



Quality on Demand API

Keeping vehicles connected to critical services

Case study for connected vehicles using the CAMARA-standardised Quality on Demand API – [View API Descriptions](#)

Business Problem

Vehicles and drones increasingly rely on high-quality connectivity to support safety-critical coordination, navigation, video streaming, telemetry uploads, and over-the-air software updates. Stable low-latency connectivity is essential to support these requirements.

Impact

At MWC26 Barcelona, the partners, together with automotive specialists DENSO and Tata Elxsi, demonstrated how the system working across heterogeneous networks. By continuously analysing network telemetry and application-level signals, the AI agents had end-to-end visibility of the connected experience and could dynamically adjust network behaviour to maintain predictable performance.

Technical Solution

Mplify, Colt Technology Services, Orange and Google Cloud have developed a system that employs agentic AI, combined with standardised network APIs, to enable automated orchestration of connectivity across wireless and wired networks. The AI-driven agents dynamically request customised mobile connectivity via the CAMARA-based Quality on Demand API and optimize fixed-line private breakout with Mplify-based Network-as-a-Service (NaaS) APIs.

Value

The system shows how business intent can be translated directly into network behaviour, lowering operational friction. The immediate application of corrective actions shortens response times, minimises variability, and helps meet business requirements. The partners believe any environment where communication quality directly affects operational outcomes could benefit from intent-driven orchestration.

“As automotive platforms evolve toward software-defined and AI-enabled architectures, seamless integration between vehicle systems, cloud platforms, and network capabilities becomes essential. This initiative demonstrates how open, standardised APIs and intelligent orchestration can help enable scalable, outcome-driven connected experiences across the broader mobility ecosystem.”

Rajagopalan Rajappa, CTO, Communication Tech & Platforms, Tata Elxsi.

