

Monetizing federated connectivity for automotive OEMs

Telco Monetization challenge: Revolutionize enterprise connectivity by transforming networks into dynamic platforms for 5G B2B solutions through open, standardized APIs. - Achieve a 20% annual increase in API-driven revenue

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Champions:



TOYOTA



Participants:



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The solution:

This Catalyst enables automotive OEMs to deploy low-latency vehicle services seamlessly across networks by standardizing API access to telecom capabilities. By introducing a federated model built on GSMA Open Gateway and TM Forum assets, it unlocks scalable monetization for CSPs and real-time service orchestration across borders.



Addressing the challenge:

The solution is a federated MEC architecture using GSMA Open Gateway, CAMARA, TM Forum, and 3GPP/ETSI MEC standards—enabling real-time resource federation, usage-based billing, and new edge-service revenue streams.

Vodafone Procure & Connect (VP&C) acts as the federation broker, orchestrating cross-operator slice and application deployments.

Designed for the AECC scenario and Automotive OEMs like Toyota, this solution unlocks pay-per-use edge monetization.

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Expect

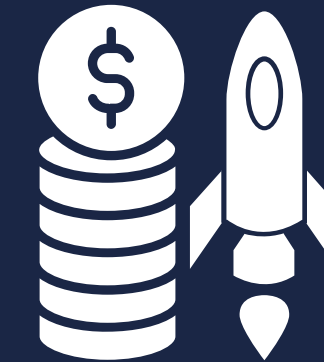
~10-15%

lower integration costs



~20%

faster rollouts



3-5%

ARPU uplift via real-time, usage-based edge monetization.

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The most important direct benefits of the Catalyst are:

1. **Seamless Global Connectivity:** Reliable, low-latency performance across operators and regions.
2. **Network-Agnostic Application Deployment:** CAMARA APIs allow OEMs to scale services without network-specific customization.
3. **Transparent Monetization:** Real-time usage metering enables accurate, automated billing.
4. **Rapid, Cost-Effective Deployments:** Standardized APIs reduce integration time and cost.
5. **Centralized Operational Visibility:** Fleet-level insights for efficient resource and connectivity management.



Lei Zhong

*Liaison Relationship Strategy
Committee Chair*



Champions:



TOYOTA



Participants:

