



Photo by: [Audi](#)

## [Spoke Safety developing V2X vehicle-bicycle communication technology](#)

Spoke Safety is teaming up with Audi, Qualcomm, and Commsignia to [develop V2X technology](#) to communicate cyclist location to nearby vehicles. Using a C-V2X radio, miniaturized to fit on a bicycle, the bicycle's location can be broadcast to nearby vehicles. Connected vehicles can then extrapolate the bicycle's intended direction and alert the driver of a potential collision.

## [Toyota developing "Cabin Awareness" system](#)

Toyota recently announced their "[Cabin Awareness](#)" concept for vehicle interiors. Utilizing [radar sensors](#) throughout the vehicle cabin, the vehicle can detect and differentiate between children and adults, based on passenger size, position, and posture. This information can be used to ensure seat belt use, provide notification if a child has been left in the vehicle, or confirm that an AV trip taken by a minor is complete. This feature could also be leveraged to assess if passengers are in unsafe conditions and potentially alert emergency services, if needed.



Photo by: [Repairer Driven News](#)



## General Motors, Geotab to offer connected services to government fleets

Cloud-based telematics provider Geotab will offer connected services in GM vehicles to government agencies. Through built-in OnStar modules, Geotab can provide real-time location data, maintenance information, and other details to fleet managers. Collecting this data through a factory-installed module simplifies setup for fleets, and the data collected can help fleet operators efficiently organize and manage vehicles.



Photo by: [OnStar Business Solutions](#) / [GM Fleet](#)

## Connected Vehicles can help map urban heat islands

Temperature sensors within CVs traversing urban areas could help researchers track [heat islands](#). Research has shown that within urban cores, parks and other greenspace are noticeably cooler than large areas of asphalt and concrete. Subsequently, these higher-temperature areas experience more incidents of heat-related illnesses during heat waves. The ability to map heat islands within an urban core can help city planners best locate cooling centers, and help first responders deploy supplies and personnel in preparation for treating heat exhaustion, heat stroke, and other heat-related ailments.

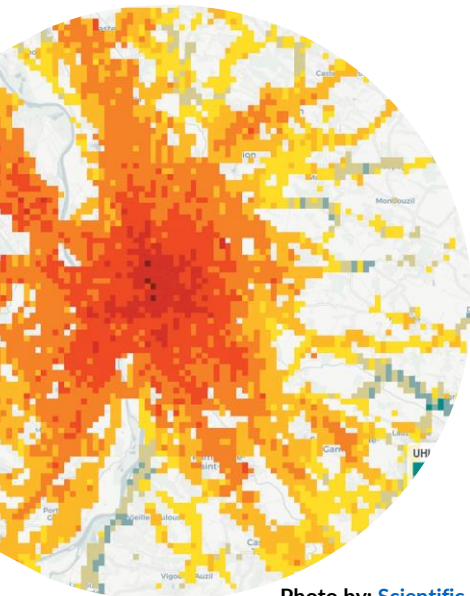


Photo by: [Scientific American](#)

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