



A global cross-industry association shaping the future global standards for C-V2X use in connected and autonomous vehicles

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5GAA Secretary, Executive Committee Member

WHAT IS **5GAA**

Automotive Association

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



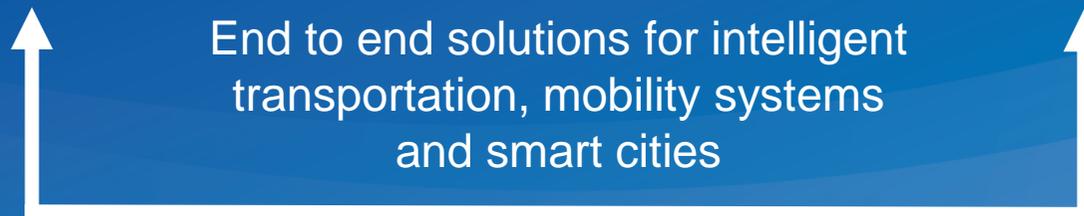
AUTOMOTIVE INDUSTRY

Vehicle Platform, Hardware and Software Solutions



TELECOMMUNICATIONS

Connectivity and Networking Systems, Devices and Technologies



5G Automotive Association (5GAA)

September 2016

- “Audi, BMW Group, Daimler AG are teaming with Ericsson, Huawei, Intel, Nokia, and Qualcomm to create the 5G Automotive Association (5GAA), which will help develop, test, and promote 5G standards”
- “Scope of the alliance is focused on bringing connectivity solutions to market addressing technical, business, and regulatory challenges”



End 2017

- › More than 60 member companies
- demonstrates the success of the 5GAA as a global, cross-industry organisation



5GAA Organizational Structure



BOARD

EXECUTIVE COMMITTEE

GENERAL ASSEMBLY



WG1

Use Cases and Technical Requirements



WG2

System Architecture and Solution Development



WG3

Evaluation, Testbeds and Pilots



WG4

Standards and Spectrum



WG5

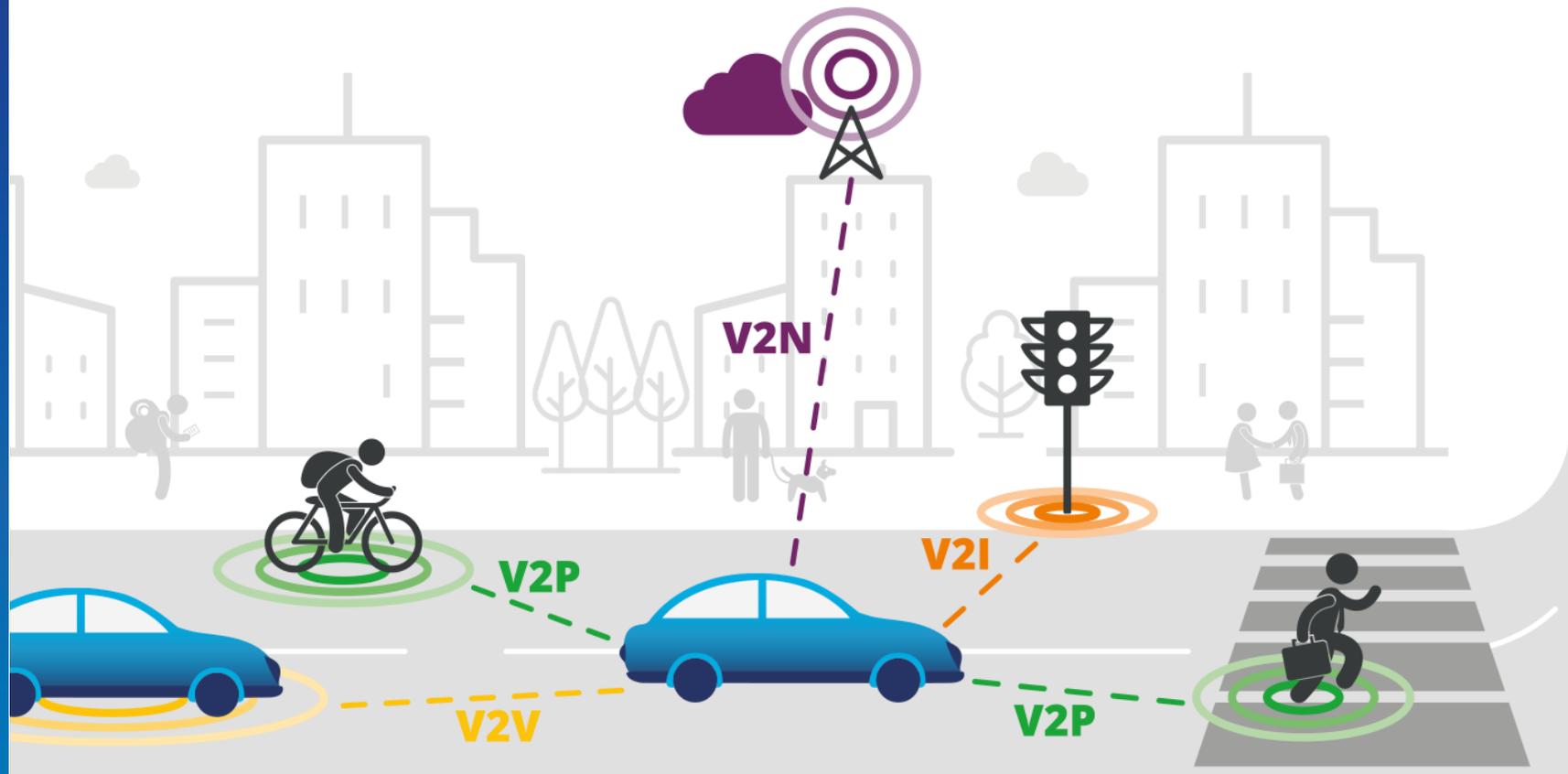
Business Models and Go-To-Market Strategies

V2X (Vehicle to Everything)

Comprehensive
vehicle and traffic
safety

Accelerates
autonomous driving

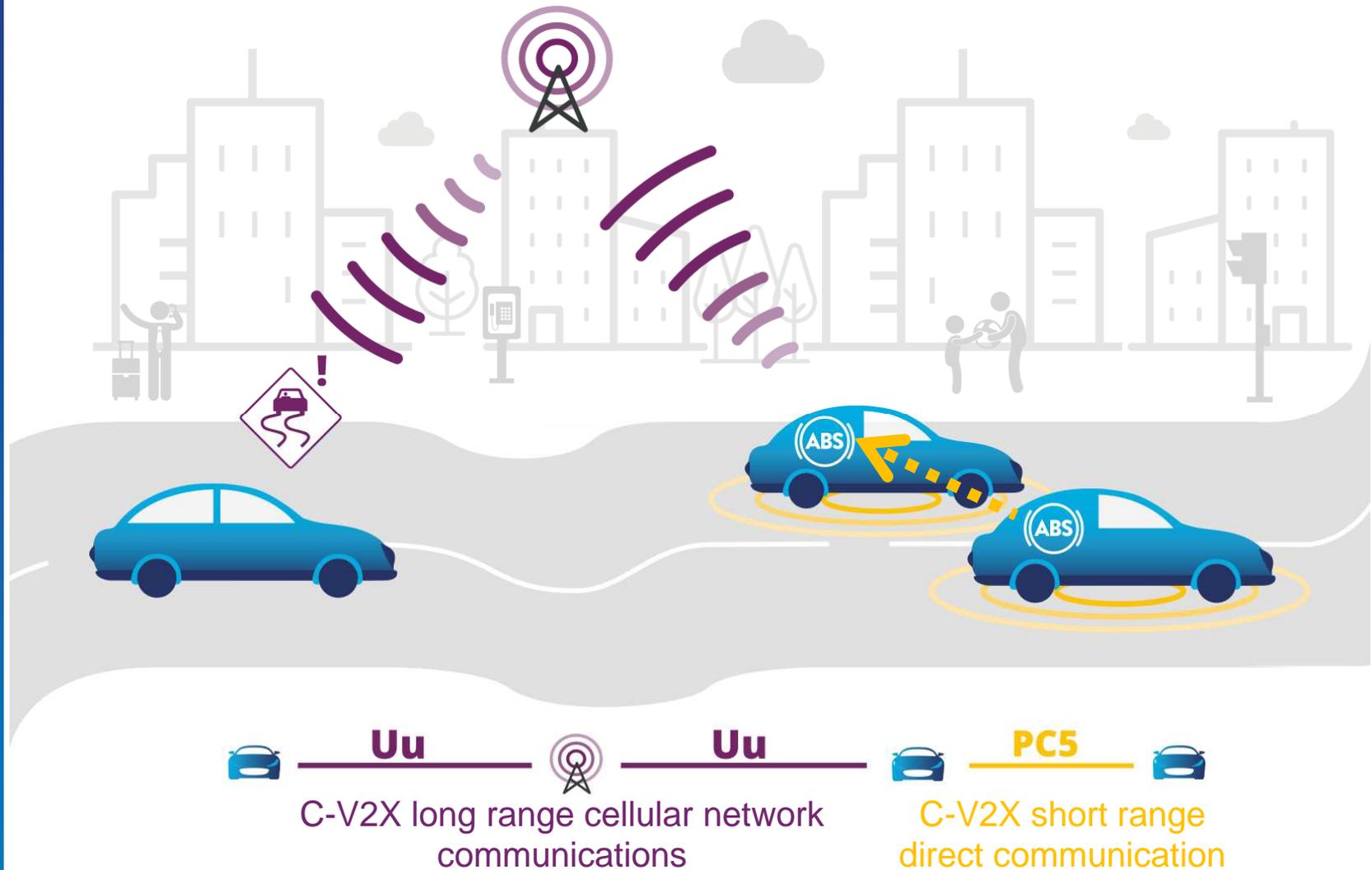
Allows vehicles to
communicate with
each other (V2V)
and the wider
transport ecosystem
(V2P, V2I, V2N)



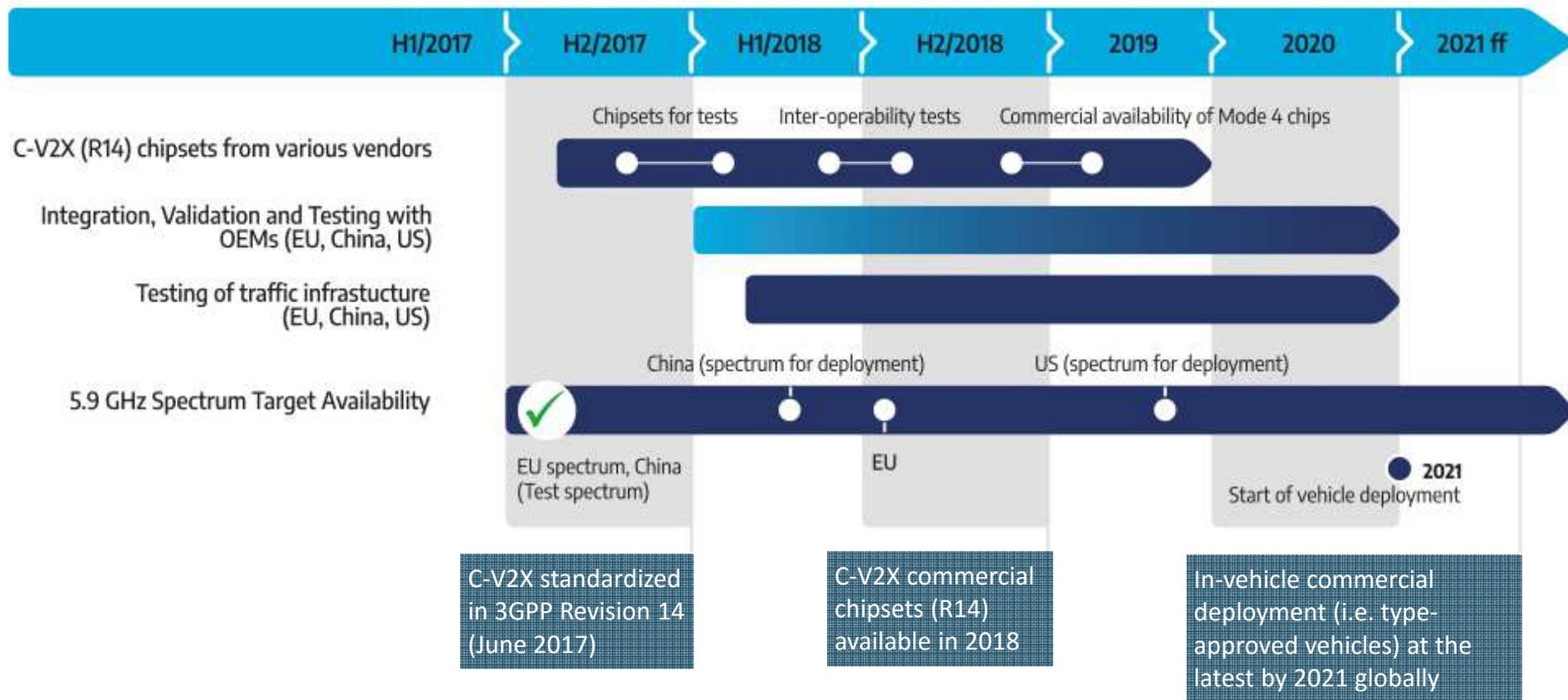
Why Cellular V2X (C-V2X)?

C-V2X is a unified technology platform including both:

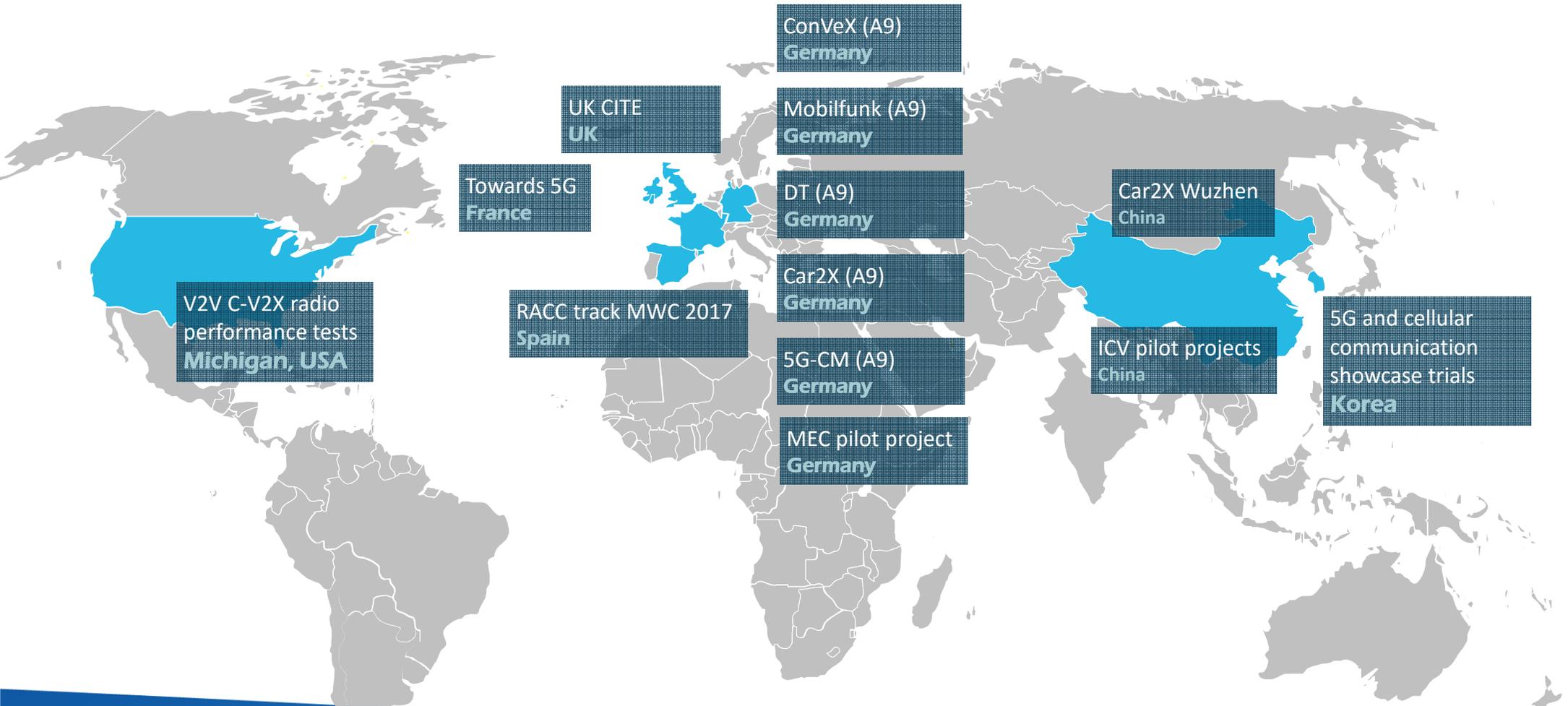
- Short range direct communications (LTE-V2X PC5)
- Long range cellular network communications (LTE-V2X Uu)



Timeline for deployment of C-V2X (V2V/V2I)

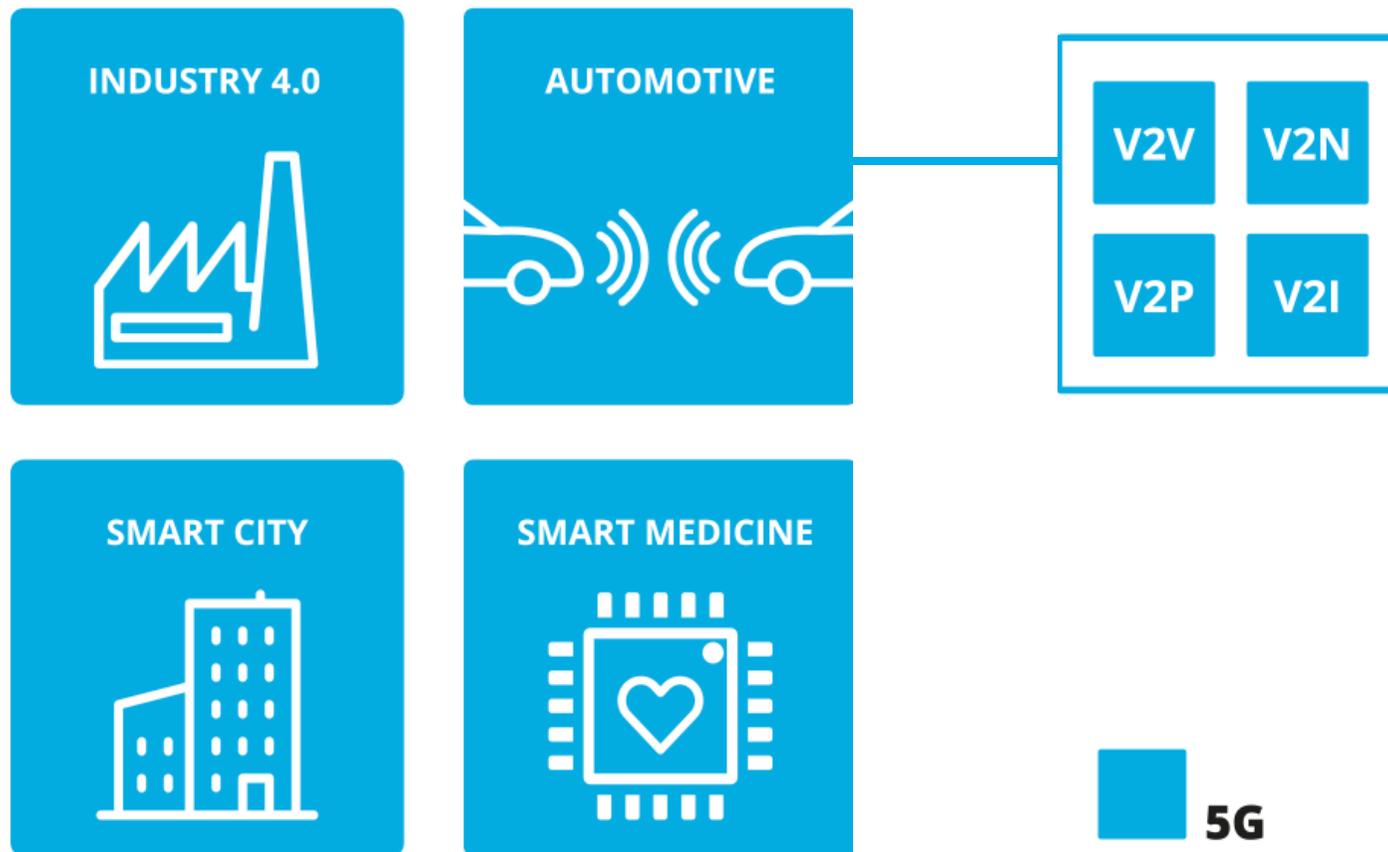


Worldwide C-V2X Trials



5G for Major Industry Verticals

C-V2X and its evolution to 5G V2X will foster synergies between the automotive industry and other verticals which are moving to 5G





Thank you !

For more information please contact:

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