

Crash Hotspots

Incident predictions and countermeasure recommendations

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Data analytics and machine learning helps save lives

Crashes generate nearly \$871 billion in economic loss and societal harm yearly¹

The cloud propels road safety

The Siemens ITS Digital Lab has developed Crash Hotspots with Vision Zero as its main driver. This cloud-based application was created to help transportation engineers and safety planners to synthesize the factors that influence traffic incidents and roadway safety. Leveraging data, Crash Hotspots provides powerful insights through a dynamic and user-friendly interface that analyzes most dangerous areas for all type of accidents in one place.

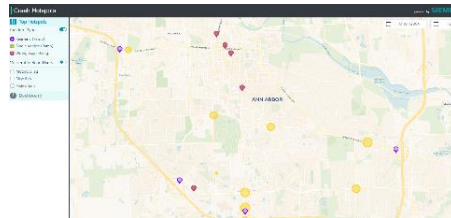


Smart incident mitigation planning

The Crash Hotspots web application automatically categorizes dangerous intersections by providing a risk index. Revealing areas where incident mitigation strategies should be prioritized.

Dynamic countermeasures

With adaptability as part of the core platform design, Crash Hotspots is built to constantly evolve and adjust to the city changes. Incorporating new data sets as they become available, crash hotspots' intelligent algorithms automatically recommend proven countermeasures, for example "install rumble strips", to proactively reduce number of incidents in identified areas.



Built to evolve

Created as a modular SaaS, Crash Hotspots is the most scalable tool for transportation safety professionals. With different modules to address different needs and enable engineers to quickly acquire only what they need. Interactive reporting and dashboarding that can be extended as data sources became available, smart recommendations or predictive analytics using sophisticated machine learning algorithms.

Crash Hotspots in a nutshell

- Spend time where it matters most, Crash Hotspots allows you to easily visualize dangerous zones and immediately analyze crash data with its dynamic dashboards.
- Exclusive machine learning recommendation engine enables you to quickly receive and implement proven safety countermeasures.
- Improved mechanisms calculate risk index to provide objective prioritization to implement safety strategies for different road users: pedestrians, bicyclists and motorcyclists.

For more information visit:

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