

Vantage PedSafe™

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ALMAVIVA GROUP

# KEEPING SCHOOL CROSSINGS SAFE

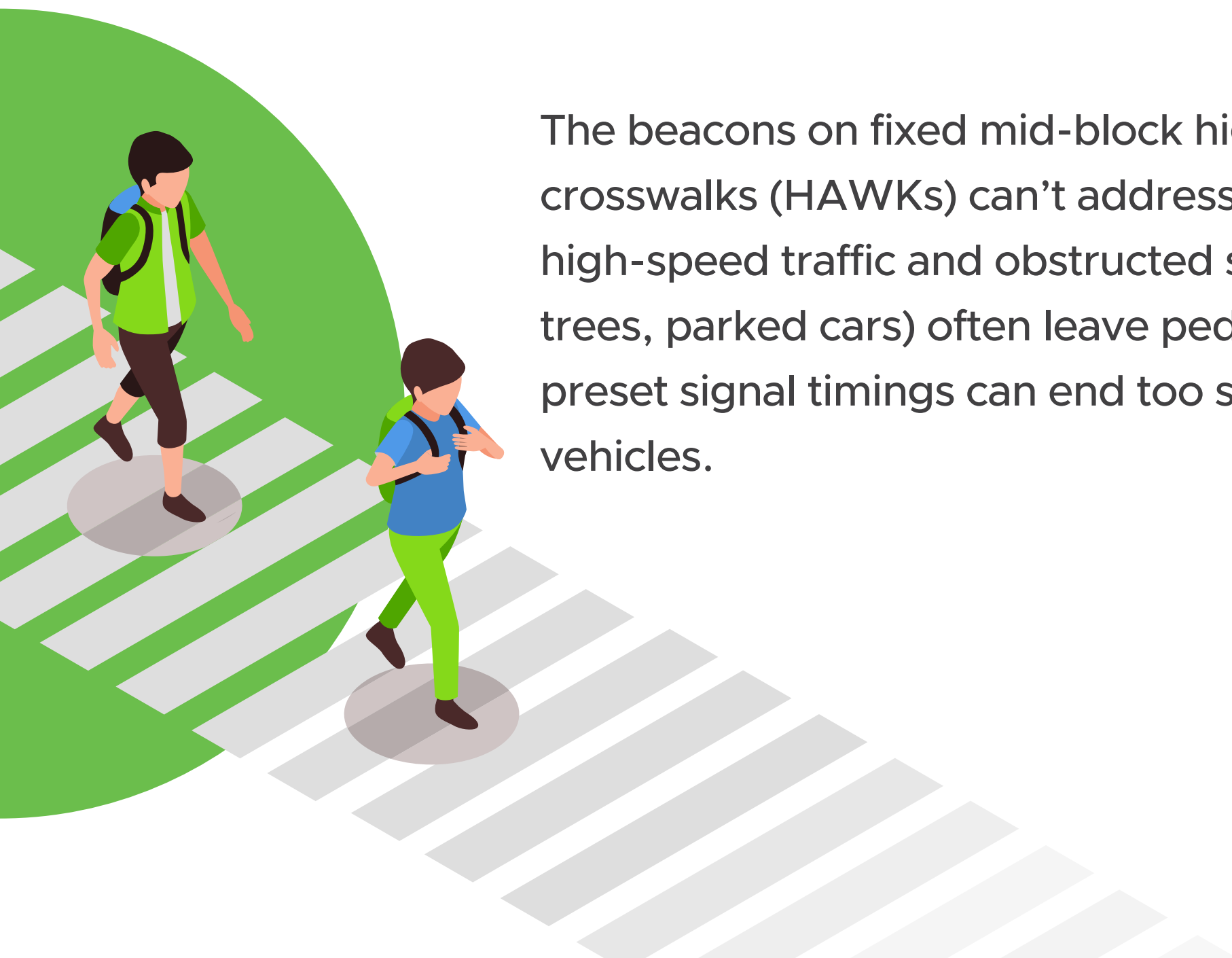
Transforming HAWK Beacons  
into Smart Crossings



# OVER 25,000 STUDENTS ARE INJURED EACH YEAR WALKING TO AND FROM SCHOOL IN THE U.S.

Source: Transportation Research Board

The beacons on fixed mid-block high-intensity activated crosswalks (HAWKs) can't address all risks. Poor lighting, high-speed traffic and obstructed sightlines (road curves, trees, parked cars) often leave pedestrians hidden — and preset signal timings can end too soon, exposing them to vehicles.



## THE SMART HAWK SOLUTION

Standard HAWK systems rely on a push button and fixed timing — but they can't adjust for darkness, speeding vehicles, or complex roadway geometry. Vantage PedSafe transforms that beacon into a Smart HAWK, using radar to detect pedestrians in any environment and adapt both timing and alerts in real time — so no one crosses unseen.

Here's how it works...

# USE CASE 3: SCHOOL CROSSINGS AND SMART HAWK BEACONS

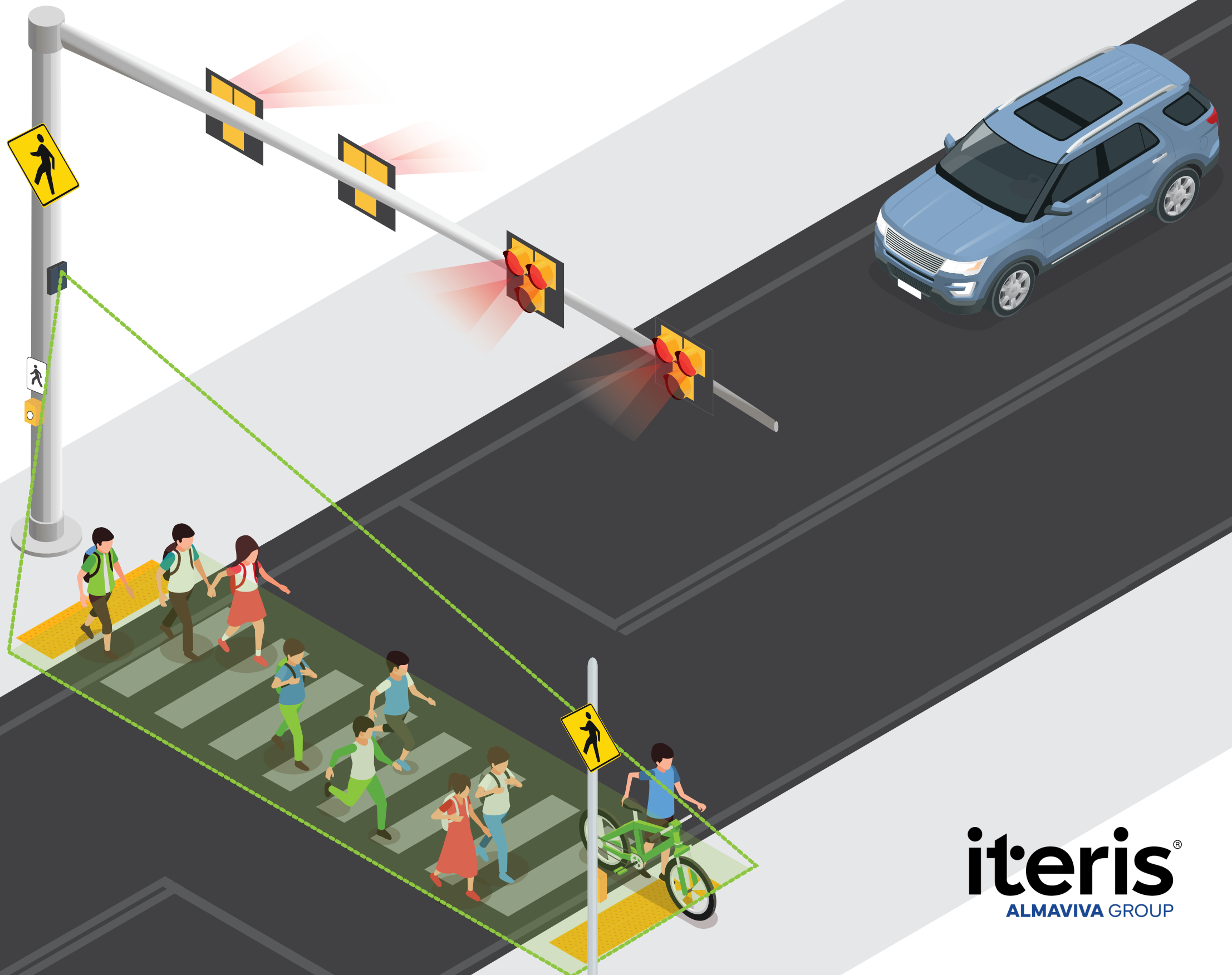
## High Traffic Events

Mid-block crossings by schools, stadiums or transit hubs often see surges in pedestrian volume during certain times of day or special events.

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## Real-time Pedestrian Detection

Vantage PedSafe detects every pedestrian – whether they press the push button or not – and immediately activates the HAWK beacon flashers.



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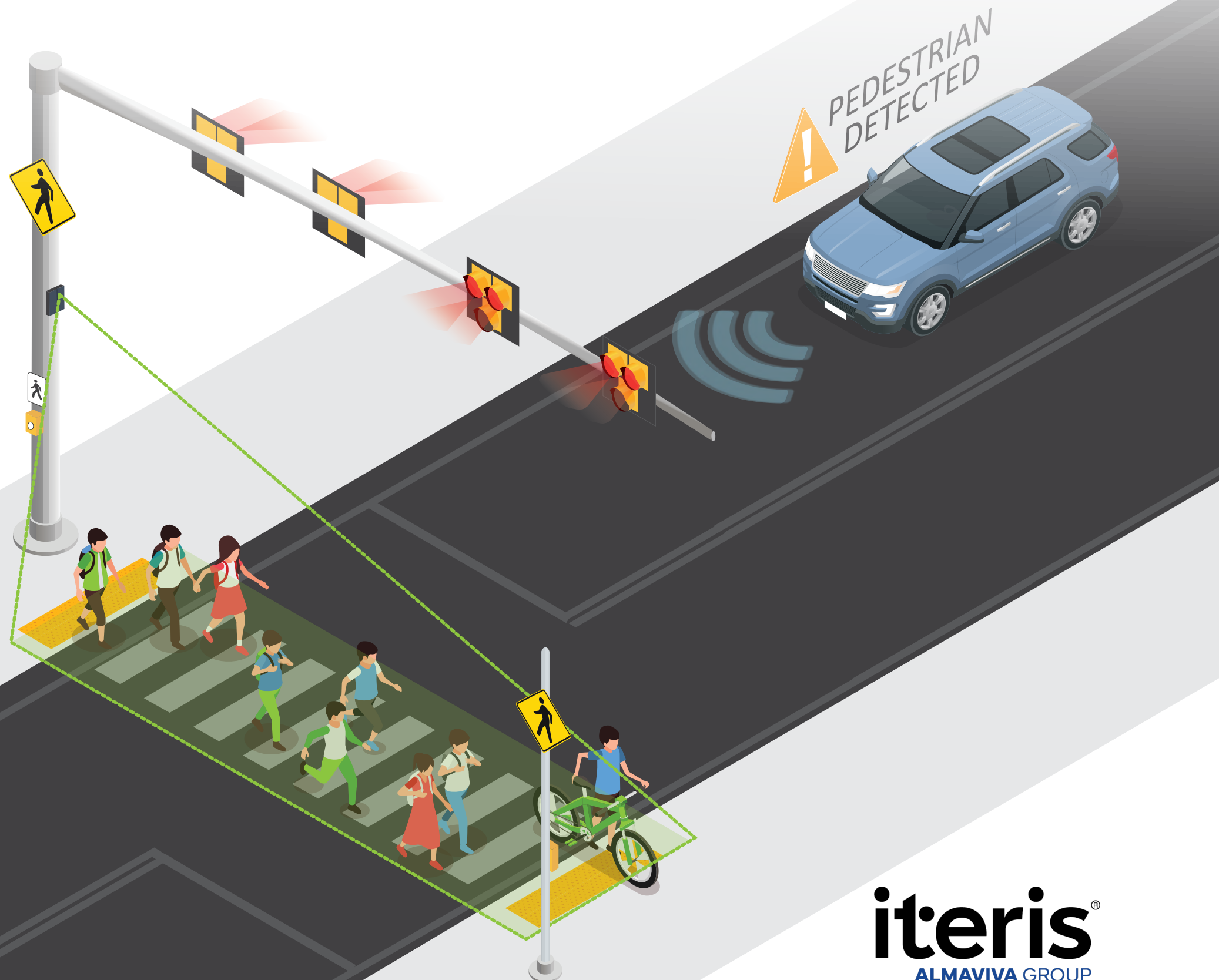
## Adaptive Flashing

When pedestrian presence exceeds the user-defined threshold for time, the Smart HAWK – powered by Vantage PedSafe – holds the flashers on until the crosswalk is clear.

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## Connected Vehicle Safety Alerts

Vantage PedSafe sends real-time warnings to connected vehicles through roadside units, further protecting students and other vulnerable road users (VRUs).

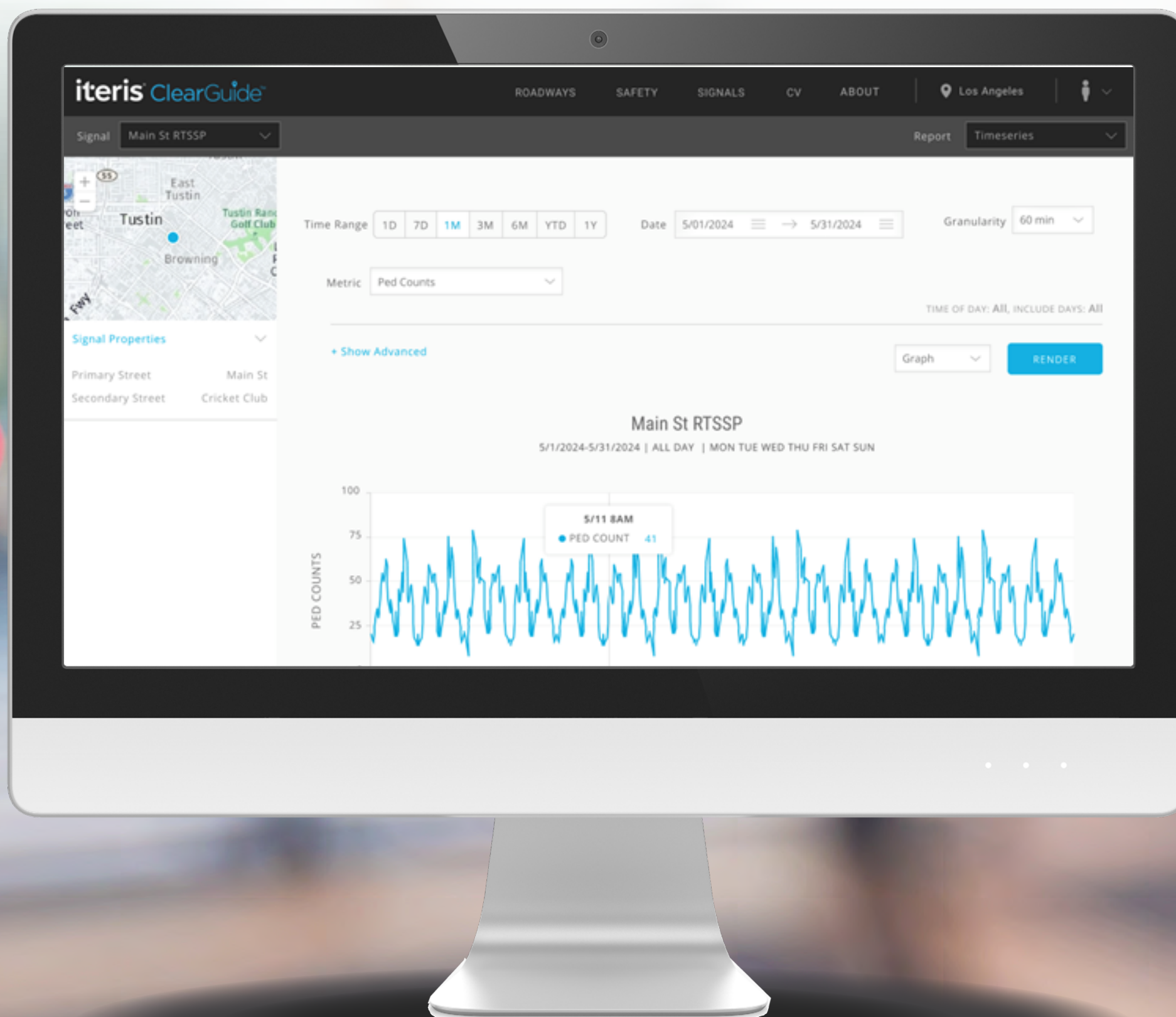


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## Analytics for Safety Optimization

Pedestrian activity data is logged in ClearGuide®, helping agencies identify areas where signal timing adjustments may be needed.





## TAKE ACTION TODAY

Whether you're looking to deploy pedestrian safety solutions or simply exploring how real-time data can shape your community's safety strategy, our team is here to help.

Get in touch to learn more about Vantage PedSafe and how it can support your pedestrian safety initiatives.

[iteris.com/pedsafe](https://iteris.com/pedsafe)



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