



F.R.E.D.

Feature Recognition for Entry Detection

Enhancing school transportation
security and efficiency



Our Student Authentication and Verification System ensures that only authorized students and faculty access school transit — creating a safer environment and real accountability. By automating identity verification and tracking passenger movement in real time, F.R.E.D. delivers enhanced security and measurable cost savings for school bus operators.

KEY BENEFITS

Safety

The right student, on the right bus, at the right stop.

Real-Time Tracking

Staff and parents receive instant updates on student movement.

Seamless Integration

Works with existing transportation infrastructure, with minimal disruption.

Automated Authentication

Removes reliance on physical cards and manual roll checks.

Data Security

Advanced encryption keeps student information private and protected.

Route Intelligence

Paired with RouteForge, every boarding event feeds live route oversight with Autonomous Dynamic Routing (ADR)

HOW IT WORKS

01

Enrollment

Each student and faculty member's feature data is securely captured and stored.

02

Boarding Verification

Cameras at entry points scan and verify identities in real time.

03

Instant Notifications

Staff are alerted to anomalies or unauthorized boardings; parents are told their child is safely aboard.

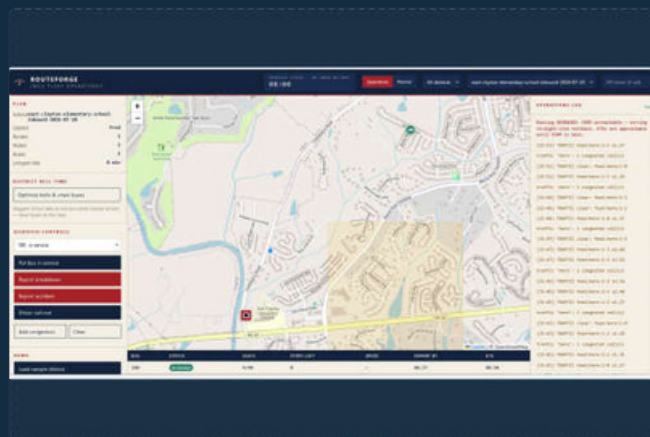
NEW

NOW PART OF THE PLATFORM

RouteForge

Intelligent, autonomous dynamic route planning and optimization for bus fleets. RouteForge builds the most efficient routes for your district, then watches every run live — detecting deviations as they happen and correcting course autonomously, without waiting on a dispatcher.

- Autonomous planning. Routes generated and continuously refined from ridership, stop, and traffic data.
- Live monitoring. Every vehicle tracked against its assigned route, second by second.
- Autonomous deviation response. Off-route or off-schedule conditions trigger immediate rerouting and alerts.



ADVANCED FEATURES

AI-Powered Accuracy

High-precision feature recognition ensures accurate identification.

Cloud-Based Dashboard

Passenger and route data from any device, in real time.

Custom Alerts

Notifications for route deviations, anomalies, and unauthorized boardings.

Fast & Contactless

No fare cards, no manual entry, no queue at the door.

IMPLEMENTATION

1. Consultation

We assess your transit system and recommend the right configuration.

2. Integration

Our team fits F.R.E.D. and RouteForge to your existing infrastructure.

3. Staff Training

Comprehensive training for drivers, dispatch, and administration.

4. Ongoing Support

A dedicated team on hand for questions, updates, and expansion.

WHY CHOOSE US

Industry-leading technology

Trusted by transit authorities nationwide

Dedicated customer support

Scalable & future-ready



Ready to see F.R.E.D. and RouteForge on your fleet?

Contact us for a consultation and assessment.

sales@dscomm.com

(800) 227-8403