

Sigma Technology Contributes to “Safer Crossways” Project to Enhance Road Safety in Sweden

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Sigma Technology, a leading global technology consulting company, is pleased to announce its participation in the “Safer Crossways” project, a significant initiative aimed at improving road safety in Sweden.

This collaborative project focuses on developing advanced infrastructure-to-vehicle (I2V) communication systems to enhance road safety for all users, particularly vulnerable road users such as pedestrians and cyclists. By developing a non-proprietary, protocol-agnostic Road Side Unit (RSU) architecture, the project seeks to create a scalable, interoperable, and cost-effective foundation for future traffic safety solutions.

“Imagine a system where traffic lights, vehicles, and road signs can ‘talk’ to each other in real-time, sharing information about potential hazards or pedestrians crossing the road,” explains Sara Dalvig, a consultant at Sigma Technology Embedded Network. “Using IoT and smart infrastructure, we are creating a connected network that helps drivers make safer decisions and gives vulnerable road users the protection they need. It’s like giving roads and vehicles their own safety team.”

Sigma Technology Embedded Network brings its expertise in digitalization, IoT, and embedded systems to the “Safer Crossways” project. The company plays a crucial role in developing secure and interoperable RSU solutions, ensuring cost-effective, scalable systems built on open standards. This approach facilitates data-driven decision-making for smarter infrastructure and more effective traffic management policies.

“We believe that the future of urban living lies in smart, connected solutions that enhance both safety and efficiency,” says Danilo Chinchilla Sosa, President at Sigma Technology Embedded Network. “Our vision is

to drive innovation through technology that seamlessly integrates infrastructure, vehicles, and people. With projects like ‘Safer Crossways,’ we are laying the foundation for smarter, more sustainable cities.”

The “Safer Crossways” project is a collaborative effort involving a diverse range of stakeholders, including MittLogik Solutions, RISE (Research Institutes of Sweden), and several municipalities in Skåne, alongside initiatives like OpenTech and Future By Lund. This project is part of FFI (Fordonsstrategisk forskning och innovation) and supports Vinnova’s mission to drive vehicle transport innovations for a sustainable society.

About Sigma Technology

Sigma Technology is a privately-owned global technology consulting company with operations in Sweden, Hungary, Norway, Germany, Kosovo, and Ukraine, and global delivery to Europe and the USA. Sigma Technology offers cutting-edge expertise in software development, product information, embedded systems design & development, digital solutions, and IT infrastructure with expert consultants, offshore delivery, and development teams. Sigma is owned by Danir AB and has about 5,000 employees and a network of partners in 16 countries.