

### VOLKSWAGEN

AKTIENGESELLSCHAFT

Monique Engel Volkswagen AG

Final Event Aachen, Germany 28 June 2017

# Adapt<mark>/</mark>/Ve

Automated Driving Applications and Technologies for Intelligent Vehicles

V2X Communication in Highway Scenarios Cooperative Merging Service



## // Automation in highway scenarios: Merging Maneuvers

This situation is hard to solve for an automated vehicle (state of the art)

Adapt<mark>/</mark>!/Ve

Int, Aachen

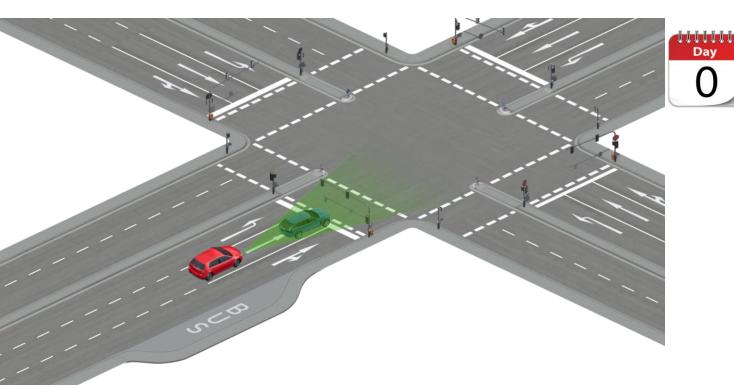
## // Automation in highway scenarios: Merging Maneuvers

Solution: Communication between vehicles

Adapt<mark>/</mark>!/Ve

ut, Aachen

## //V2X Communication in AdaptIVe Evolution and Benefit



Onboard Perception Sensors

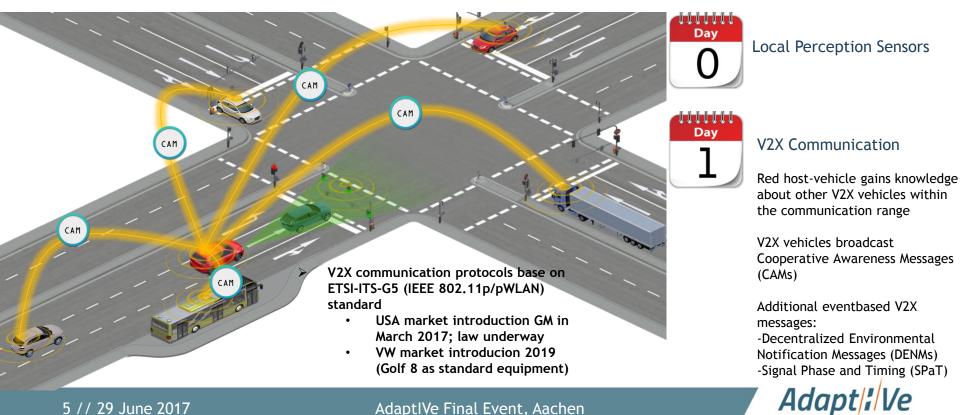
Red host-vehicle knows about objects detected by its local perception sensors



4 / / 29 June 2017

AdaptIVe Final Event, Aachen

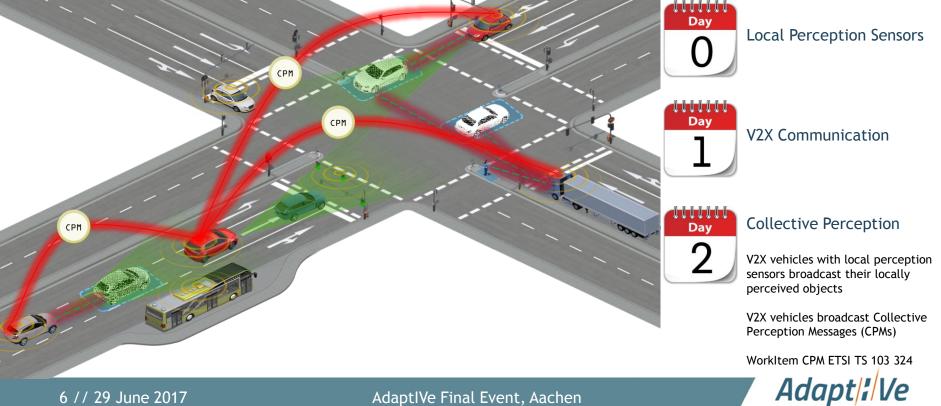
## //V2X Communication in AdaptIVe **Evolution and Benefit**



#### 5 // 29 June 2017

AdaptIVe Final Event, Aachen

### //V2X Communication in AdaptIVe **Evolution and Benefit**



6 // 29 June 2017

AdaptIVe Final Event, Aachen



# Adapt<mark>¦</mark>Ve

Automated Driving Applications and Technologies for Intelligent Vehicles

### Thank you.

### Monique Engel monique.engel@volkswagen.de

