

EPAM'S VEHICLE-TO-EVERYTHING EXPERTISE:

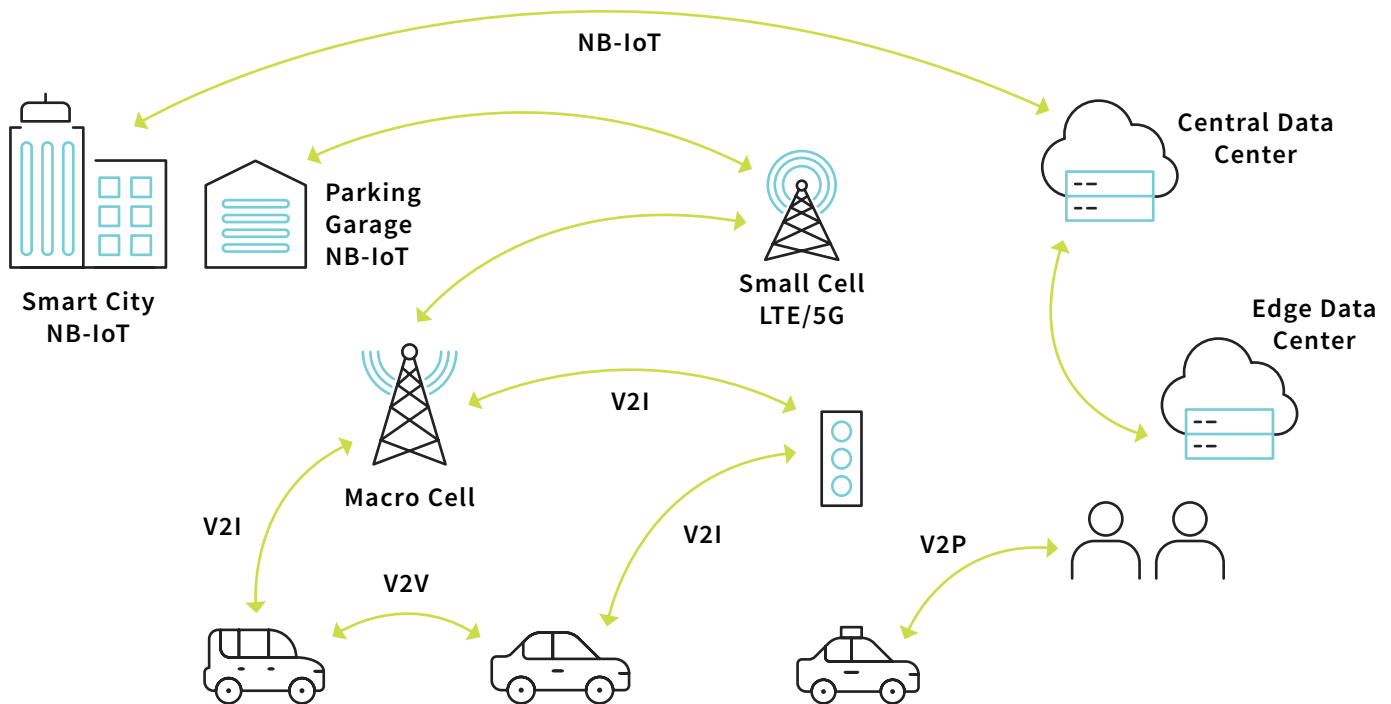
Driving the Future of Autonomous Mobility Solutions

Advancements in connected and autonomous vehicles promise to improve road safety, decrease pollution and enable faster and more cost-effective transportation options. But the future of vehicles is not just about the self-driving capabilities—it involves a wide-ranging interconnected ecosystem that includes cities, transportation networks and policing services, among others. Many of these existing and future technologies rely heavily on the critical telecom network infrastructure, which must be able to embrace this digital transformation and drive new service opportunities.

To be ready, telecom providers and automotive manufacturers need a partner like EPAM to implement Vehicle-to-Everything (V2X) technology to enable vehicles and road infrastructure can exchange sensor data, geolocation and warnings to enable real-time, data-driven decisions to make the roads safer for all.

WHAT IS VEHICLE-TO-EVERYTHING (V2X) TECHNOLOGY?

As the link between drivers and connected networks, V2X technology is poised to revolutionize the mobility ecosystem. V2X technology is being used across the globe to send out road work and intersection collision warnings, provide detailed mining site tracking, among others. While the market is still developing, there is significant momentum behind vehicles that are more connected to other vehicles and infrastructures in the ecosystem as the industry realizes its myriad benefits.



HOW EPAM CAN HELP

EPAM's V2X expertise bridges the gap between innovative trials and enterprise-at-scale, helping cities, automotive OEMs, telecom providers and value-added service providers drive transformation in the automotive industry.

KEY BENEFITS

Secure Transportation

- By optimizing the driving experiences of today, you can create safer, faster and more cost-effective modes of transportation, reducing the risk of accidents.

Regulatory Compliance

- We help you overcome the limitations to autonomous vehicle innovation of current systems while helping you keeping up with evolving global standards.

Revenue Generation

- By creating a roadmap for introducing new innovative technology, we help you open new opportunities to monetize value-added services and build new lines of revenue.

Relationship Building

- Drawing on our extensive networks, we help your business create lasting partnerships with telecom providers, government bodies and smart city councils to drive large-scale digital transformation.

EPAM'S AUTOMOTIVE EXPERIENCE

3/5

Providing services to 3 out of the top 5 leading car makers

2/4

Working with 2 out of the top 4 automotive tier 1 suppliers

20+

Industry-leading customers

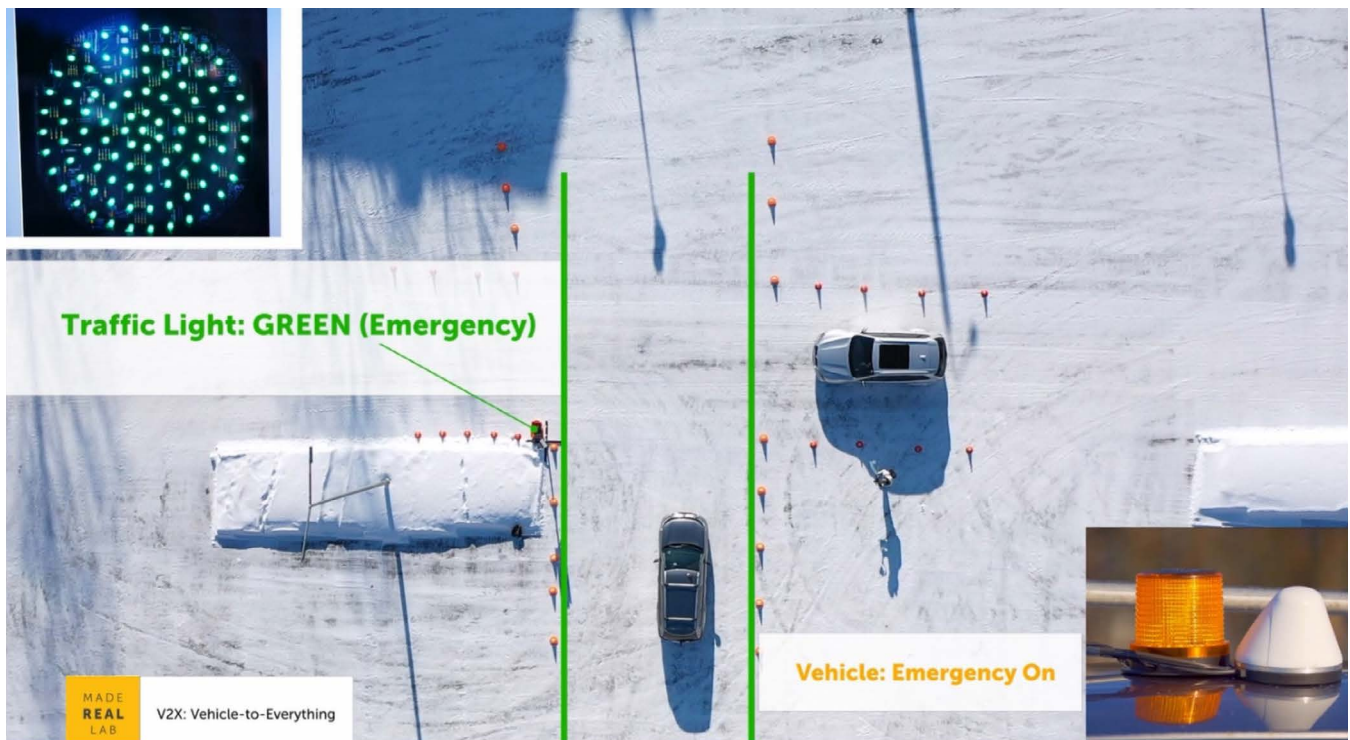


AMBULANCE RECEIVES GREEN LIGHT AT AN INTERSECTION

Using the idea of a connected emergency vehicle that forces a green light at an intersection, the EPAM Continuum Made Real Lab designed and developed a custom application for on-board units, built a cloud center and conducted field tests to apply the concept in the real world. The solution enables direct connectivity between a vehicle and traffic light, accelerating passengers' access to life-saving care.

HOW IT WORKS

- As the emergency vehicle siren is turned on, a signal is sent to the nearest intersection traffic light, which in turn sends a green wave in the required direction of travel.
- A cloud-based dispatching center visualizes direct communication between vehicles and traffic lights in real time, with actual GPS and status updates.
- Custom-developed software with hardware was rigorously field-tested by EPAM engineers to ensure that the ambulance can arrive as quickly—and safely—as possible.



[VIEW THE FULL DEMO HERE](#)

Interested in learning more? Contact us today to schedule a meeting.

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