

The 5GAA, bridging the automotive and ICT Industries



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5GAA Board Member

5GAA connects the telecom industry and vehicle manufacturers to work closely together for developing end-to-end solutions for future mobility and transportation services



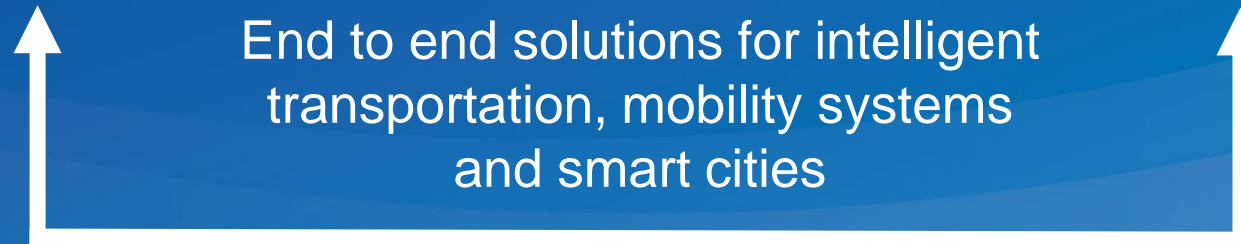
AUTOMOTIVE INDUSTRY

Vehicle Platform, Hardware and Software Solutions



TELECOMMUNICATIONS

Connectivity and Networking Systems, Devices and Technologies



From 8 founders in 2016 to >70 companies in Q1 2018

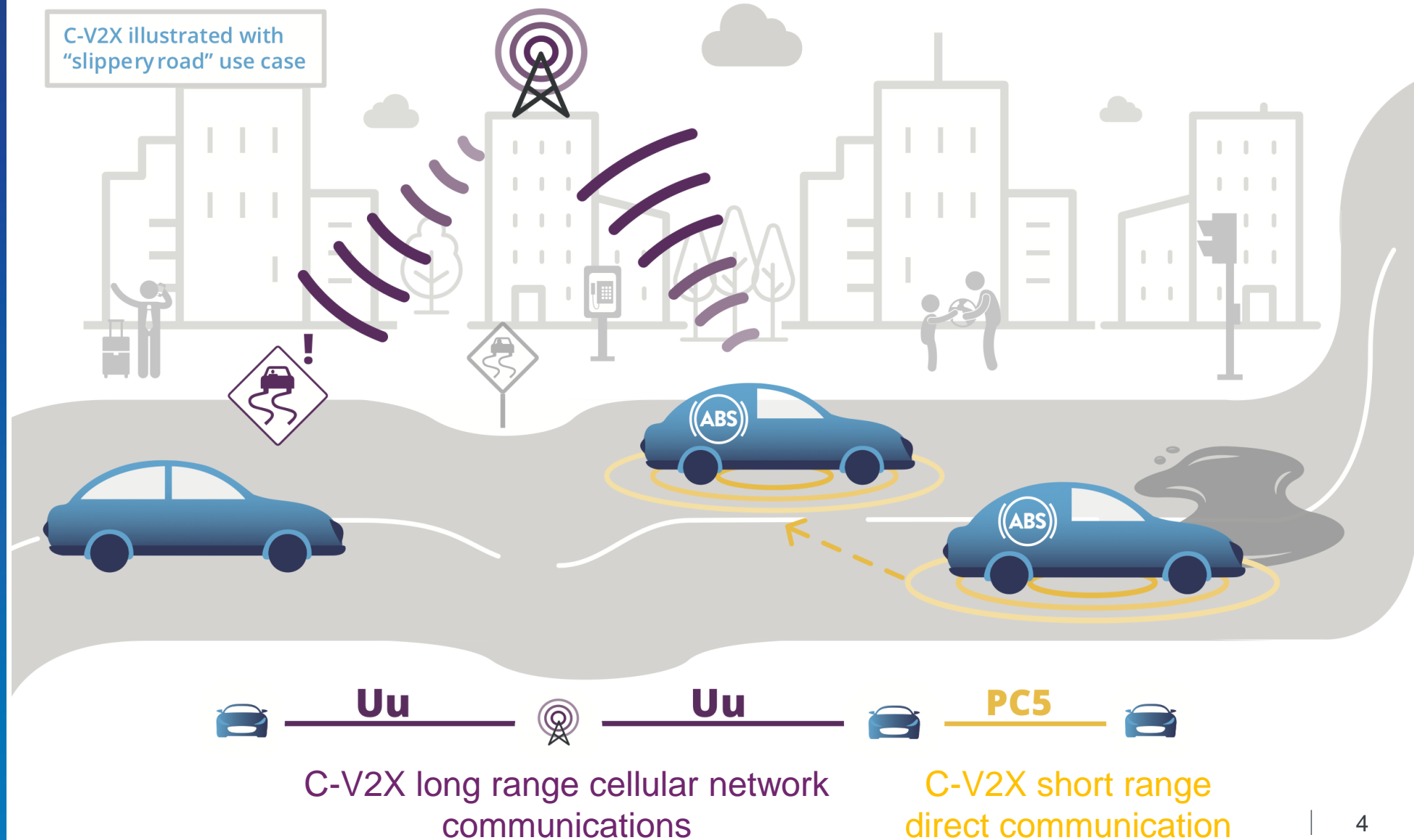


Cellular Vehicle-to-Everything (C-V2X)

Allows vehicles to communicate with each other (V2V) and the wider transport ecosystem (V2P, V2I, V2N)

C-V2X is a **unified technology platform** including:

- Short range direct communications (LTE-V2X PC5)
- Long range cellular network communications (LTE-V2X Uu)



5GAA's EU policy recommendations for C-ITS

Legislation to specify connectivity requirements for C-ITS (including any 'hybrid approach' which equates 802.11p with short range applications and cellular with long range applications) would run contrary to the principles of the ITS Directive and go against the core principle of **technology neutrality** in Europe.

A policy of co-existence should be favoured. A study carried out for the 5GAA shows that **co-existence** of **802.11p** and **C-V2X** at 5.9 GHz would deliver the highest **socio-economic benefits** (€43 bn), compared to scenarios where only one technology is **mandated**.

Reduced infrastructure deployment costs arising from re-use of existing mobile infrastructure are a further key benefit of C-V2X, leveraging cellular technology integration and economies of scale, rather than building independently operated roadside infrastructure.

Such an approach facilitates an **evolutionary path towards 5G** which represents the future of connected, cooperative and automated mobility.

5GAA Strategy



New Radio

“Define the next step” -
accelerate definition of
5G-V2X based on 5G
New Radio



Push V2N

Intense functional rollout of
V2N based applications
in order to reach broad
penetration fast



Joint Ecosystem

Create a joint eco system
**car – smartphone -
home**



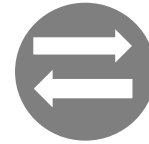
Vehicle to Smart Device

**V2X-based vehicle
interface** for
smartphone controlled
functions



Mobile Edge Computing

Mobile Edge Computing as
one of the **key elements**
of the **connected future**



Interoperability

Make sure that **cross OEM**
cars and **cross operator**
networks can „speak“ with
each other





Thank you !

For more information please contact:

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