

# MAVEN – city of Helmond perspective

## MAVEN stakeholder consultation workshop

15 November 2016, Barcelona

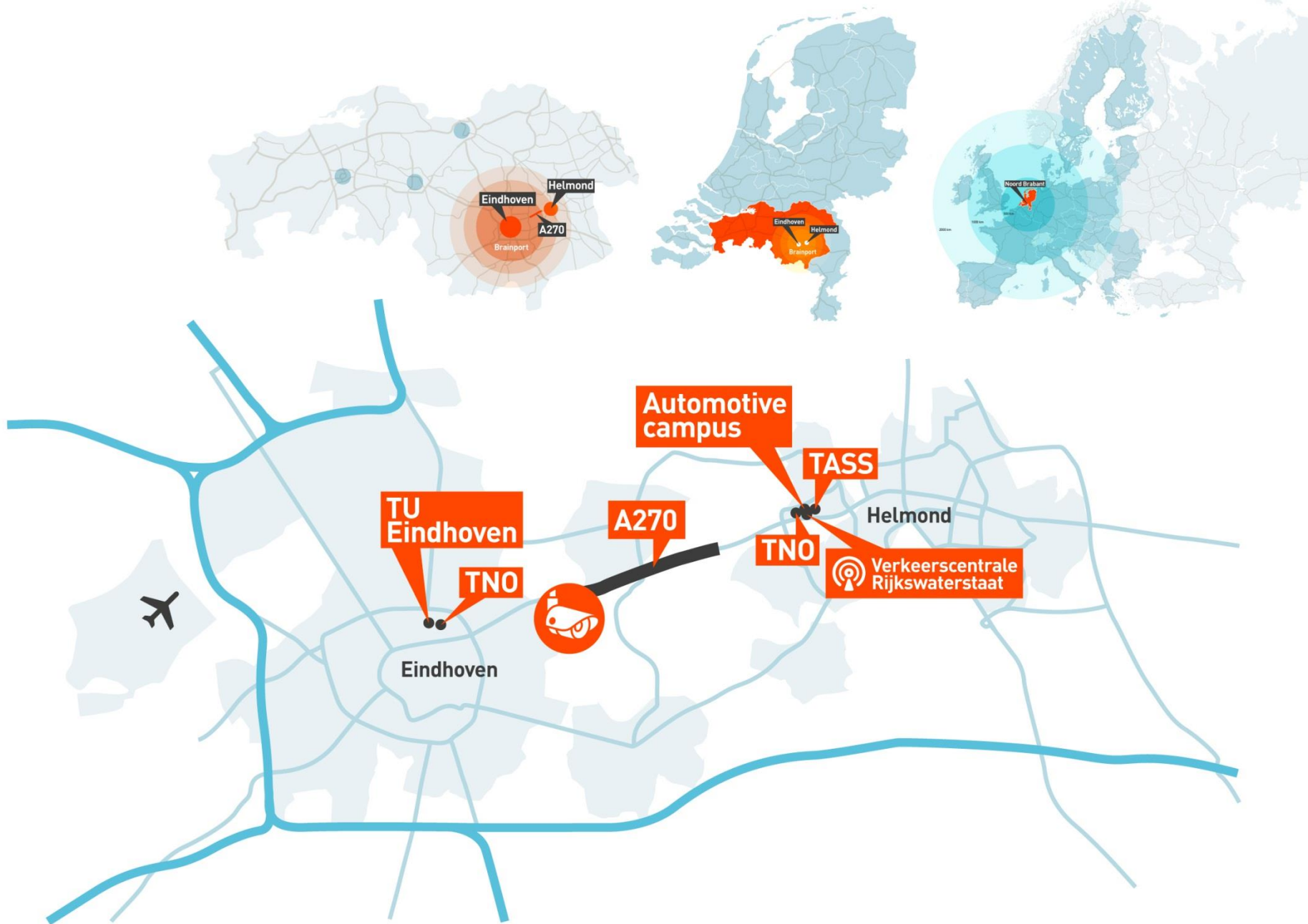
Gert Blom, strategic advisor mobility

City of Helmond



MAVEN is funded by the EC Horizon 2020 Research and Innovation Framework Programme, under Grant Agreement No. 690727





# The broader context ....

- 600 fatalities per year in The Netherlands
- 25.000 per year in the EU
- 1.2 Mio per year worldwide
- This is 3.400 traffic victims per day ...
- And ... congestion in the EU costs nearly 100 billion Euro, or 1% of the EU's GDP, annually
- And ... about 40 million people in the EU are exposed to air exceeding WHO air quality guideline values
- And ....



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# The local context ....



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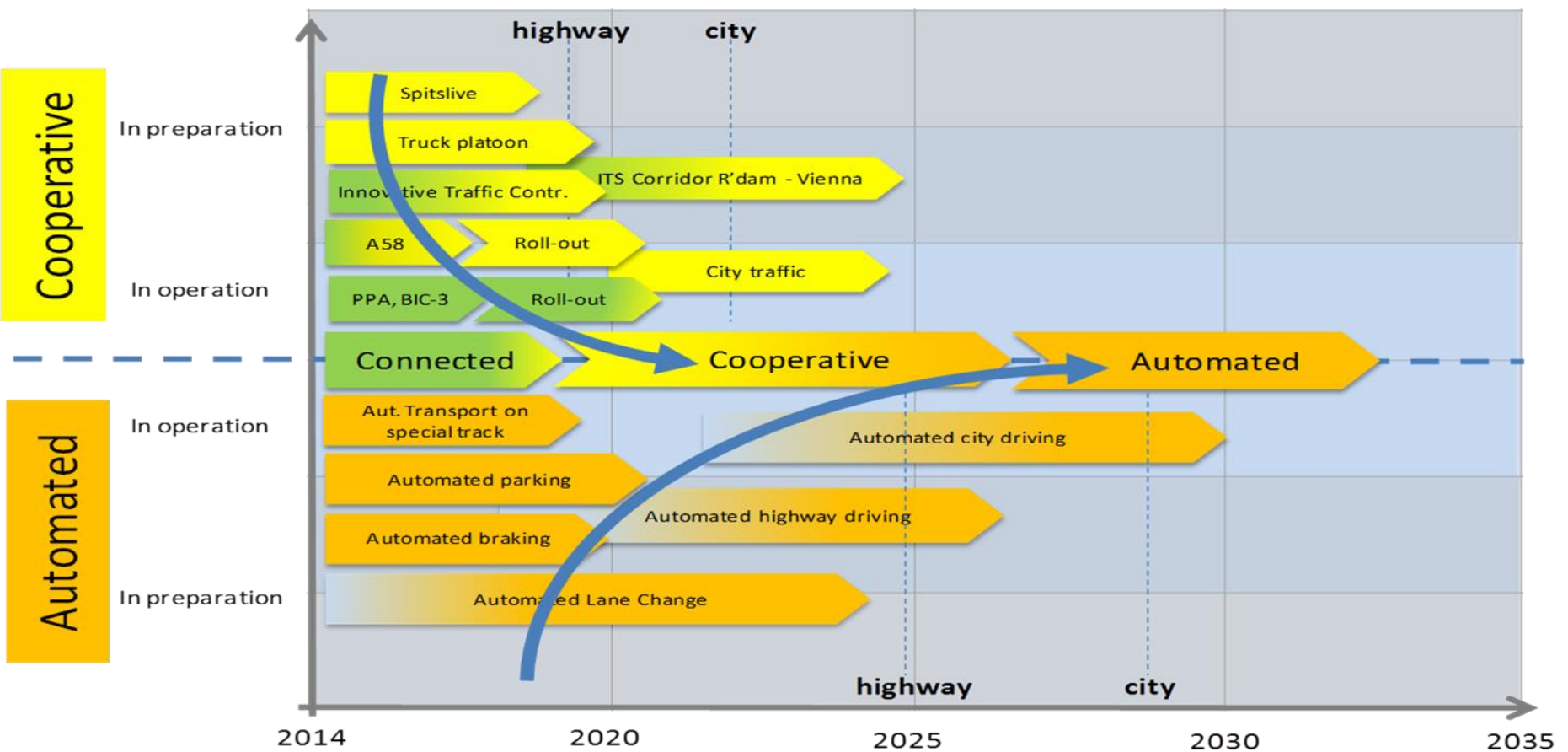
# Our vision ...



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# Our vision ...



MAVEN



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# Our commitment ...



Active support of smart  
mobility pilots and  
showcases



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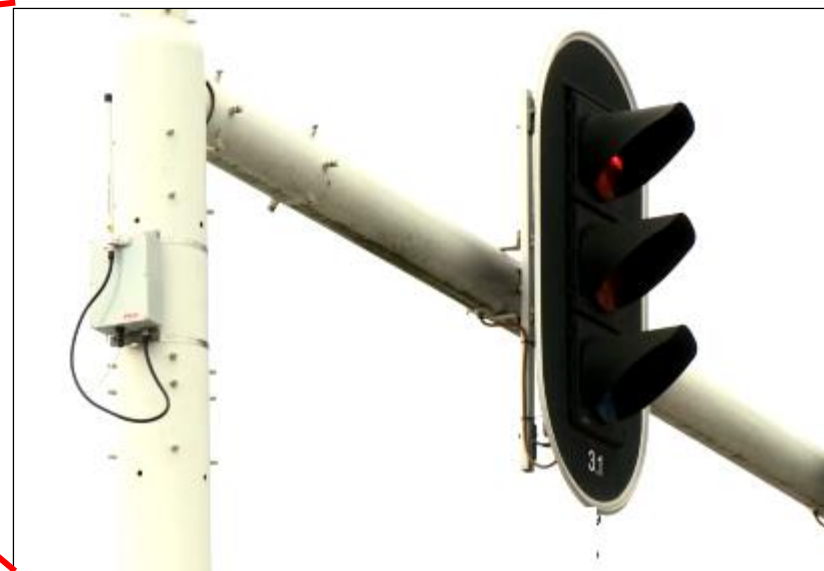
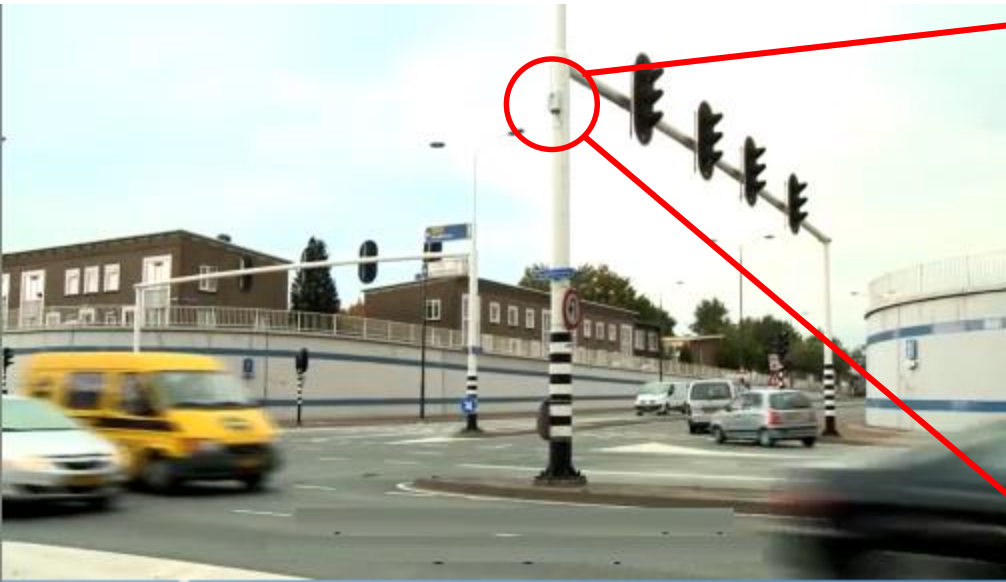
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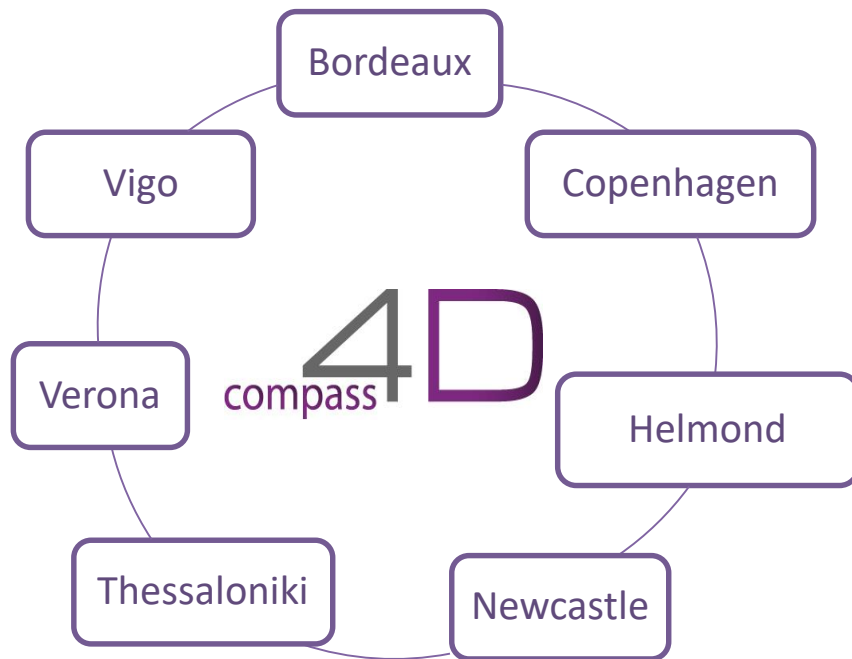


# **FREILOT - project**

## **Energy Efficient Intersection Service Helmond**



# Compass4D -overview



Compass4D pilot sites

## Services:

Energy Efficient Intersection



Road Hazard Warning

Red Light Violation Warning



> 600 vehicles, > 1200 drivers

Vehicles / pilot site	Bordeaux	Copenhagen	Helmond	Newcastle	Thessaloniki	Verona	Vigo	Total
Trucks	40		7	5				52
				vans				
Cars	34		25	5	7	10	10	91
			electric	electric				
Buses		100	5			10	20	135
Emergency vehicles	6		5				2	13
Taxis					35		8	43
Total vehicles	80	100	42	10	42	20	40	334

# Next mobility challenges Helmond...

- ☐ **Contribute to large scale deployment of C-ITS**
- ☐ **C-ITS for road safety and esp. VRU's**
- ☐ **Prepare for introduction and transition towards automated vehicles**
- ☐ **Incremental introduction of useful services**
  - ☐ Automated Valet Parking
  - ☐ Intelligent Speed Adaptation
  - ☐ .....



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# Automated vehicles and cities ...?

## Some statements ...

- ☐ No Automation without connectivity
- ☐ Current C-ITS investments are no waste of tax-money
- ☐ Incremental introduction of automated driving services
- ☐ Urban areas very challenging for automated driving
- ☐ But worth supporting deployment by public authorities
- ☐ Impact of automated driving goes far beyond mobility domain



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# What is MAVEN for Helmond ...?

## ❑ MAVEN for Helmond

- ✓ No automation without connectivity ! We see a huge potential of automated vehicles to support safe, sustainable and affordable mobility systems for all citizens and efficient use of public space. This however will only work when vehicles are connected with other vehicles, communicate with other road users and are integrated in the traffic management systems of cities. MAVEN is an important step for Helmond, as it will give good insight in the impacts and requirements in this transition towards integrated, safe and sustainable automated vehicles.



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