

TURNING RAIL PERCEPTION INTO OPERATIONAL INSIGHTS

Corporate Investor Presentation

September 2026

Rail Vision

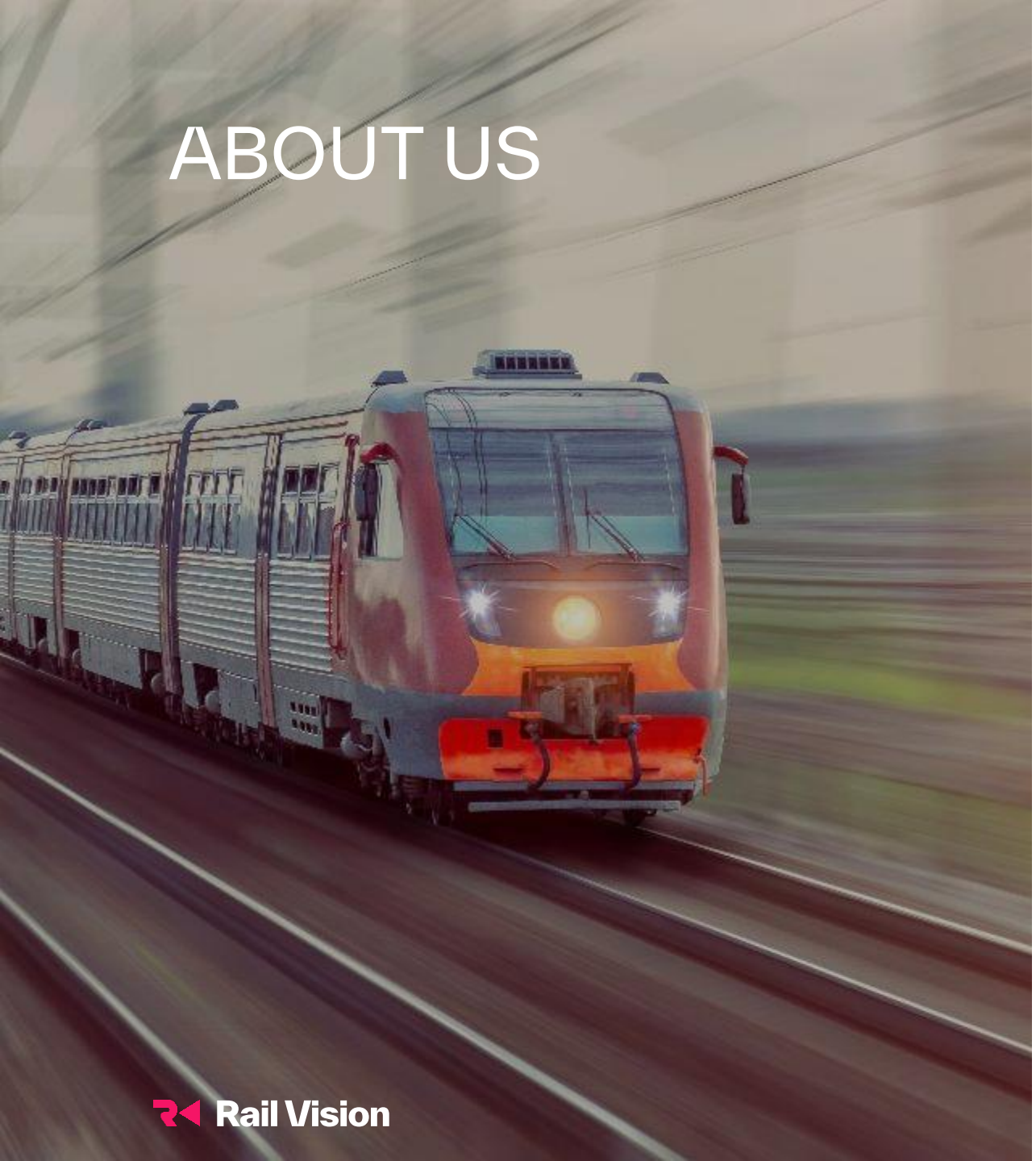
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ABOUT US



2016

Year Founded

50+

Team Members
(Mainly R&D)

RAIL FOCUSED

Driver Assistance Systems
for Railroad Operations

37

Patents
(26 registered)

IN-HOUSE TECH

Electro-Optics, Artificial Intelligence
and Big Data Analysis

$RVSN

Nasdaq

Rail Vision



2025 USA INCIDENTS

~1000

Rail
Fatalities

~9,000

Non-fatal Rail
Injuries

980

Train
Derailments

Source: *Rail Safety Overview Report* [1]



HUMAN OPERATIONAL CHALLENGES

Limited
Visibility

Workforce
Constraints

Loss of
Attention

Harsh
Environment

RAIL TECH REQUIREMENTS

Automotive Tech Falls Short

Object Classification

Rail-Trained AI
vs.
Generic Object Detection

System Reliability

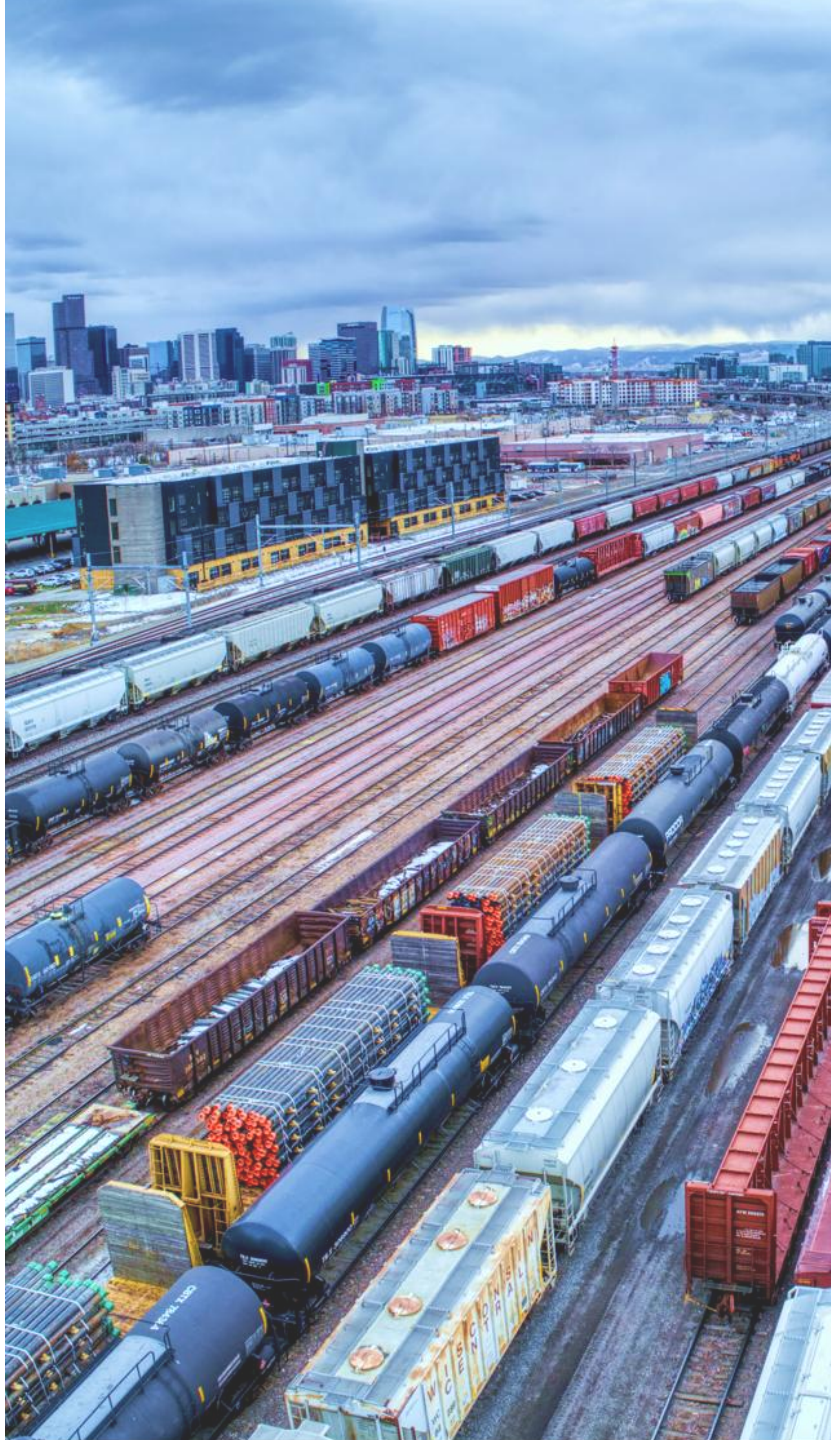
Industrial-Grade Robustness
vs.
Consumer-Grade Requirements

Range Performance

Kilometer-Scale Detection
vs.
Short-Range Sensing

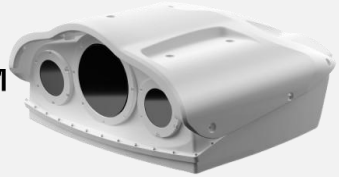
Metallic Infrastructure

Electro-Optical Immunity
vs.
Automotive Radar & LiDAR



Rail Vision

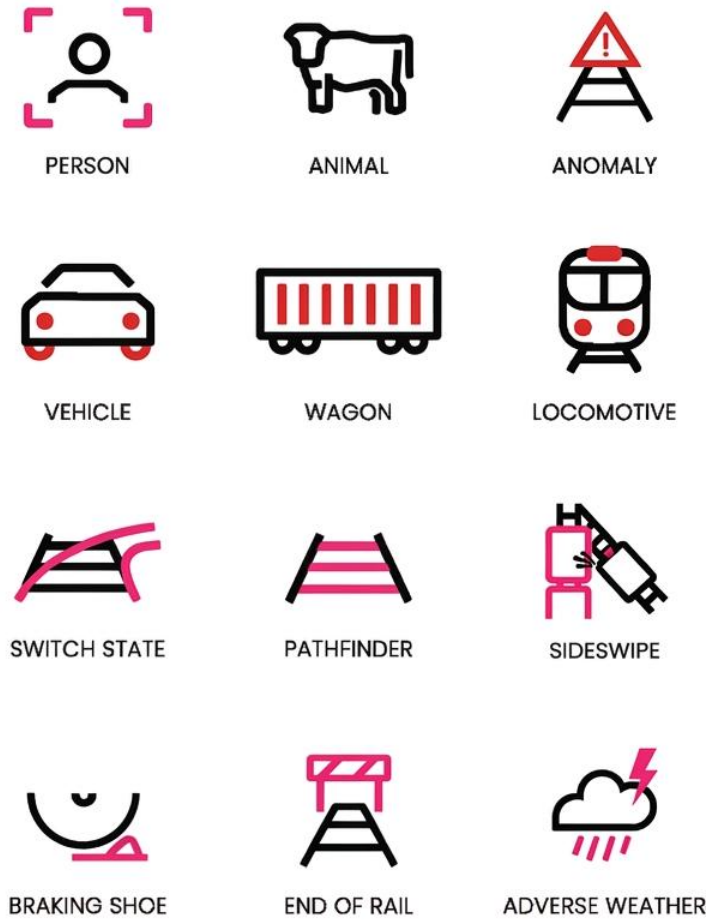
RAIL VISION SOLUTIONS

	TrackScout™ 	YardFlow™ 
Target Market	Freight & passenger mainlines	Freight & industrial yards
Detection Range	Up to 2 km (1.24 mi)	Up to 200 m (650 ft)
Business Continuity	Prevents long-haul delays	Maximizes yard efficiency

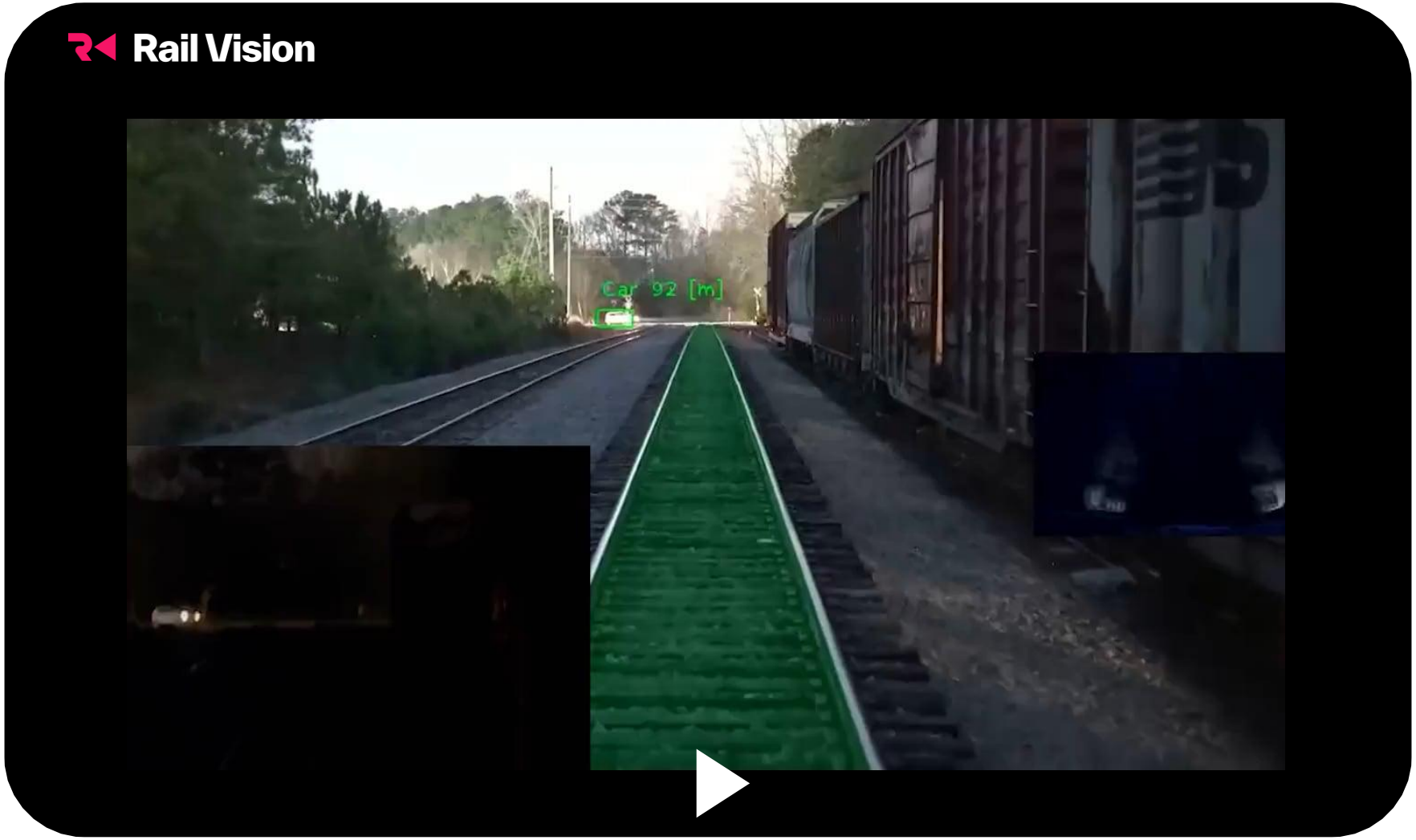
- OBSTACLE & SWITCH DETECTION
- VISUAL & ACOUSTIC ALERTS
- ADVERSE WEATHER
- OPERATIONAL INTELLIGENCE PLATFORM

CLASSIFICATION CAPABILITIES

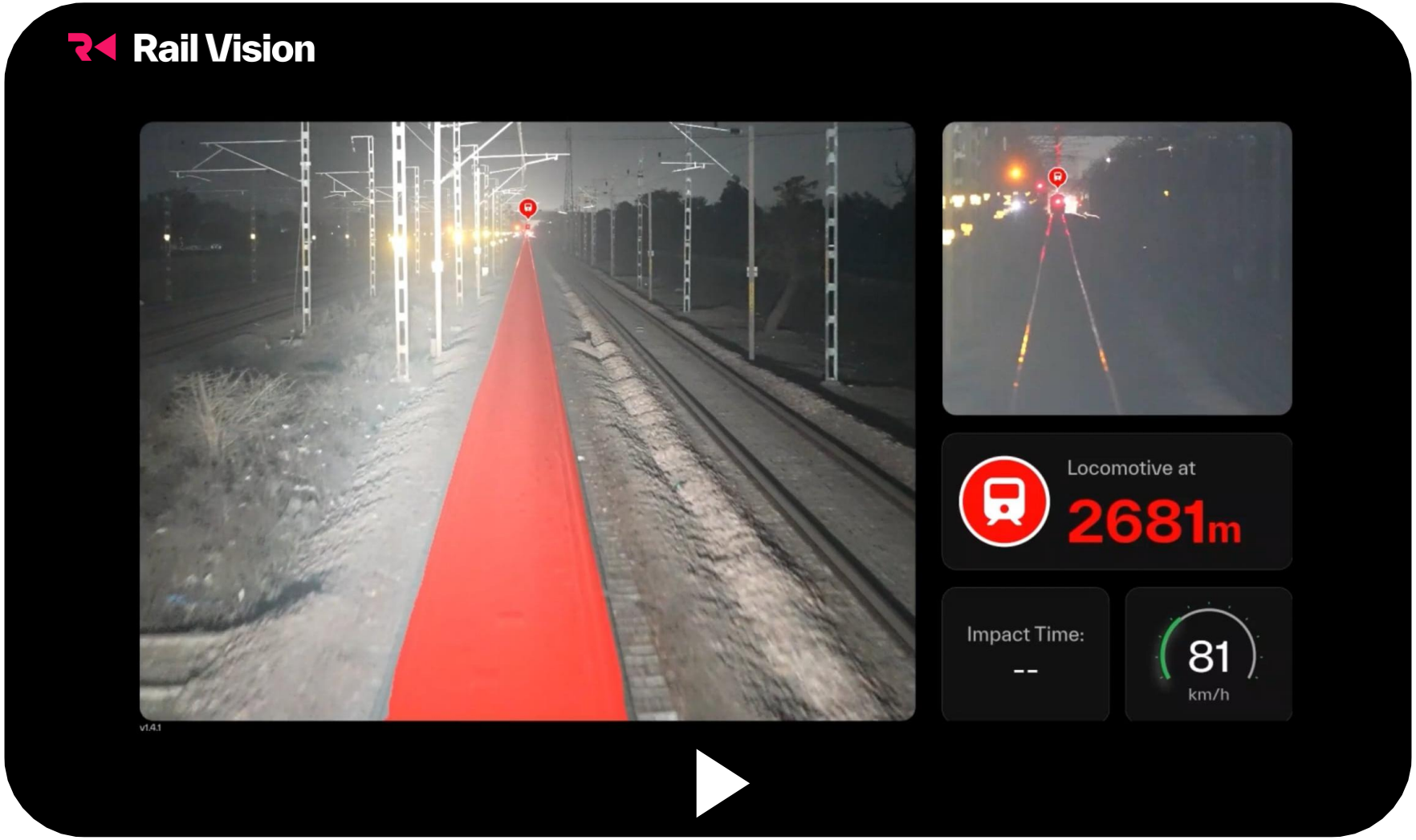
- **Dynamic Detection:** Objects, track conditions & custom classes
- **Switch State Detection:** Identifies switches aligned against the locomotive
- **Pathfinder:** Detects track layout & path alignment
- **Anomaly Detection:** Flags unclassified hazards
- **Sideswipe Detection:** Identifies equipment past the foul line



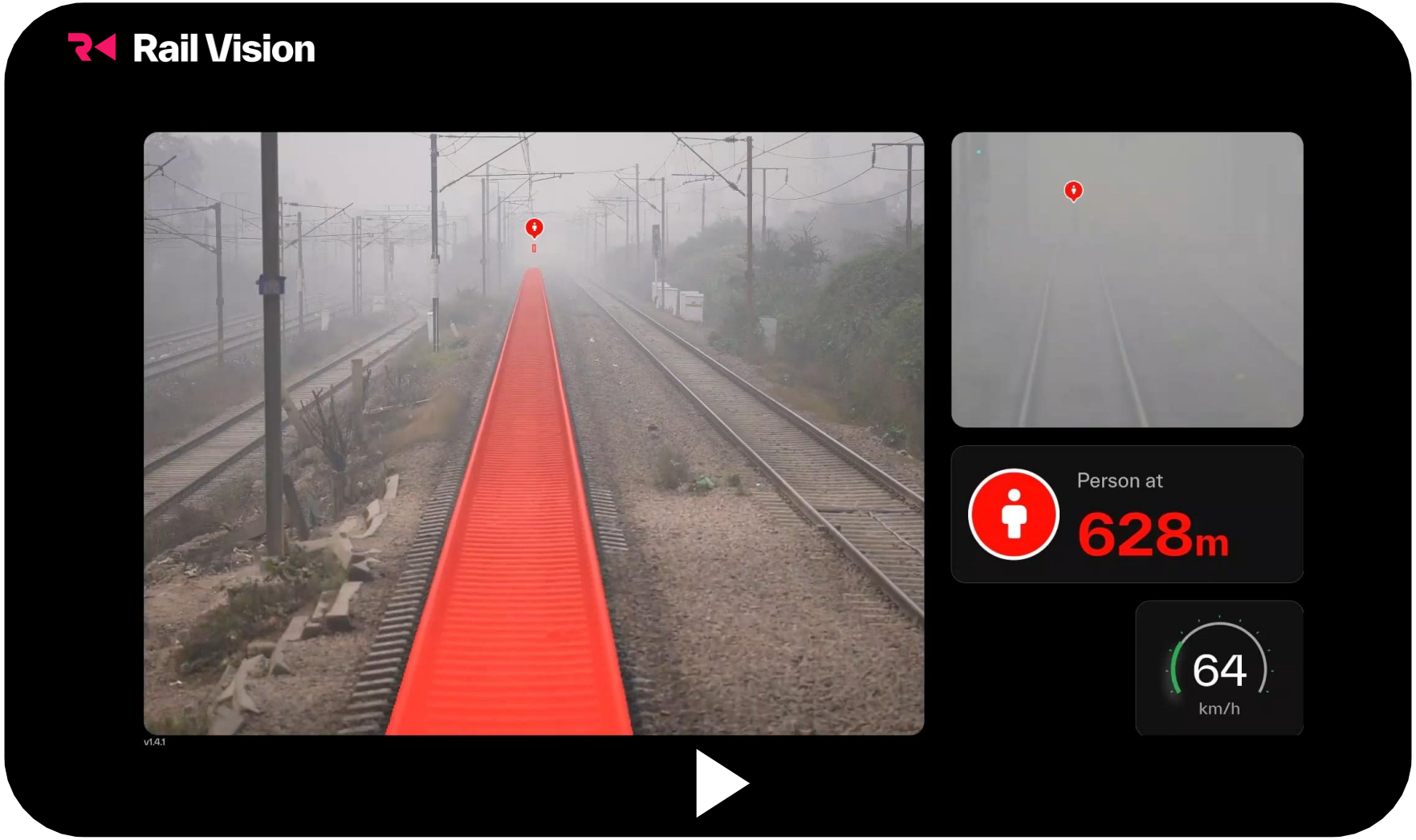
VISUAL PERCEPTION & SENSOR PERFORMANCE



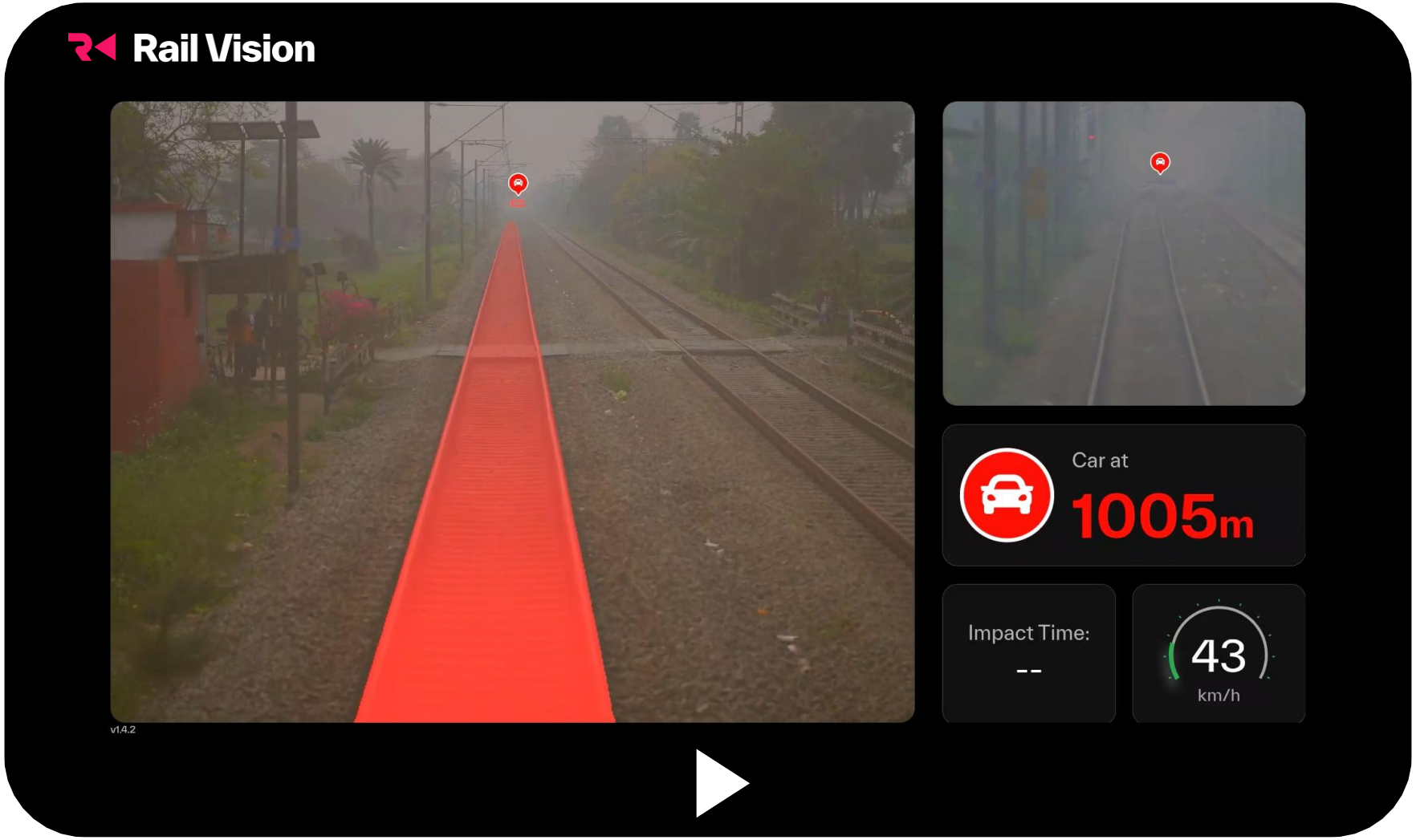
LONG-RANGE DETECTION AT NIGHT



PERSON DETECTION IN CHALLENGING WEATHER



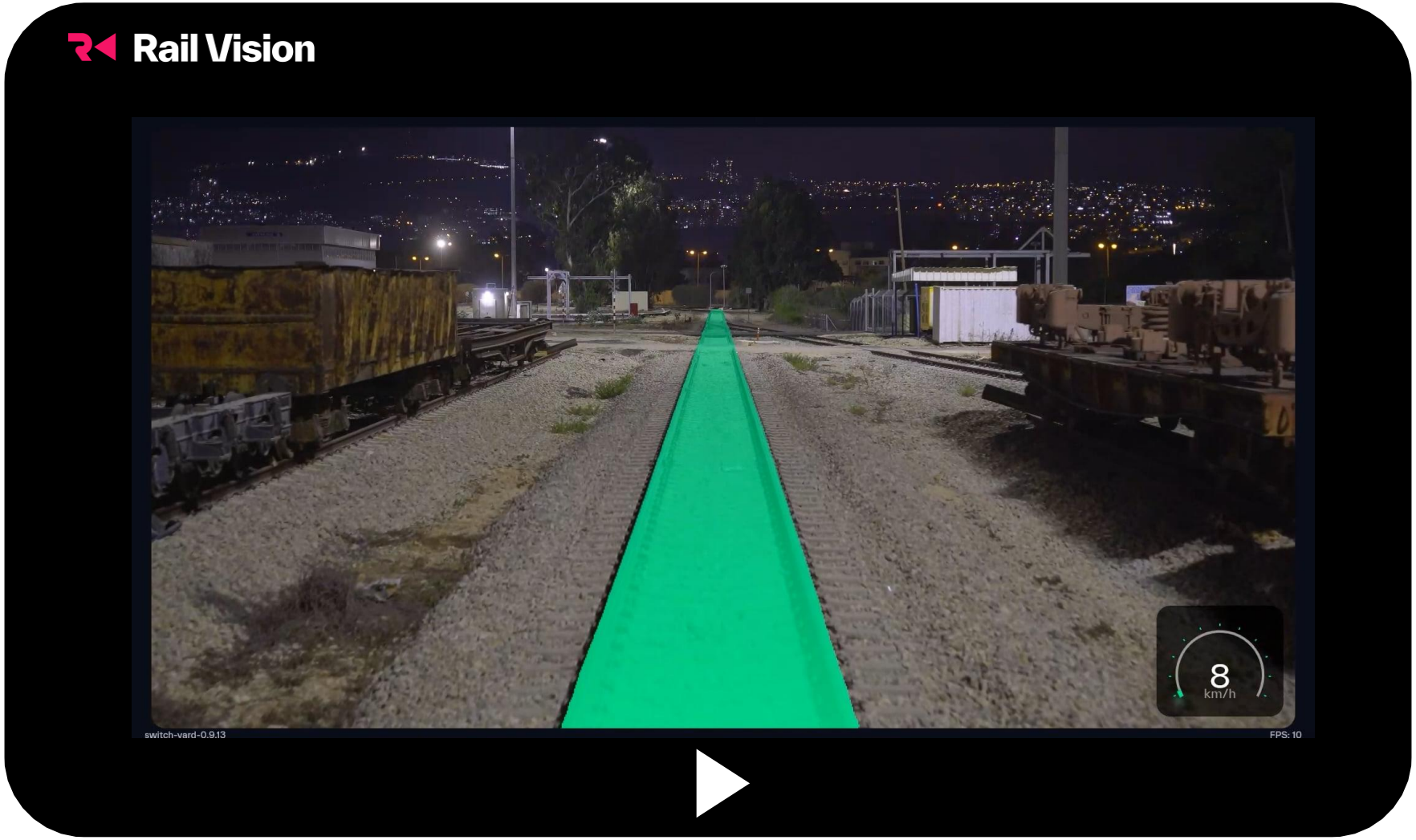
CAR DETECTION IN CHALLENGING WEATHER



INDUSTRY-FIRST SWITCH STATE DETECTION



SWITCH STATE DETECTION AT NIGHT

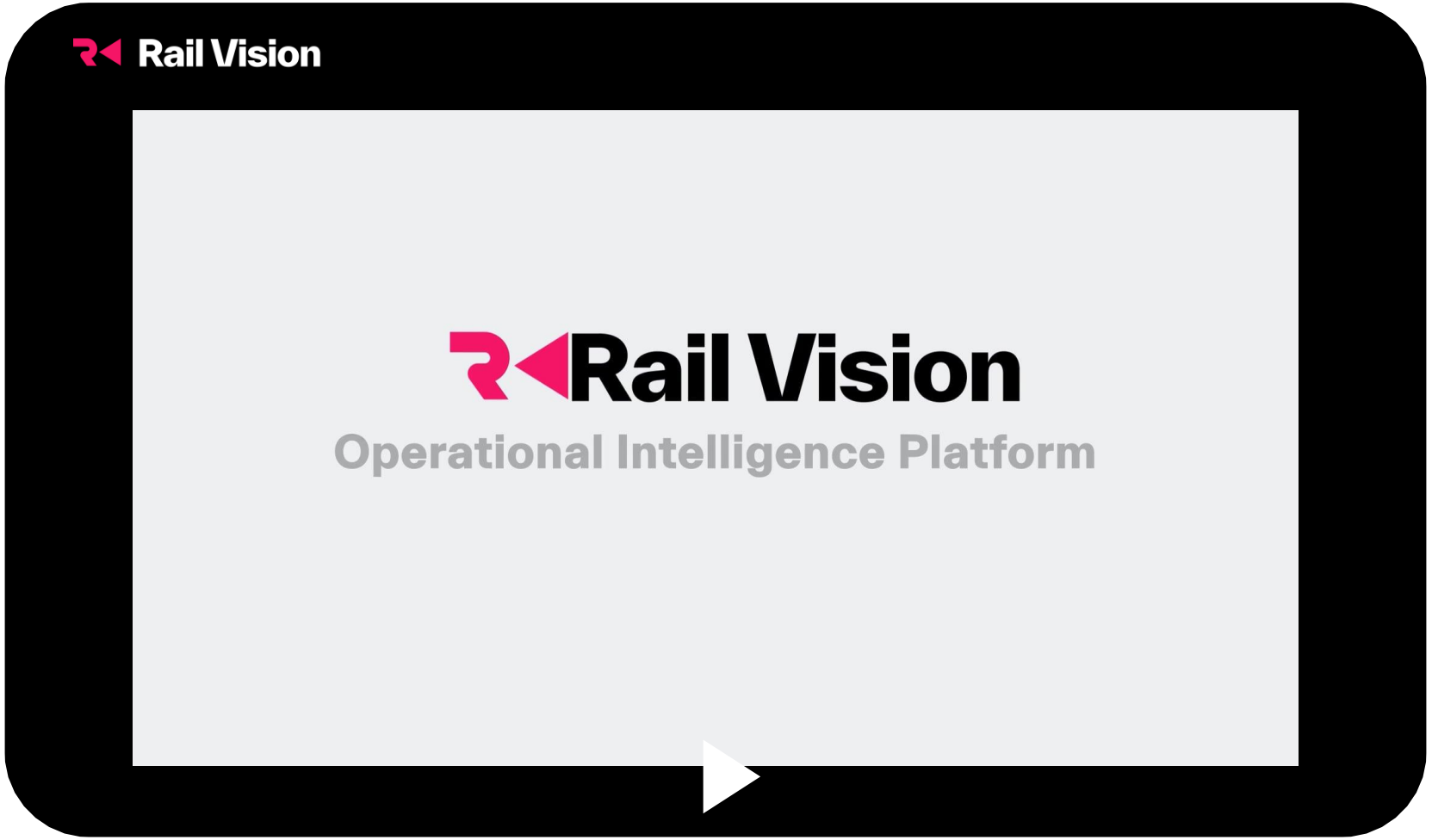


SIDESWIPE RISK DETECTION



OPERATIONAL INTELLIGENCE PLATFORM

Optimize Operations with Real-Time Insights



VALUE PROPOSITION

Ensure
Business
Continuity

Increase
Rail
Efficiency

Reduce
Operational
Expenses

Enhance
Overall
Safety



Rail Vision

GROWING MARKET

Train Collision Avoidance Systems Market Size[2]

$20B	$58B	19.0%
(2024)	(2034)	(CAGR)

Global Autonomous Train Market Size[3]

$15B	$24B	5.8%
(2025)	(2034)	(CAGR)



MARKET TRENDS

01

Global rail networks expansion

02

Increasing demand for safety and operational efficiency

03

Rising adoption of AI technology in railway

04

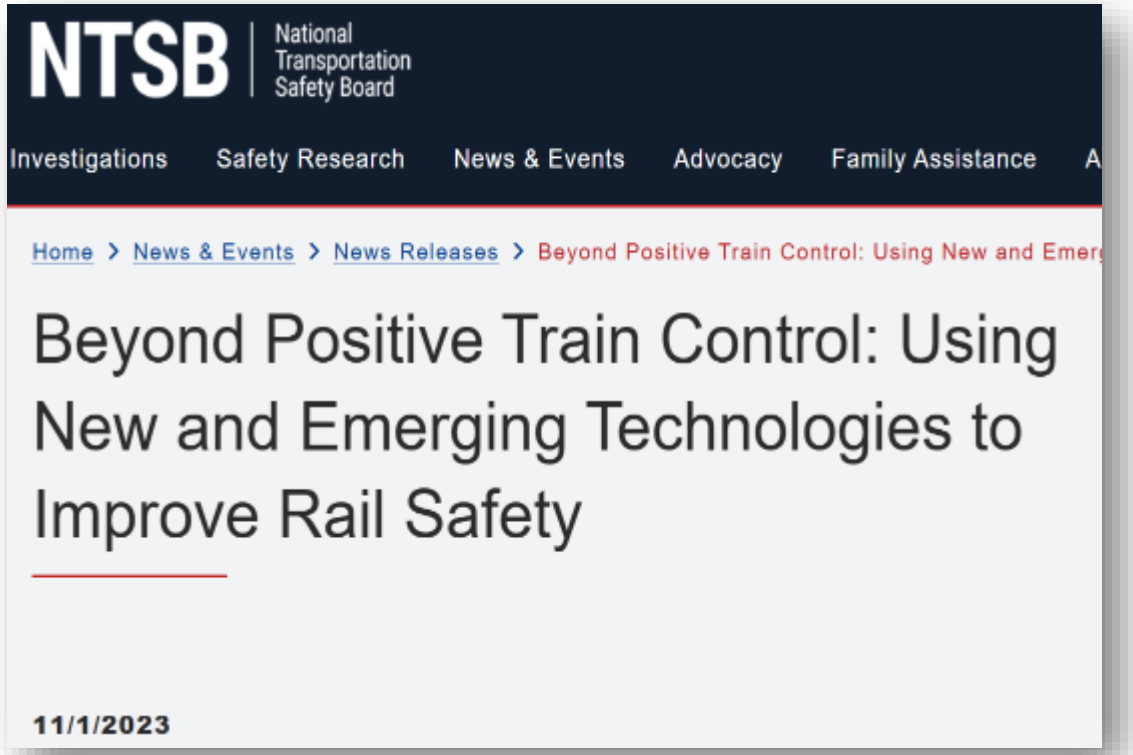
Accelerating Big Data Analytics & Operational Insights



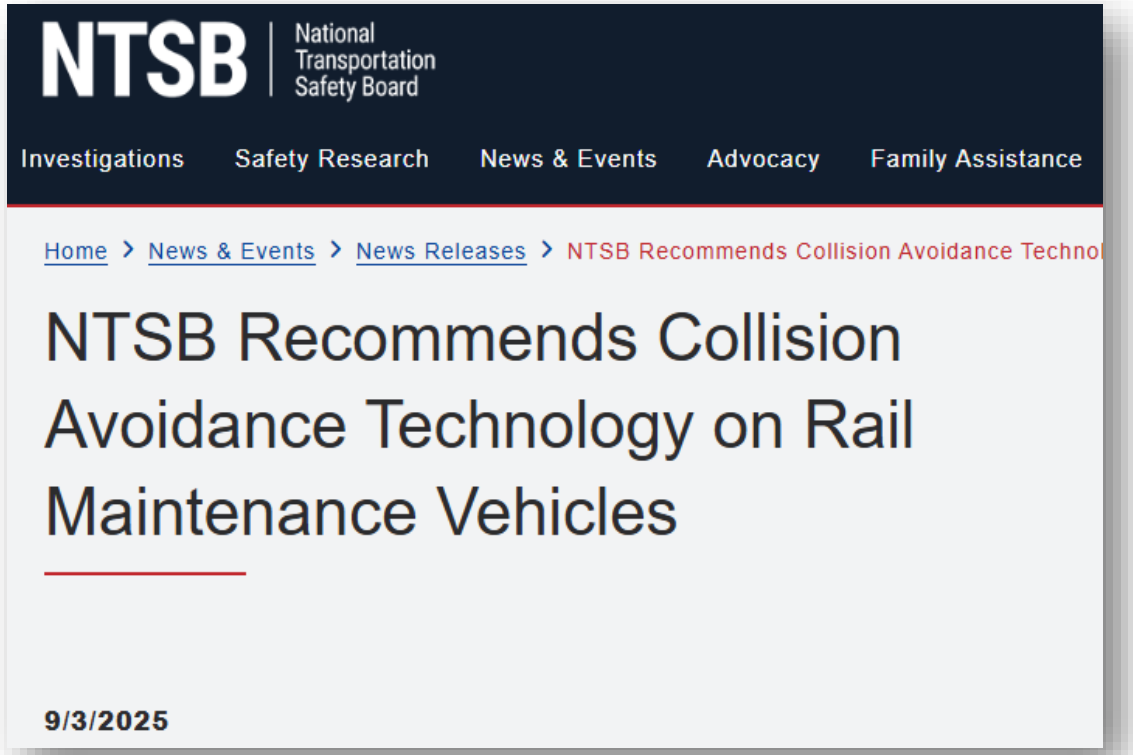
Source: *The UIC Activity Report 2025* [4]

NTSB RECOMMENDATIONS

5



6



NORTH AMERICAN PARTNERSHIP

RAILSERVE
A MARMON RAIL COMPANY

INITIAL COMMERCIAL DEAL

- Railserve is part of **Marmon Rail**, a **Berkshire Hathaway company.**
- Railserve is a leading U.S. provider of industrial rail switching, track, and repair services across 100+ North American locations.
- In January 2024, Railserve secured a commercial agreement to deploy YardFlow systems, enhancing rail safety through real-time decision-making and automatic braking.



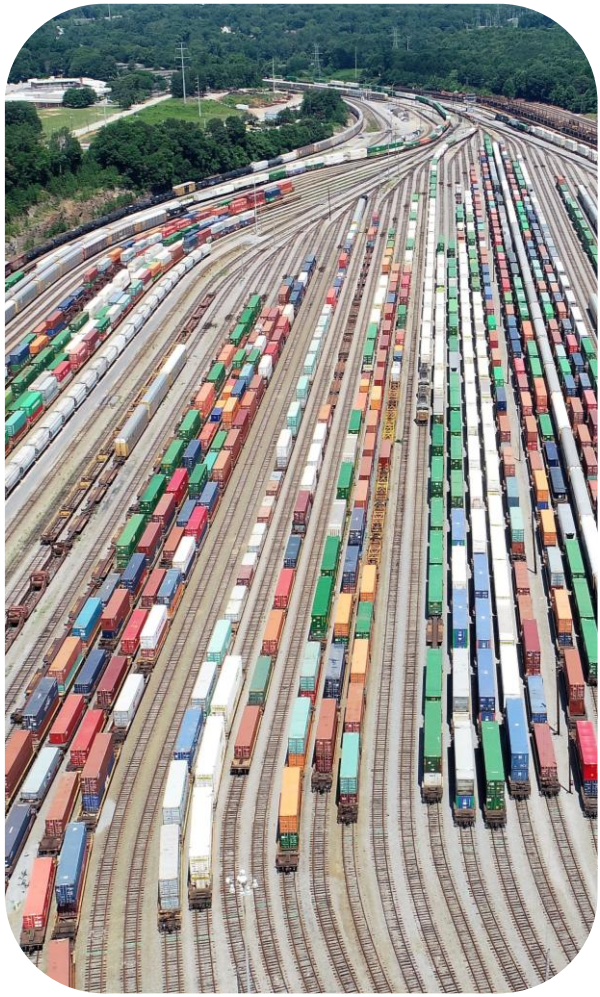
STRATEGIC INTEGRATION

Accelerating Railyard Safety via Railserve & Marmon Rail Group

Marmon Rail
A Berkshire Hathaway Company

MOU & MARKET EXPANSION

- **Strategic Agreement** (June 2026): Executed MOU with Railserve.
- **YardGUARD Launch**: Railserve introduced **YardGUARD**, a comprehensive railyard safety solution for all industrial rail environments.
- **Core Tech Integration**: Rail Vision's YardFlow powers **WatchGUARD**, YardGUARD's obstacle detection and situational awareness module.
- **Marmon Fleet Expansion**: Potential deployment opportunities across Marmon Rail Group (e.g. **Trackmobile, Boss, Zephir**) for rail car movers and rail yard solutions.



YARDGUARD LAUNCH

RAILWAY 2026 INTERCHANGE

YardFlow Showcased at Marmon Rail Booth



WatchGUARD™

In-cab hazard and alignment monitoring that improves visibility and activates **emergency braking** as needed





Rail Vision

ISRAEL RAILWAYS

Local Market Validation

2023 | TRACKSCOUT SYSTEM DEPLOYMENT

- 10 TrackScout systems commercial agreement secured.
- Validated AI perception tech with a national rail operator.

2026 | YARDFLOW TRIAL & EXPANSION

- Successful trial of YardFlow system completed.
- Active discussions for next-stage deployment & fleet expansion.





Rail Vision

LATIN AMERICA MINING CUSTOMER

Expanding Footprint in High-Capacity Heavy-Haul Rail Operations

TrackScout Systems Deployed

Active initial deployment with a leading Latin American mining customer.

Commercial Rollout Advancement

Successful initial implementation driving advanced discussions toward broader commercial adoption.

Global Industrial Expansion

Positioned to expand Rail Vision's presence across global mining and industrial rail markets.



SIGNIFICANT PILOTS

Driving Commercial Adoption Across Class 1 Operators and Maintenance Leaders

U.S. Class 1 Operator

A U.S. rail operator purchased a YardFlow system for operational efficiency and yard safety.

Central America TrackScout POC

Leading freight rail operator purchased a TrackScout system to evaluate enhanced railway safety.

Loram

Global railroad maintenance equipment & service provider purchased a YardFlow system.



INDIAN PARTNERSHIP

Strategic Entry into India’s Railway Market

Strategic MOU Execution

Signed MOU with leading Indian rail supplier to expand market footprint in India.

~17,000 Locomotive Addressable Market

High-growth target opportunity across one of the largest global rail networks.

TrackScout Trial Validated

Successful system trial completed with a leading rail operator, supporting technology validation and market adoption.

Tender & Scale Ready

Positioned for direct government tender participation and long-term commercial growth.



MXV RAIL

Strategic Industry Partnership & Standards Program

Autonomous Rail Standards
Collaborating under the TCCO project (Train Control, Communications & Operations) to help define federal autonomous rail driving standards.

Technology Roadmap Program
Advancing from initial program participation to real-world evaluation following selection for MxV Rail's locomotive sensor pre-integration testing.

U.S. Market Expansion
Strengthening U.S. market presence and potentially expanding strategic engagement with key Class 1 stakeholders and regulatory leaders.



QUANTUM TRANSPORTATION

Quantum Transportation

Long-Term Strategic Technology Opportunity

Majority Stake Acquisition Completed
Acquired a 51% ownership interest in Quantum Transportation, establishing it as a majority-owned subsidiary of Rail Vision.

Exclusive Rail Technology Rights
Quantum Transportation holds an exclusive sublicense for rail technologies related to a pending quantum error correction patent application from Tel Aviv University.

Potential Technology Synergies
The companies aim to combine quantum-AI intellectual property with Rail Vision's railway-safety technologies.

Long-Term Value Creation
Supports future innovation, product development and long-term value creation.



SUMMARY

Proven Commercial Traction

- **TrackScout & YardFlow** active field deployments
- Validated across **multiple customer segments**
- Established **strategic industry partnerships**
- Strong **expansion opportunities** with existing customer base

Large & Growing Market

- **Multi-billion-dollar** addressable market opportunity
- Accelerating demand for **rail safety & automation**
- Favorable **regulatory & operational** industry tailwinds

Scalable Business Model

1. **Pilot Phase**
   Proof of concept validation
2. **Initial Deployment**
   First fleet integration
3. **Fleet-Wide Scale**
   Full network expansion
4. **Recurring Revenue**
   Software, Maintenance & Intelligence platform

Strategic Vision: Expanding Offerings to Become a Key Player in Rail Autonomy

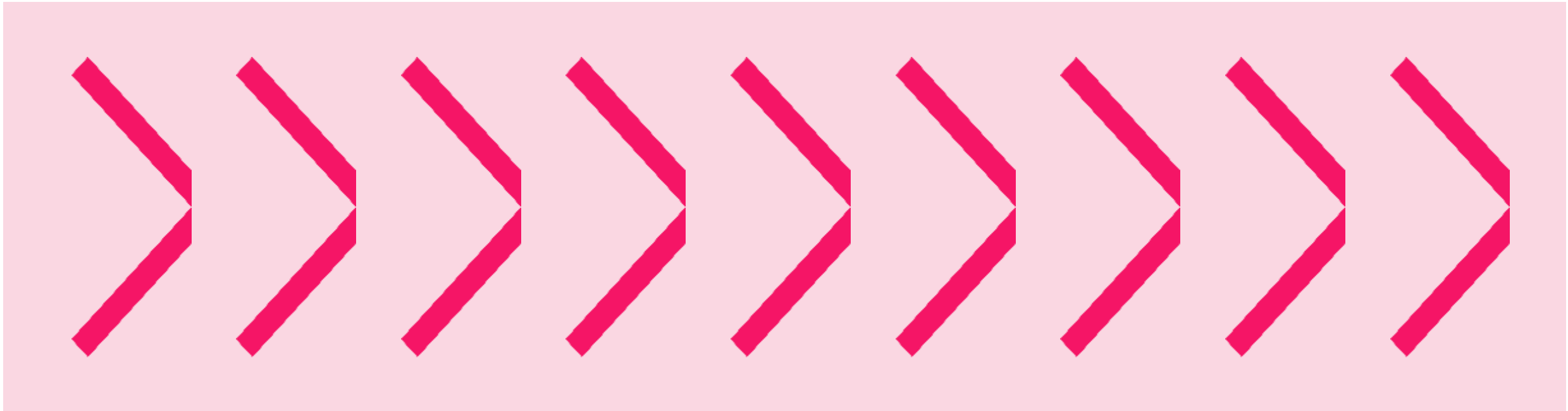
Warning Systems → Active Intervention → Autonomous Operations

Rail Vision

CONTINUING THE CONVERSATION

Open for questions & discussion

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REFERENCES

1. *Rail Safety Overview Report*. The U.S. Department of Transportation's public data portal
2. *Train Collision Avoidance Systems - Global Strategic Business Report.* Research and Markets, July 2026
3. *Autonomous Train Market Size, Share & Industry Analysis.* Fortune Business Insights, January 2026
4. *The UIC Activity Report 2025.* International Union of Railways
5. *Beyond Positive Train Control: Using New and Emerging Technologies to Improve Rail Safety.* National Transportation Safety Board, Nov. 1, 2023
6. *NTSB Recommends Collision Avoidance Technology on Rail Maintenance Vehicles .* National Transportation Safety Board, Sept. 3, 2025