



Near Miss Detection

SERVICE BROCHURE

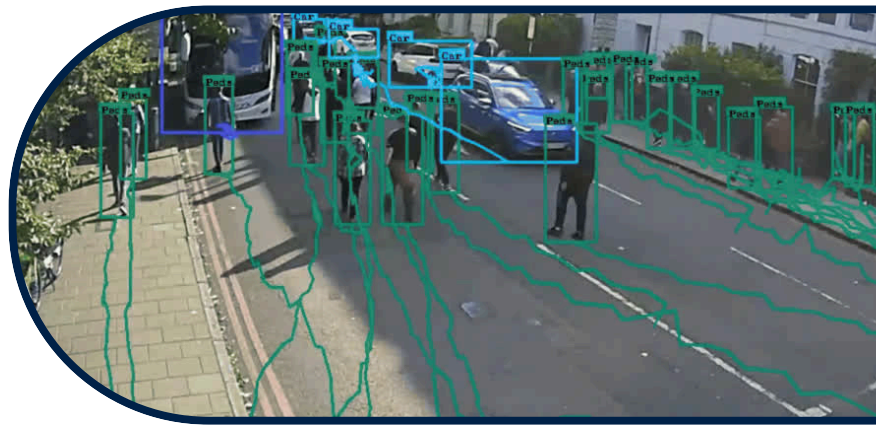


Near Miss Detection for Proactive Road Safety

Most road safety decisions are based on collision records, showing what has already gone wrong after an incident has happened.

Citizensense Near Miss Detection gives local authorities a more proactive evidence base. **Our CitiSensors continuously monitor how vehicles, pedestrians and cyclists move through a junction and identify moments where road users come dangerously close in time and space.**

This helps councils understand risk before collisions happen, prioritise safety investment and measure the impact of interventions with clear, defensible data.



What We Detect

Our CitiSensors continuously monitor movement patterns at key locations, identifying and classifying potential conflicts between road users.

Conflict types captured:



Vehicle to Vehicle

Identifying close interactions between vehicles at junctions, crossings, turning points and conflict-heavy locations.



Vehicle to Pedestrian

Highlighting moments where pedestrian movements and vehicle paths come into close proximity.

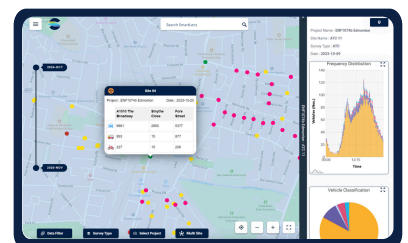
Each conflict is graded by the severity of the interaction, helping authorities understand not just where conflicts happen, but how critical they are.

Smart Lenz Dashboard Outputs

Every flagged conflict is logged within the Smart Lenz dashboard, providing a clear record of when and where near misses occur.







Outputs include:

- Timestamped event logs
- Tabular and graphical dashboard views
- Conflict severity classification
- Location-based insights
- Before and after comparison
- Summary reporting for decision-makers



Supporting Safer Decisions

Citisense Near Miss Detection supports local authorities to:

-  Identify high-risk locations before collisions occur
-  Justify road safety investment with clear evidence
-  Measure the impact of safety schemes before and after delivery
-  Respond to public concern using data rather than anecdote
-  Prioritise interventions across junctions, corridors and local networks
-  Build a stronger evidence base for funding, policy and design decisions

Why Citisense?

Our approach combines technology with transport expertise.

Our CitiSensors provide classified, all-weather detection, while our in-house specialists interpret the data and turn it into clear, practical insight.

Key benefits:

- Proactive road safety intelligence
- Continuous roadside monitoring
- Classified conflict detection
- Tested above 93% accuracy against traditional survey methods
- Smart Lenz dashboard access
- Specialist reporting, not raw data alone

From reactive collision analysis to proactive risk prevention.

Get in touch today!

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