

Connected Cars & 5G

Open innovation partnership between Orange & Ericsson to test 5G network technologies for connected vehicle applications

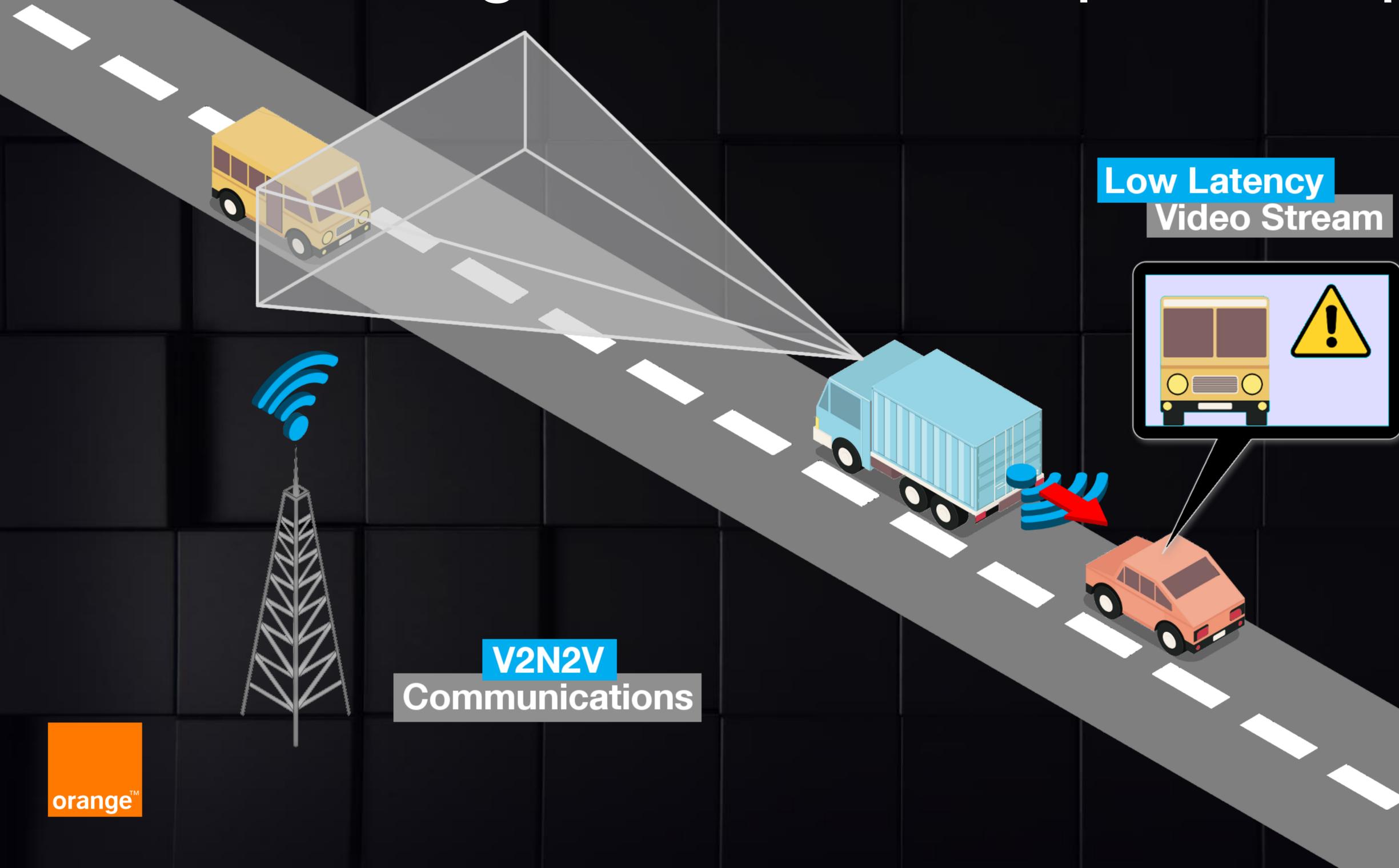
The partnership conducts 5G technology pilot to leverage 4G to 5G technology evolution and addresses connected vehicle requirements to improve road safety, as well as new automotive connected services for better user experience.

We conduct live testing using a test track on a French site, equipped with an end-to-end wireless experimental network integrating: LTE, C-V2X and future 5G.



FNC 2018

Seethrough use case: cooperative perception

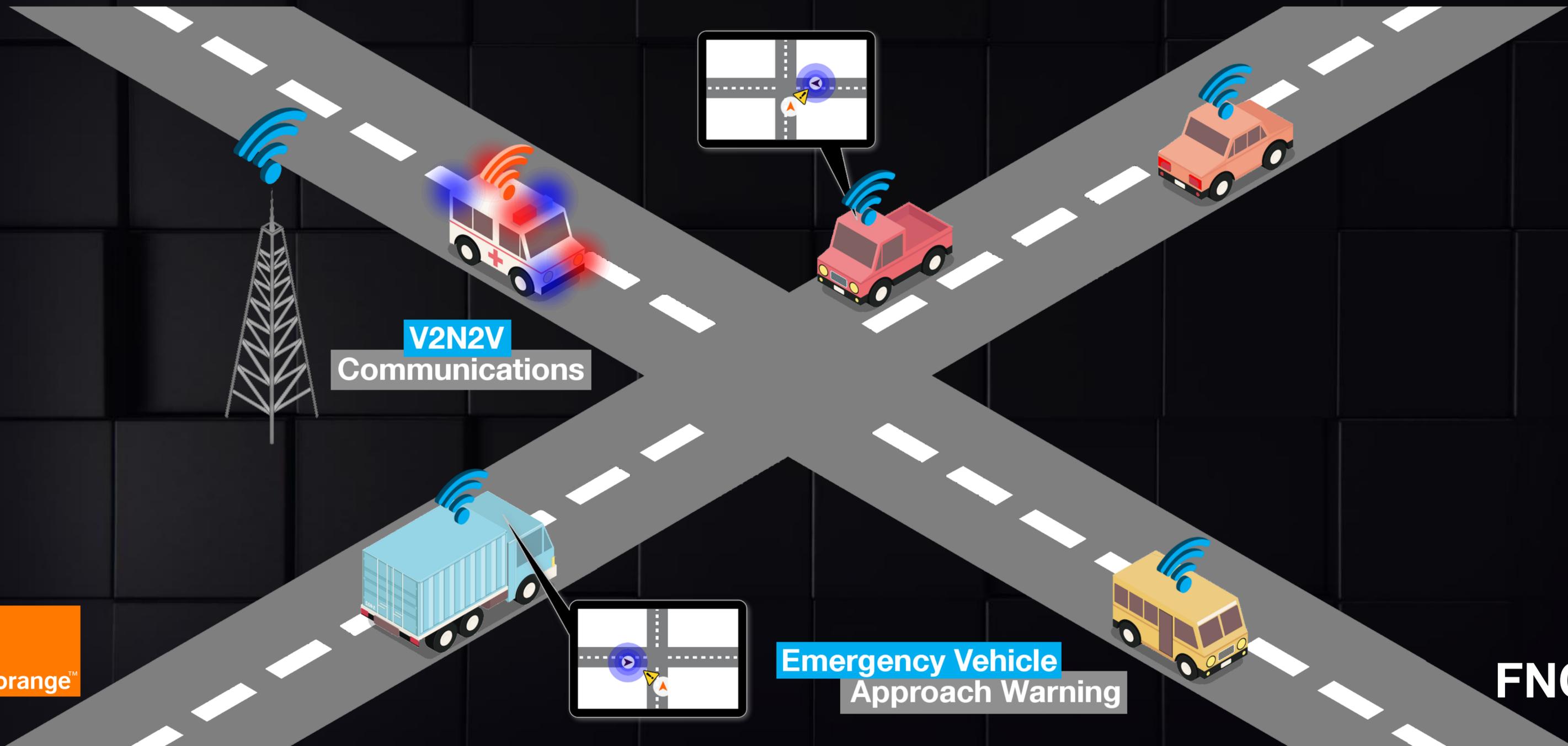


V2N2V
Communications

Low Latency
Video Stream



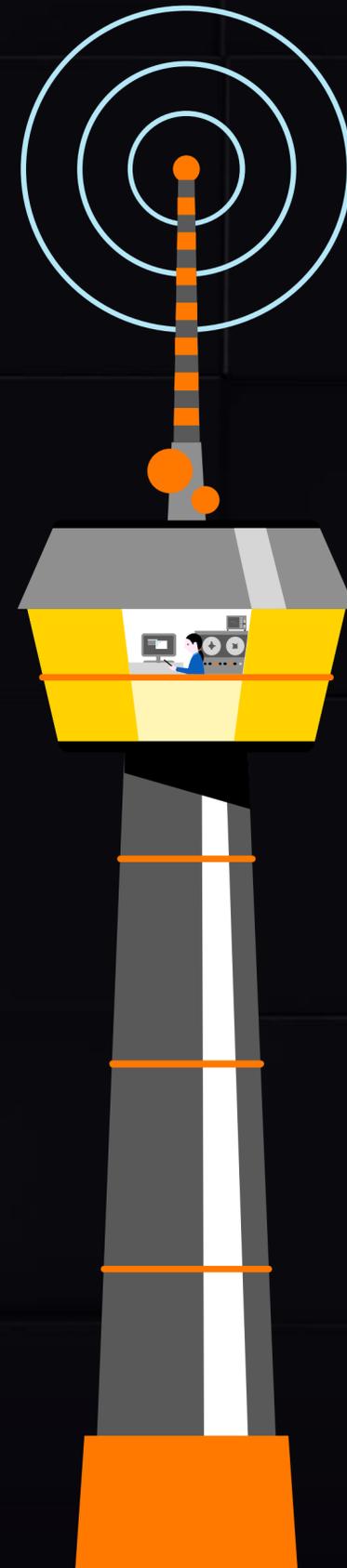
Emergency vehicle approaching use case



Main outcomes

Split of the data and control plane
reduces the delay

Network slicing brings **advanced QoE** in the management of the differentiated traffic compared to basic QoS policy



Next Steps

LTE-V2V (Rel.14) to assess the enhanced performance in terms of latency and communication range

Virtualized RAN capability to assess advanced features of radio resource allocation

New experimental **5G platform** in CEVA at Montlhéry with UTAC & Ericsson

European research project **5GCar**
5G V2X architecture
Multi link multi RAT
Security/privacy

