Aunoa presents its progress on cybersecurity for connected mobility as part of the SafeRoute-6G project at the CNSM 2026 International Conference

Teo Redondo, Head of Innovation at Aunoa, participated in the 4S –Net Workshop at the 22nd International Conference on Network and Service Management (CNSM 2026), one of the leading international forums in the field of network and digital service management, where he presented the progress in the European SafeRoute-6G project in the area of cybersecurity for vehicle-to-infrastructure (V2X) communications.

On October 26, 2026, Alcalá de Henares (Madrid, Spain) hosted the 4S-Net workshop, which took place as part of the 22nd International Conference on Network and Service Management (CNSM 2026), one of the world's leading conferences on network and service management.

The International Workshop on Emerging Trade-offs in Networking: Sovereignty, Security, reSilience, and Sustainability (4S-Net) is a specialized international forum that analyses the challenges and trade-offs facing future communications networks, particularly in areas such as digital sovereignty, cybersecurity, resilience, and sustainability.

The event brought together researchers, universities, technology centers, and companies to present advances in key technologies for future 6G infrastructures, artificial intelligence applied to networks, and the protection of critical communications systems.



The participants of the International Workshop on Emerging Trade-offs in Networking: Sovereignty, Security, ReSilience, and Sustainability (4S-Net)

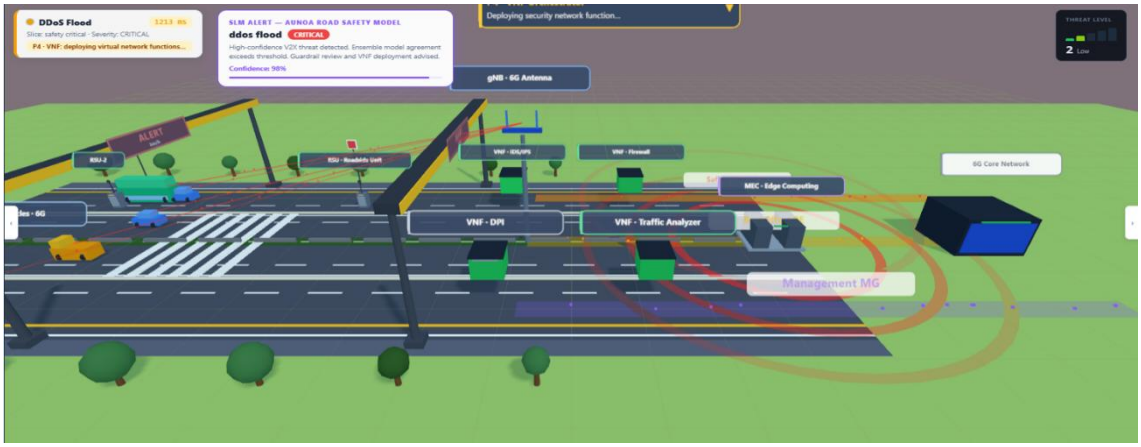
SafeRoute-6G Project: Key Advances in Cybersecurity for Connected Mobility

Aunoa was one of the speakers at the 4S-Net Workshop, where it presented the progress made by the European SafeRoute-6G project in the area of cybersecurity for vehicle-to-infrastructure (V2X) communications. During his presentation, Teo Redondo Pastor, Head of Innovation at Aunoa, gave a talk titled ***"Adaptive SASE-Driven Cybersecurity for V2X Communications in 6G Networks: Architecture and Preliminary Results from the SafeRoute-6G Project"***, in which he presented the initial results of the adaptive security architecture designed to detect, classify, and mitigate cyberthreats in connected mobility environments over 6G networks.

This work is part of the SafeRoute-6G project, an international initiative promoted within the framework of Eureka Celtic-Next, which brings together 23 partners from 8 countries with the aim of developing technologies that improve road safety and accelerate the deployment of connected autonomous mobility. Within this consortium, Aunoa is leading a use case focused on protecting V2X communications against cyberattacks through a comprehensive chain of detection, classification, and automated response.

Among the advancements presented during the workshop, one that stood out was the development of an artificial intelligence-based system capable of identifying anomalous behavior in vehicle-to-vehicle communications using only CPU resources, without the need for cloud infrastructure or GPU accelerators. Preliminary results show a validation accuracy of 97.4% in threat detection and operational autonomy that eliminates the need for human intervention in 98.7% of the cases analyzed.

The architecture developed by Aunoa integrates artificial intelligence capabilities, secure access service edge (SASE) functions, and a digital twin that enables the simulation of complex mobility scenarios. This environment facilitates the generation of synthetic data, the validation of security decisions, and the continuous training of detection models.



Simulation of Aunoa's digital twin for the SafeRoute-6G Project

The SASE platform developed within the project was also presented as a simulation environment, capable of assessing the threat level of each event and automatically activating protective measures such as intrusion detection systems, firewalls, or traffic analyzers. The tests conducted show average decision times of 44 milliseconds and an automatic resolution rate of 98.7%, results that are particularly relevant for critical connected and autonomous driving applications.

SUSTAINET Project: Sustainability, Resilience, and Energy Efficiency for Advanced Networks

The participation of Aunoa in CNSM 2026 also served to strengthen international collaboration on other strategic projects in which the company is involved. Coinciding with the conference, the partners of the European SUSTAINET project held a follow-up meeting to review the progress of activities and coordinate the next phases of work.

This project, which is a flagship project of Eureka Celtic-Next, is focused on developing sustainable technologies for advanced, resilient, and energy-efficient networks, incorporating automation, resilience, and digital innovation capabilities for future communications infrastructures.



Representatives of the SUSTAINET Project (Aunoa Software and Wuerzburg University)

Aunoa strengthens its leadership in European projects

Aunoa's participation in the 4S-Net International Workshop reinforces its position in the field of **artificial intelligence applied to cybersecurity and smart mobility**, as well as its role in European projects aimed at ensuring that future 6G networks are more secure, resilient, and reliable for people, vehicles, and connected infrastructure.

According to the conclusions presented by the research team, the results obtained demonstrate the feasibility of applying artificial intelligence and automated protection mechanisms to respond in real time to threats in V2X environments, laying the groundwork for future cybersecurity solutions in the era of connected mobility.