Increased safety, increased efficiency and fewer traffic jams are achieved through the implementation of cooperative systems for communication of infrastructures, with motor vehicles and road users.

Sources: Siemens AG

Future of Infrastructure

Transport is fundamental to economic growth and quality of life

Vehicle-to-X refers to an intelligent transport system where all vehicles and infrastructure systems are interconnected with each other. This connectivity will provide more precise knowledge of the traffic situation across the entire road network which in turn will help:

- Optimize traffic flows
- Reduce congestion
- Cut accident numbers
- Minimize emissions

Vehicle-to-X (V2X) communication technology

In the EU it represents...

The effects on Germany's A9 highway show how much intelligent traffic information and guidance systems are capable of achieving.

Siemens provides complete solutions and develops solutions for eco communication systems of cooperative infrastructure systems.

Tomorrow

Automated Driving

Beyond Autonomous Driving

of every household's budget

...but results in important challenges

Siemens implemented the first fully dynamic IU-System

Urban Car2X will further improve the traffic systems and avoid even more accidents.

Long term vision for Sitraffic

The need for more intelligent control solutions arises from complex traffic situations at urban intersections

Vehicle2X / Car2X technology enables vehicles to automatically pass along messages regarding road conditions, traffic flow, and obstacles before these appear in the driver's visual range. Vehicles receive signals from intelligent road signs.

Rail2X, Ship2X and Airplane2X will use the same technology as Car2X. The basic definition for the application of this technology is currently in progress.

Already in development Currently commencing

Rail2X, Ship2X, Airplane2X Car2X

13% of total employment (that's 10 million employees)

4.5 % 4.6 %

47% of total employment (that's 10 million employees)

31% fewer people injured at roads

35% fewer accidents

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After the year 2020, thanks to automatic/autonomous driving systems and intelligent vehicle communication, the level of automotive safety will increase even further.

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