



Emergency mobility Reimagined.

Intelligent Emergency Vehicle Priority System

A CONNECTED ECOSYSTEM FOR EMERGENCY MOBILITY

Every **second** matters.

Urban intersections shouldn't stand
between an emergency vehicle and its
destination.



INTRODUCING

PRIORITY ONE

An intelligent ecosystem designed to give emergency vehicles priority when every second matters.

EVU • RDU • ICU • DASHBOARD • ERC



Five systems. One coordinated response.

From the emergency vehicle to the intersection,
Priority One connects the critical points of emergency movement into one coordinated ecosystem.



EVU

Emergency
Vehicle Unit

RDU

Roadside
Detection Unit

ICU

Intersection
Control Unit

DASHBOARD

Central
Monitoring

ERC

Emergency Response
Controller

EVU

Emergency Vehicle Unit

"The vehicle-side gateway to Priority One."

Installed within the emergency vehicle, the EVU initiates its connection to the Priority One ecosystem during an active response, enabling the vehicle's movement to be recognized and prioritized across the emergency route.



EVU

RDU

ICU

DASHBOARD

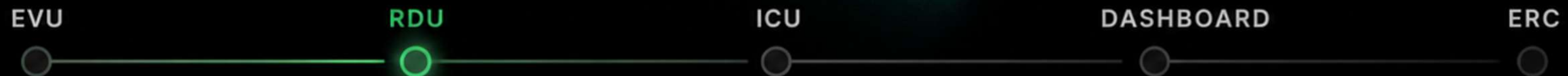
ERC

RDU

Roadside Detection Unit

“Roadside awareness for approaching emergency movement.”

Positioned within the roadside environment, the RDU provides Priority One with an additional point of awareness for approaching emergency vehicles, supporting coordinated priority as they move toward the intersection.

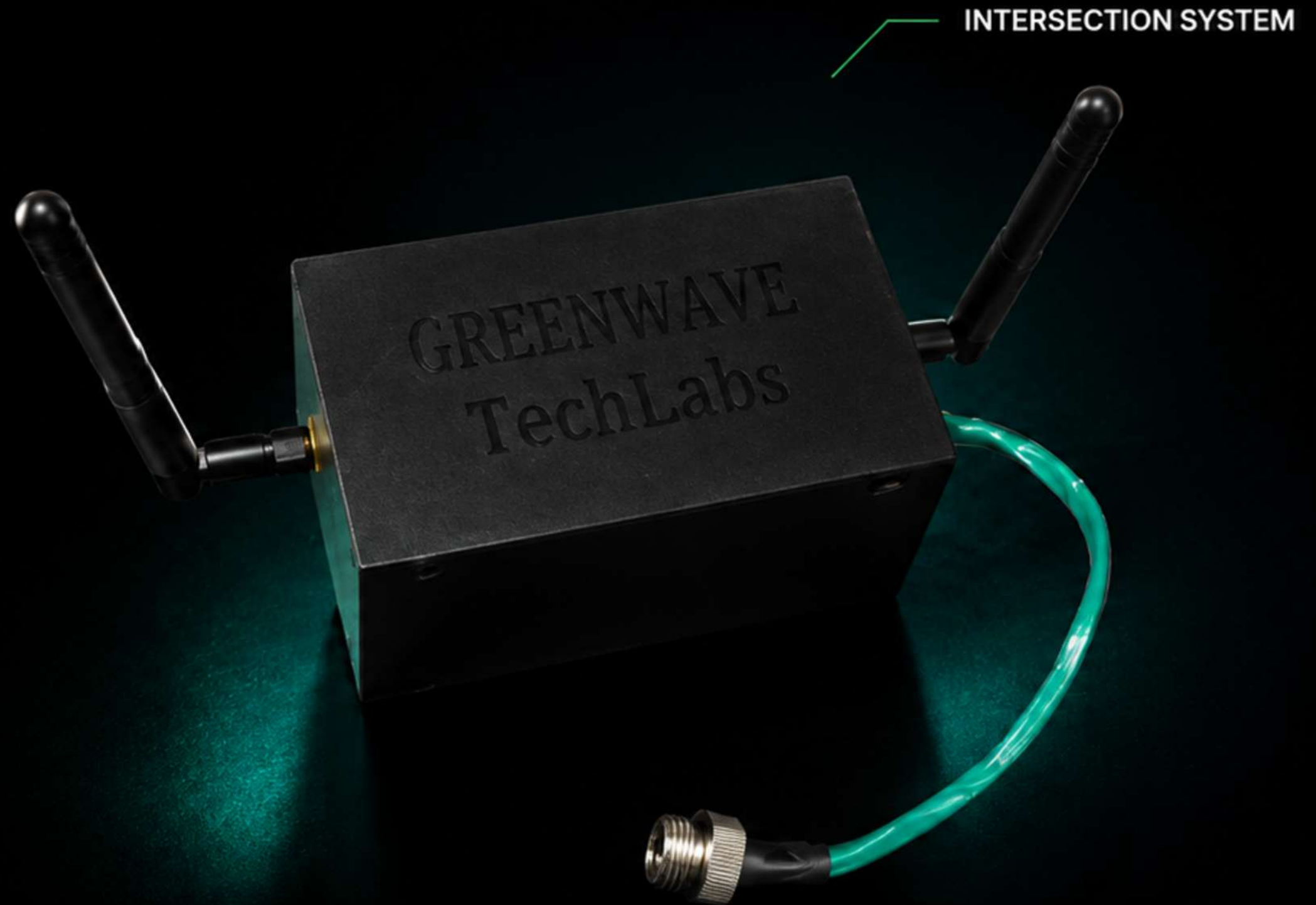


ICU

Intersection Control Unit

**"Intelligent control at the intersection.
Seamless priority in action."**

Installed at the intersection, the ICU acts on validated Priority One signals to manage traffic flow and ensure a clear, uninterrupted path for emergency vehicles while maintaining overall traffic stability



EVU

RDU

ICU

DASHBOARD

ERC

DASHBOARD

Central Monitoring

"Real-time visibility. Smarter coordination.
Every intersection. One view."

The Priority One Dashboard provides real-time situational awareness and centralized oversight of all active intersections, enabling operators to monitor emergency movement, system health and response status across the network.

CENTRAL MONITORING SYSTEM



EVU

RDU

ICU

DASHBOARD

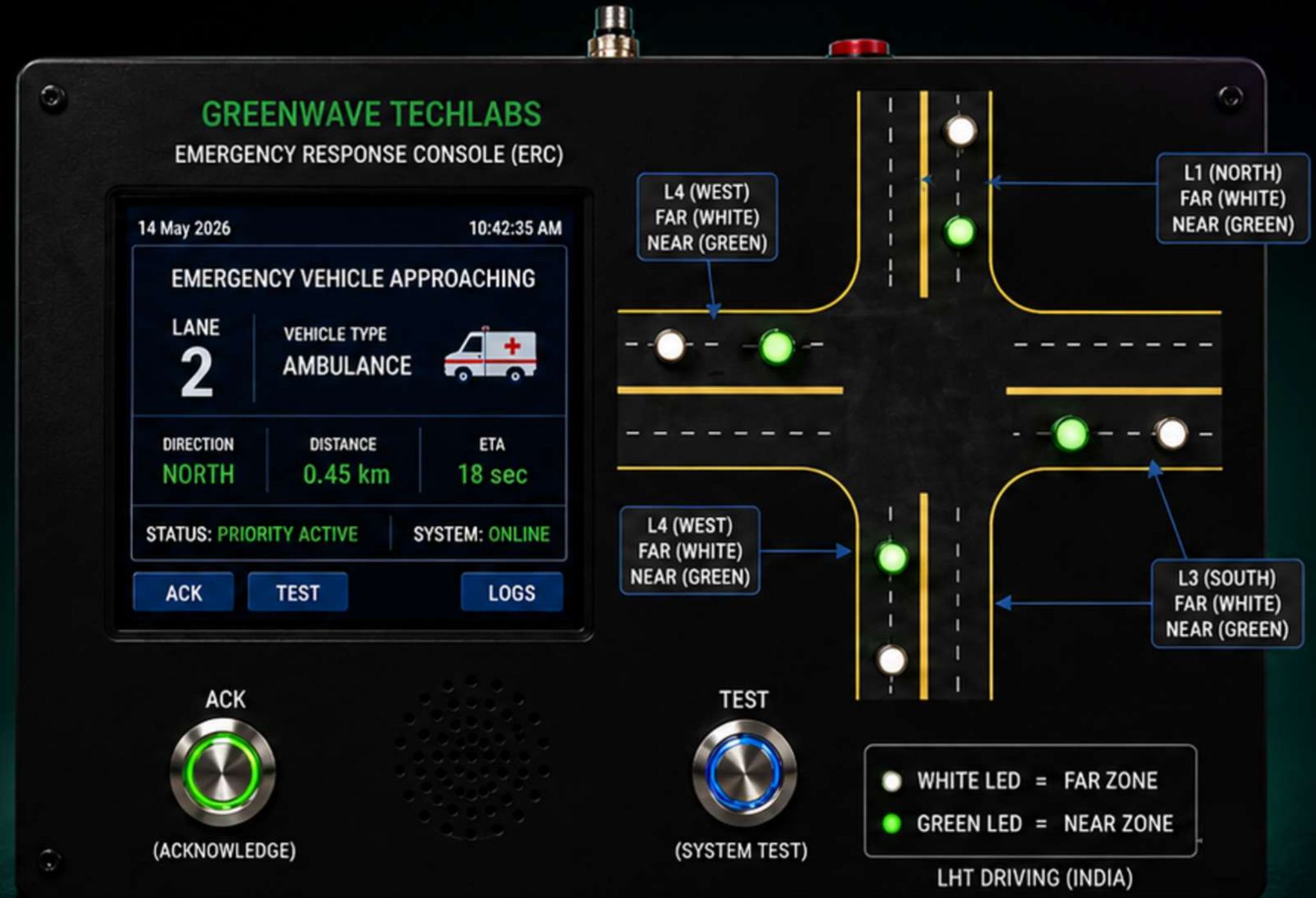
ERC

ERC

Emergency Response Controller

"Manual control when seconds demand it."

The ERC empowers authorized personnel with manual override and real-time intersection control capabilities, ensuring decisive action and operational continuity when every second counts.



EVU

RDU

ICU

DASHBOARD

ERC

One ecosystem. **One coordinated response.**

Priority One connects every layer of the infrastructure to ensure faster, smarter and reliable emergency response.



EVU

Emergency
Vehicle Unit



RDU

Roadside
Detection Unit



ICU

Intersection
Control Unit



ERC

Emergency
Response Controller



DASHBOARD

Central
Monitoring

Designed **for the** real world.

Priority One integrates across the emergency vehicle, roadside, intersection and control infrastructure.

1. EVU – EMERGENCY VEHICLE UNIT



Installed inside emergency vehicles to transmit secure priority requests.

2. RDU – ROADSIDE DETECTION UNIT



Detects and communicates approaching emergency vehicles on each approach.

3. ICU – INTERSECTION CONTROL UNIT



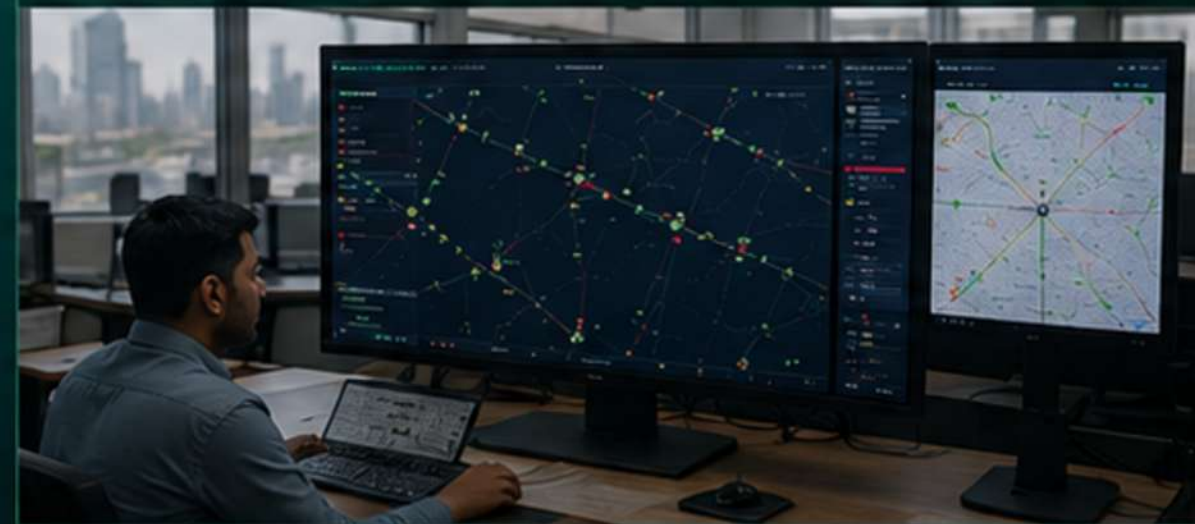
Interfaces with existing signal infrastructure and processes all incoming data.

4. ERC – EMERGENCY RESPONSE CONTROLLER



Alerts and guides the traffic officer to take appropriate signal control action.

5. DASHBOARD – CENTRAL MONITORING



Provides real-time visibility and analytics across all intersections.



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