

"We make the world a safer place."

We verify vehicle to "anything" technology and help save lives.

Current situation

V2X – Vehicle to anything



Vehicle to Vehicle:

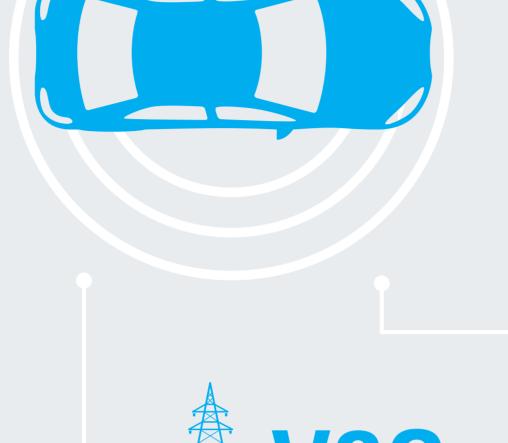
- Alerts one vehicle to the presence of another.
- Cars "talk" using DSRC technology or LTE Rel 14.

2022 **V L U I V L**

Vehicle to Device / Vehicle to Pedestrian:

- Vehicles communicate with cyclists' V2D device and vice versa.
- Car communication with pedestrian with approaching alerts and vice versa.
- Pedestrian safety
- 500 mil Smartphone users in the EU





V2H Vehicle to Home:

- Vehicle will act as supplement power supplies to the home. Cars "talk" using DSRC technology
- or LTE Rel 14.

V2G Vehicle to Grid:

Smart grid controls vehicle

- charging and return electricity to the grid.
- 75% of cars built with internet connectivity by 2020.

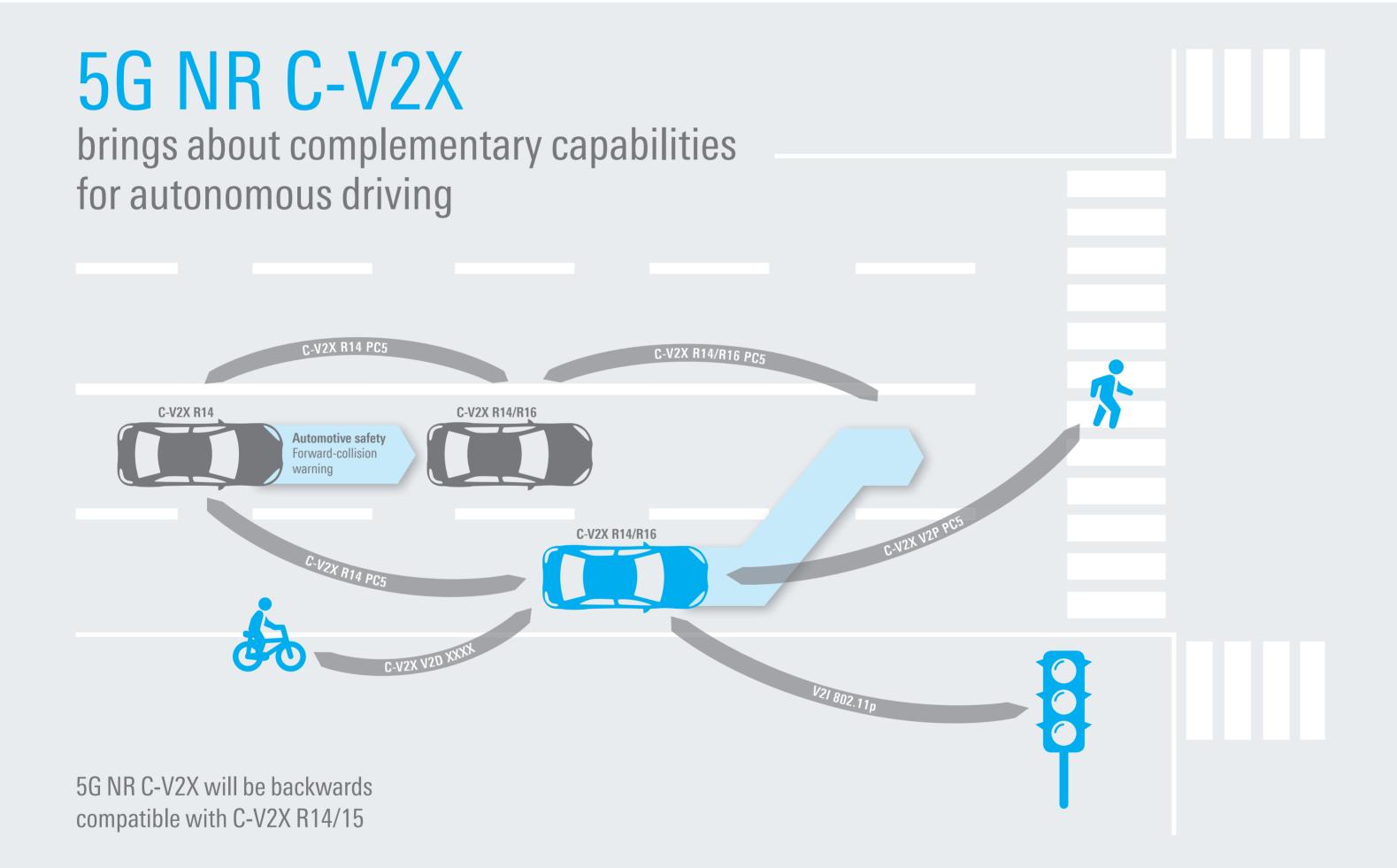
Did you know?

Using V2X in addition to current ADAS solutions will increase potential accident coverage from 60% to 96%.

80% of T-junction accidents could be avoided if V2X technology is used.

Platooning has been shown to save up to 20% fuel.

Future vision



Our expertise

work in 1933

Started pioneering

300 launches a year

70 locations worldwide

More than

11,000 employees worldwide

Our contribution — generating signals for today and tomorrow

Conformance und performance tests with

R&S®CMW wideband radio communication tester

R&S®SMW200A vector signal generator



We make the world a safer place. For more information, visit our website: www.rohde-schwarz.com/NextGeneration-V2X