

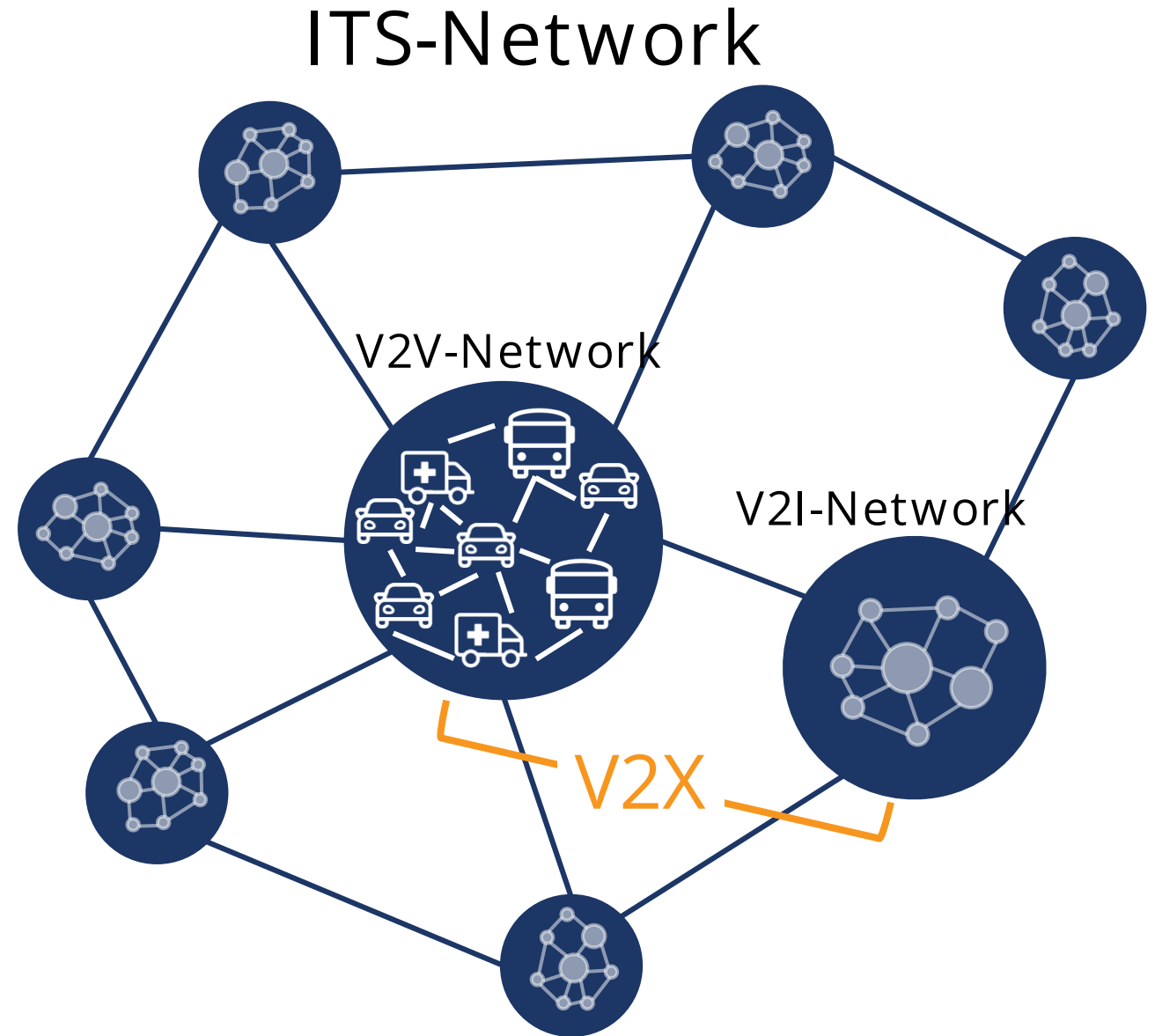
INTELLIGENT FUTURE TRANSPORTATION SYSTEMS

V2V | V2X-Communication



ITS – Communication

The V2V-Network is a subnet of the V2X-Network, which is one contributor to the overarching ITS-Network

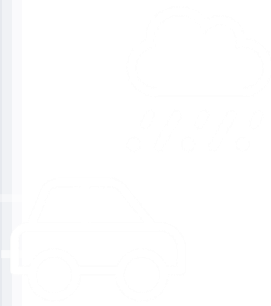




V2X - the sixth sense for road safety



V2X – the sixth sense for road safety





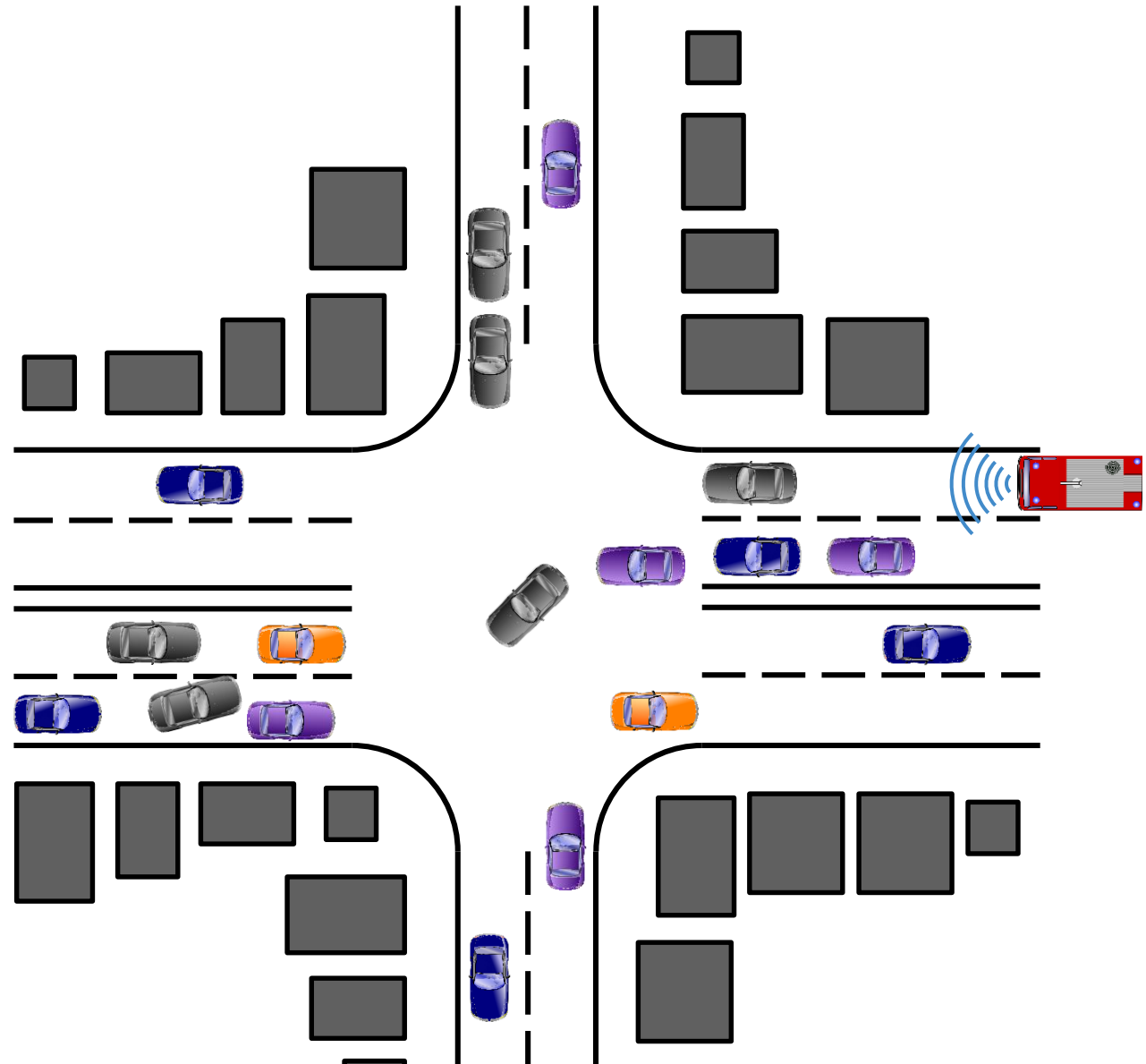
V2X – the sixth sense for road safety



With Communication, road users are better connected, especially with regard to emergency vehicles and safety and sustainability could be increased for each individual road user.

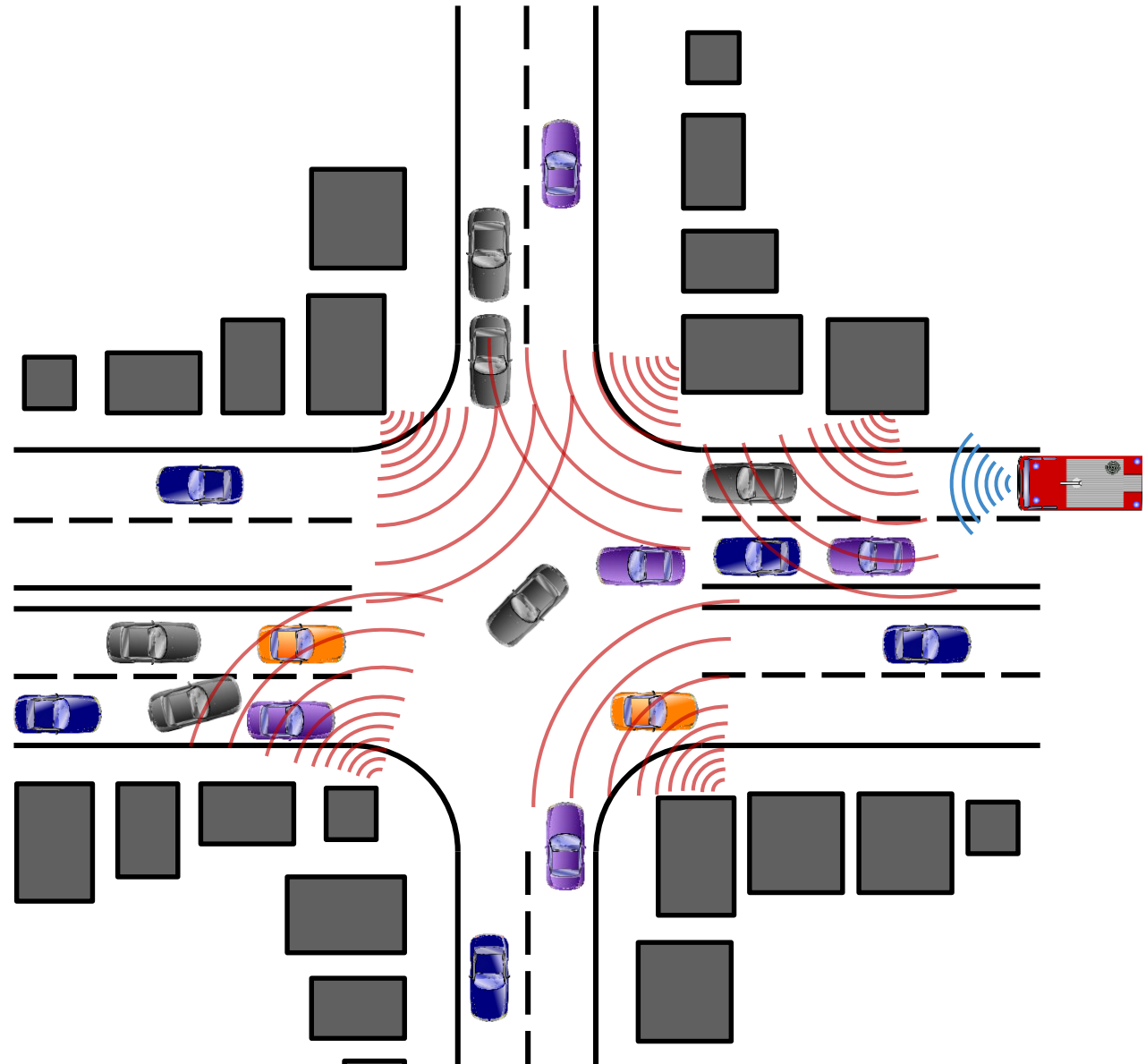


V2X – Example of Emergency Traffic Management



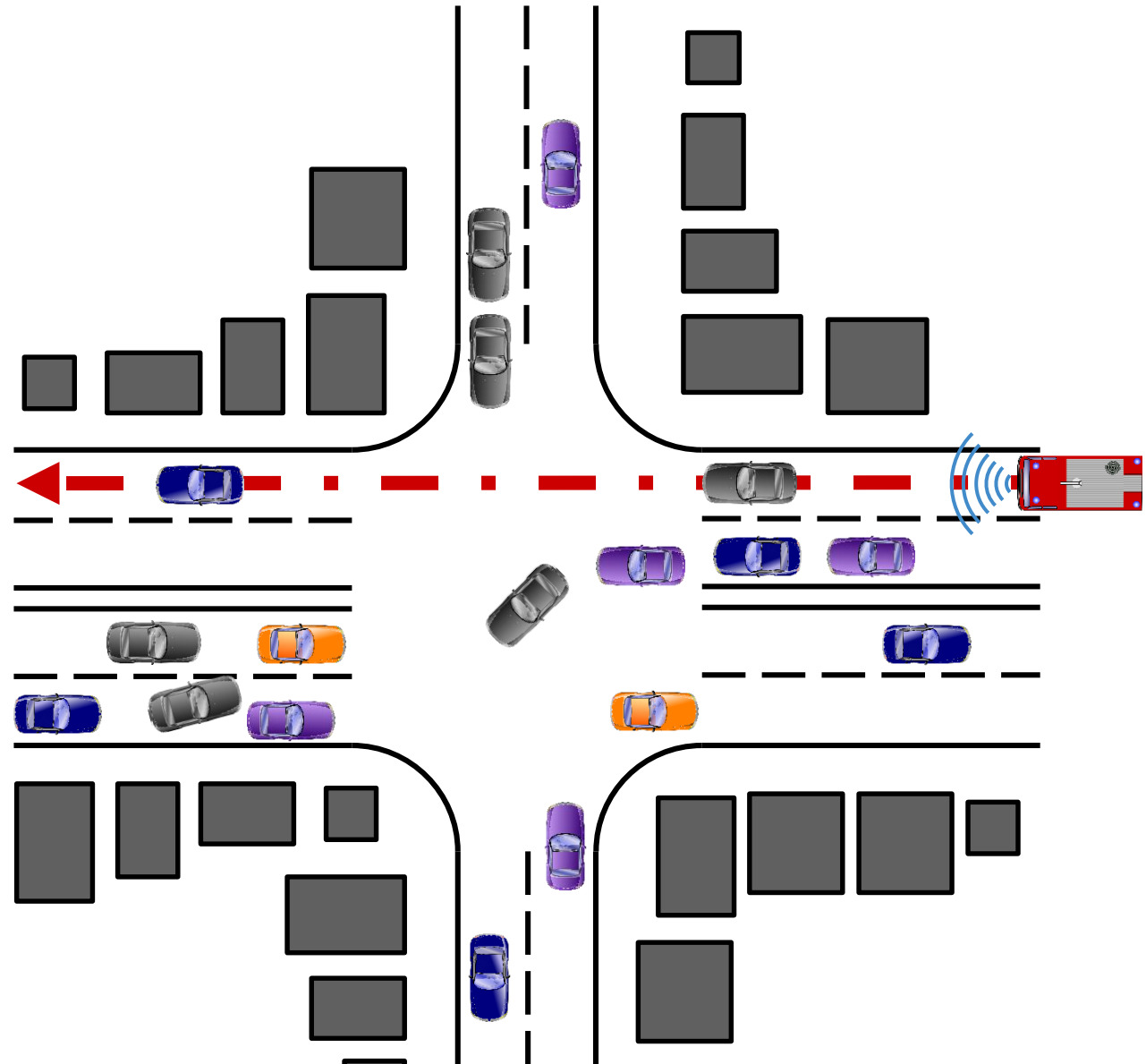


V2X – Example of Emergency Traffic Management



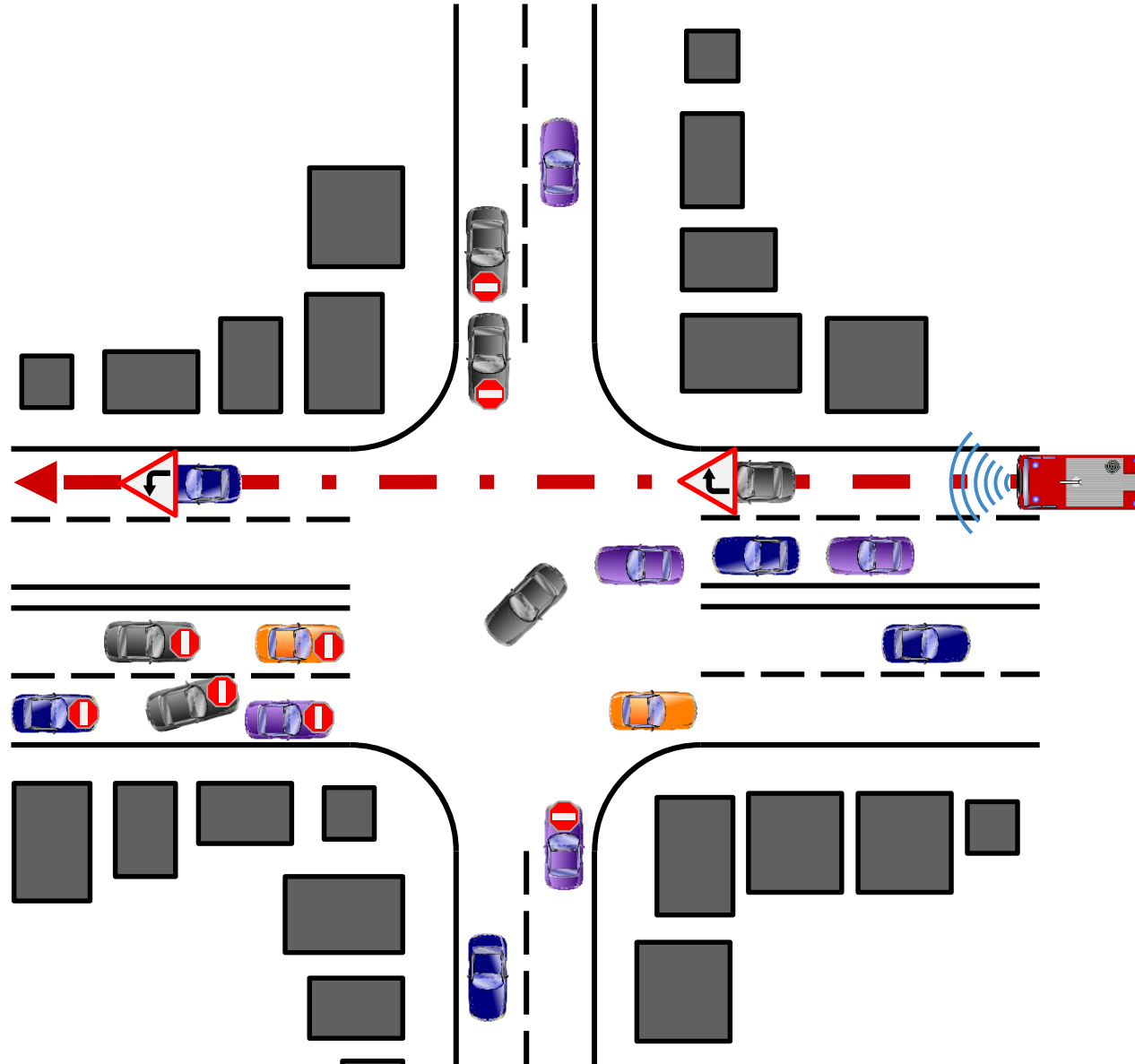


V2X – Example of Emergency Traffic Management





V2X – Example of Emergency Traffic Management





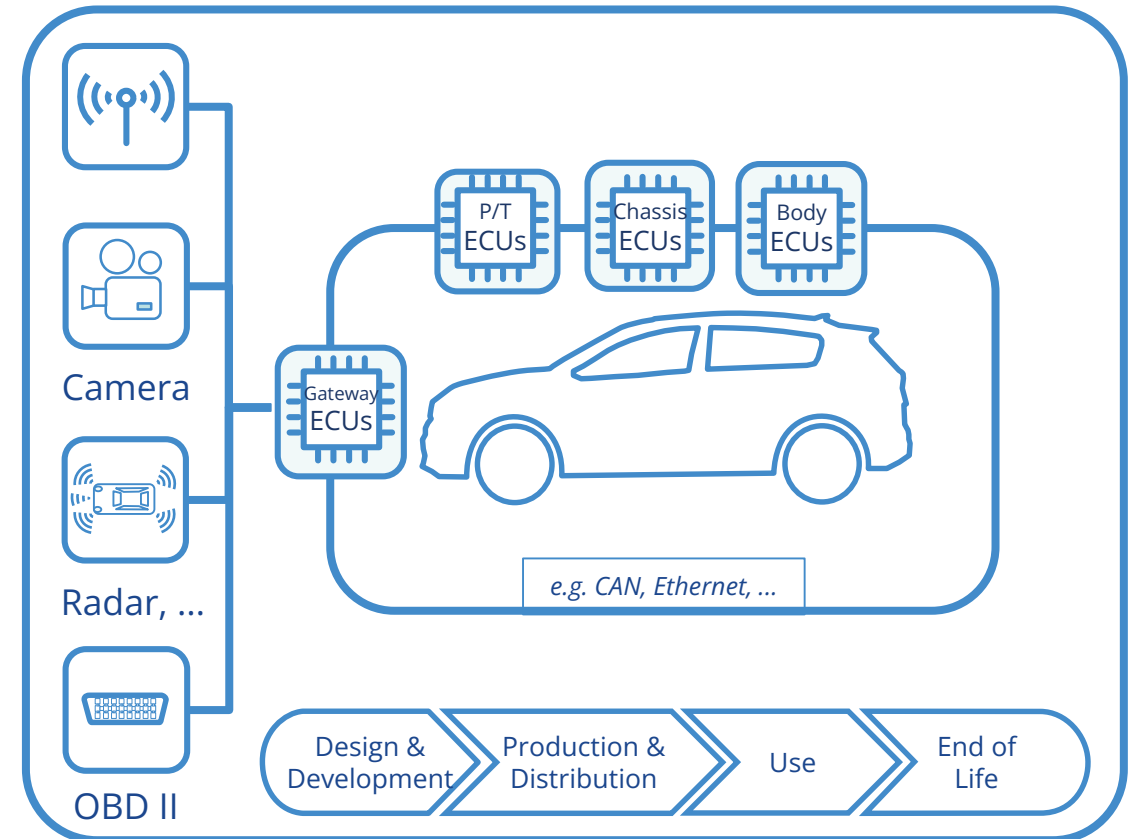
V2X – Advantages

- Improved environment perception - Increasing safety with the 6th sense
- Improvement of Emergency Service
- Better logistics and Traffic flow management (e.g. Platooning) with lead to high traffic efficiency and less pollution by vehicles
- Parking management



Expand the view

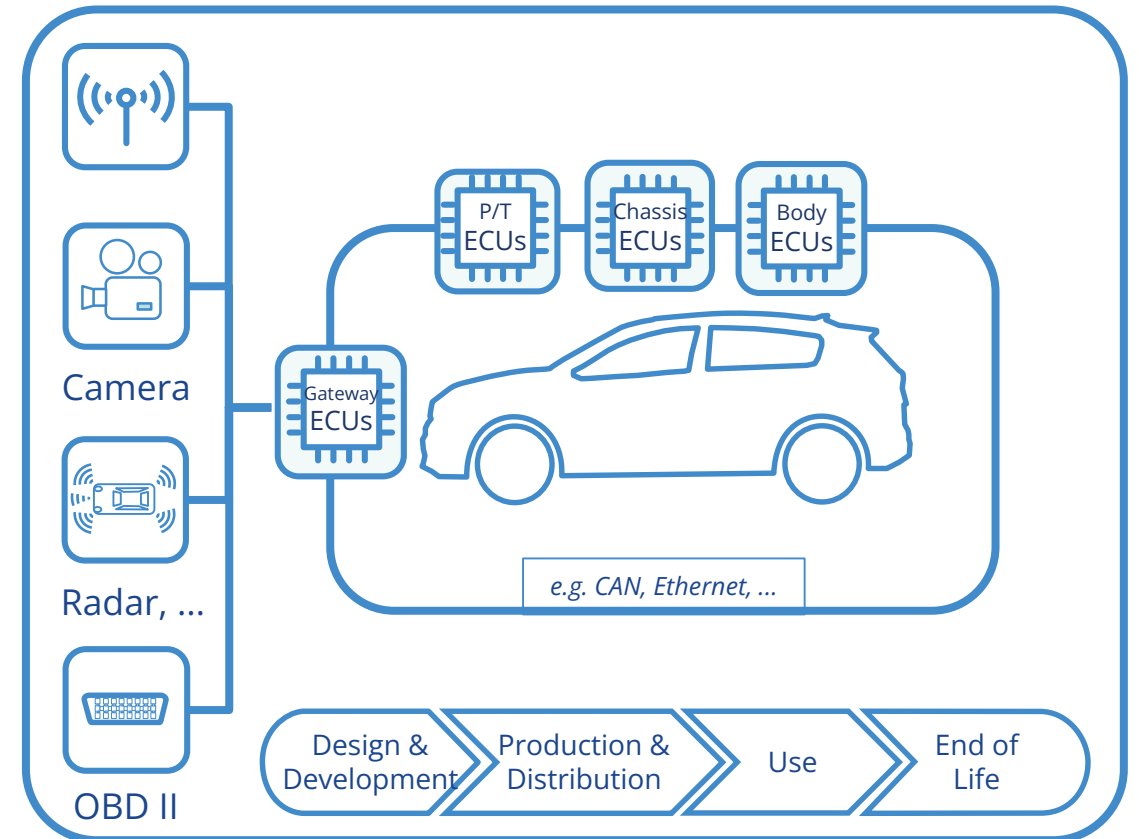
- Current vehicle regulation cover parts and systems only (e.g. Automated Driving)





Expand the view

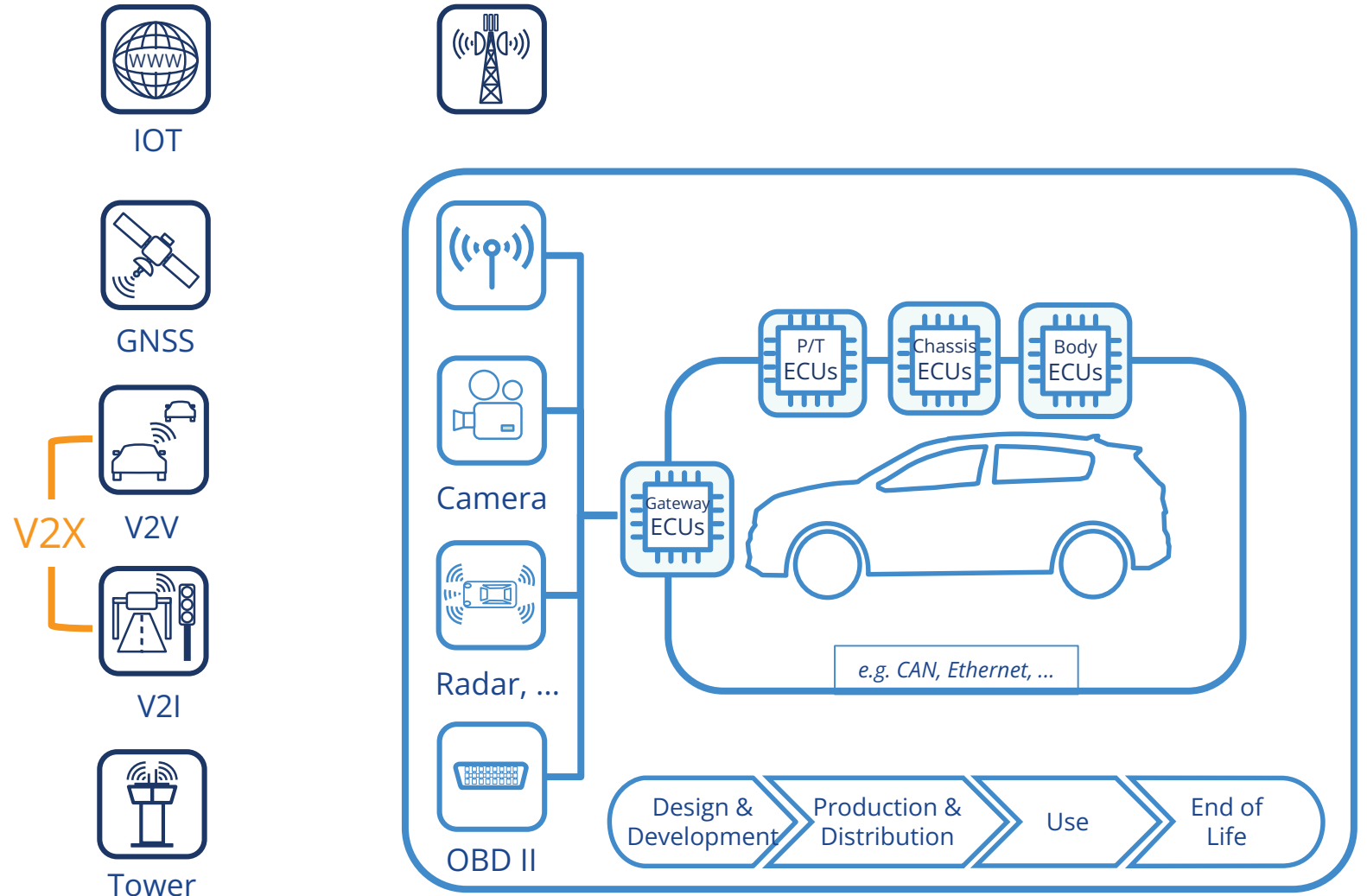
- Current vehicle regulation cover parts and systems only (e.g. Automated Driving)
- Single Systems are just part of the sustainable mobility in the future





Expand the view – „Anything around the vehicle“

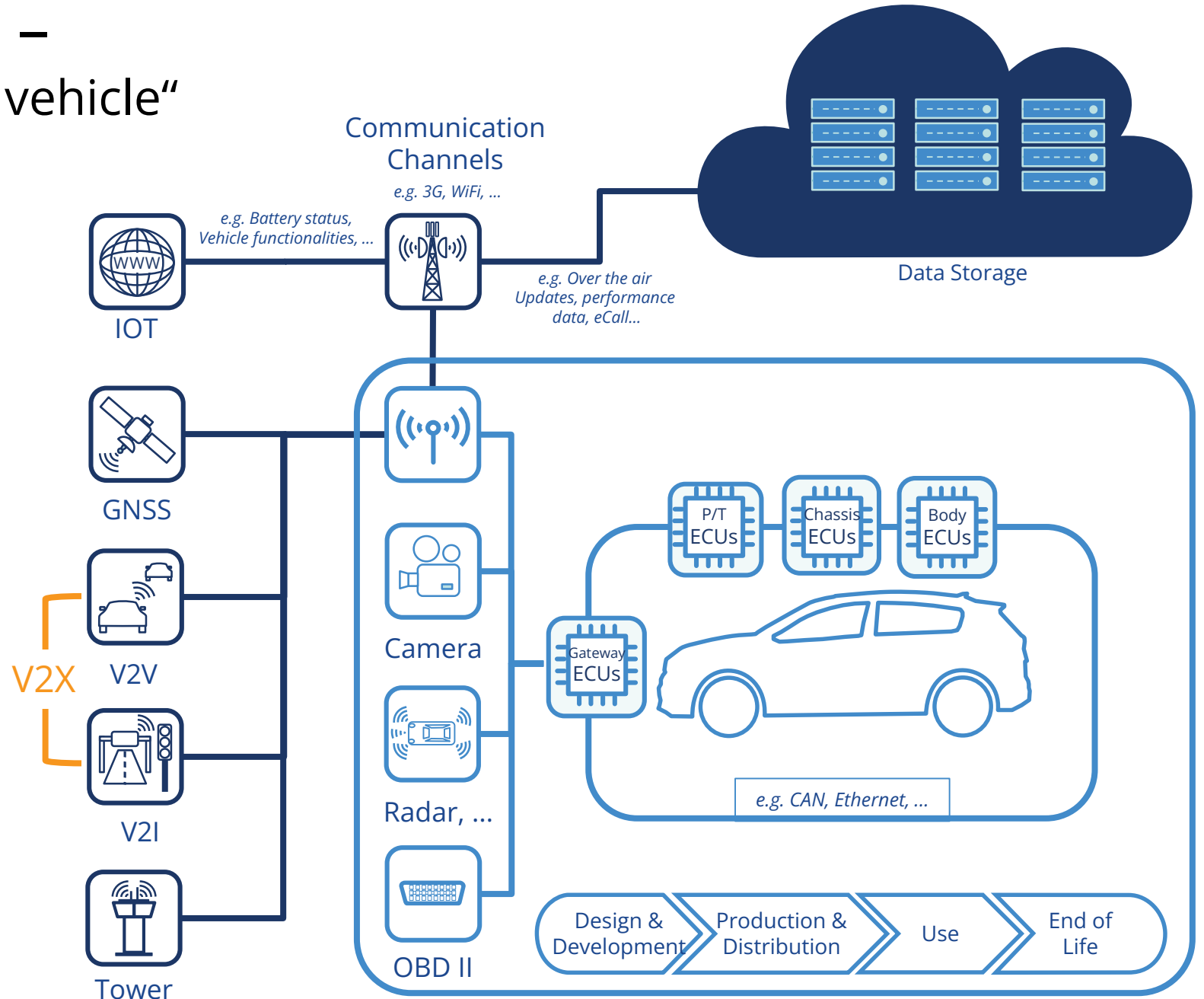
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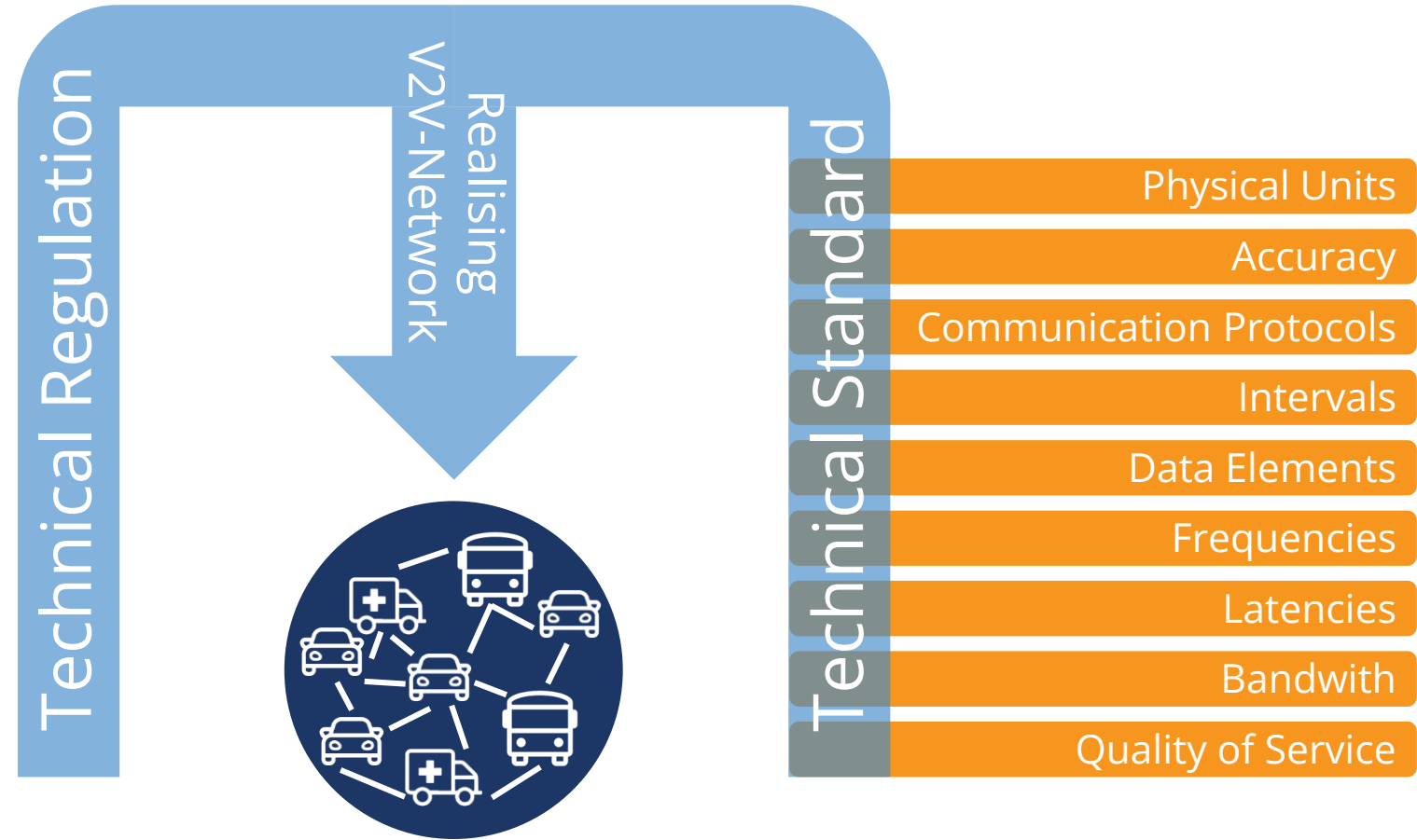
Expand the view – „Anything around the vehicle“

- Current vehicle regulation cover parts and systems only (e.g. Automated Driving)
- Single Systems are just part of the sustainable mobility in the future
- A development of the eco-system „around the vehicle“ enhances road safety, traffic management and decarbonisation in the future





Regulation of V2V



As V2V communication extends beyond the vehicle, definitions and high-level technical provisions find their best place in international standards, Industry commits to actively contribute to the harmonization of V2V communication.

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 **CLEPA**
European Association of Automotive Suppliers

Thank you