions like temperature spikes or pressure drops.



### RESTRICTED SETTINGS FOR AUTHORIZED USERS

Custom thresholds and parameter modifications.

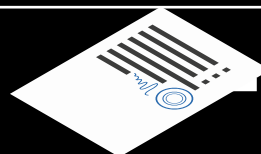
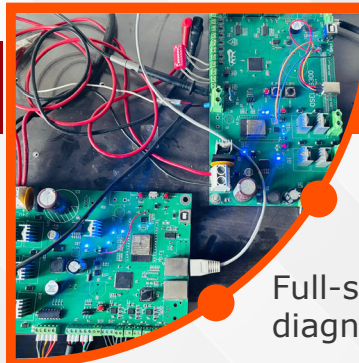
Detailed logs for audit and compliance purposes.



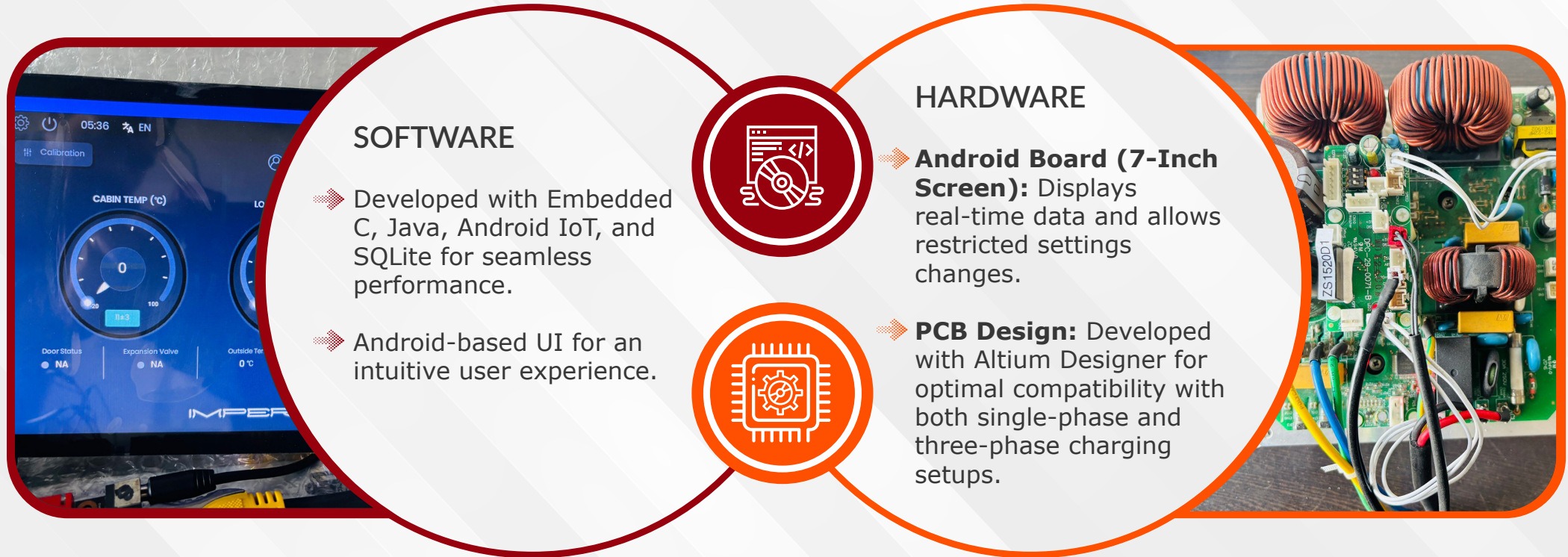
### COMPREHENSIVE SERVICE MENU

Accessible through Basic and Advanced levels, secured by access codes.

Full-service history for diagnostics and troubleshooting.



# The Technology Powering ClimaRunners:



## How ClimaRunners Works?

A seamless, integrated system designed for enhanced fleet performance:

- **Portal Integration:** Classify users into four distinct categories: Basic Setting, Service Level Setting, Technical Level Setting, and Admin Level Setting. Assign unique identifiers to trucks and set up screens with pre-configured parameters.

- **User Interface:** Role-based access determines user permissions for adjusting parameters. Permitted options are displayed based on access levels.



### Screens Configuration:

- Cabin temperature
- Low Pressure/High Pressure parameters
- Status of
  - ▶ Doors
  - ▶ Expansion valve
- Outside temperature
- Super Heat degree
- Defrost degree



# Additional Features of ClimaRunners

*Designed for Safety, Scalability, and Future-Readiness*



## SAFETY & COMPLIANCE

Adheres to ARAI standards ensuring safety, quality, and performance for reliable operations.

## SEAMLESS INTEGRATION

Compatible with various electric vehicle types and existing fleet infrastructure.



## SCALABILITY & FUTURE READINESS

Future-proof and modular, allowing for simple upgrades and integrations with emerging technologies.

## REGULATORY COMPLIANCE

Fully aligned with industry regulations to guarantee compliance across the board.



## ClimaRunners: The Smart Solution for Fleet Management

Overcomes common challenges in electric fleet operations. Redefining electric truck monitoring with a focus on sustainability, ClimaRunners incorporates innovative features like:

**Real-Time Data:** Instant updates on availability, and usage.

**Smart Controllers:** Remote monitoring and intelligent management for enhanced fleet operations.

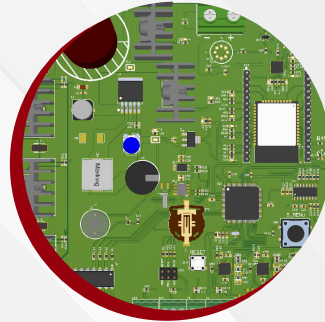
# Hardware Devices for ClimaRunners

## Technology:

**PCB Design:** Crafted using Altium Designer for superior precision, reliability, and durability.

**Android Board (7-Inch Screen):**

**User Start Board:**



- Displays key parameters at a glance, with no immediate modification options.
- Log in to access personalized settings based on user access level.
- Modification options are displayed for authorized users.

## Installation Flow for ClimaRunners:

**Portal:** Seamlessly register users into defined access categories.

**Screen Configuration:** Effortlessly map screens to vehicles (e.g., trucks) using unique ID numbers, then configure their parameters.

**Trucks:** Map vehicle types (e.g., Truck, Van) with their specific parameters.

**User Start Board:** Provides real-time updates and controlled access to modify key settings.



## Comprehensive EV Charging Solutions:

ClimaRunners provides a robust EV charging system compatible with electric two-wheelers, three-wheelers, and four-wheelers, supporting both single-phase and three-phase setups. Key features include:

**Real-Time Parameters:** Monitor critical data like door settings, defrost status and fan operation.

**Battery Management System (BMS):** Comprehensive tracking of battery health and energy management.



## Why Choose ClimaRunners?

**Real-Time Insights:** Get instant updates on vehicle and environmental conditions for better decision-making.

**Enhanced Analytics:** Unlock powerful insights to optimize performance and reduce costs.

**Reliable Hardware:** Built with robust, high-quality components designed to withstand the toughest conditions.

**Customizable Solutions:** Tailored to meet your unique operational needs and challenges.

**Sustainability Focus:** Support green initiatives with eco-friendly fleet management. and reduce your environmental footprint.





# Drive the Future of Vehicle Monitoring with ClimaRunners

ClimaRunners' Enhanced Vehicle Monitoring App is the game-changing solution for managing electric refrigerated and freezer trucks. By combining IoT innovation with user-centric design, we solve the industry's toughest challenges, paving the way for a sustainable future.

**Ready to drive the change?**  
*Let ClimaRunners help you power  
the future of transportation.*



Signature Tower First Floor, Plot No 3 Sector, Knowledge Park III, Greater Noida, Uttar Pradesh 201308



[contact@limitlessmobil.com](mailto:contact@limitlessmobil.com)



[www.limitlessmobil.com](http://www.limitlessmobil.com)



+91 63906 65408

