



# Dutch Mobility Testing Grounds

*Testbed for ITS with fast communication (wifi-P and 4G/LTE) between infrastructure and vehicles on public roads (highway and cities)*

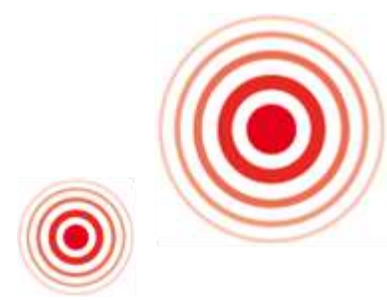
Peter Colon, ITS Agency BrabantStad  
16 December 2016

# Living lab in North Brabant:

*Development, testing and deployment*



# If you want to...



- Accelerate (technical) developments
- Improve mobility → smart - clean – reliable – safe – comfortable travelling
- Be a region for innovation in C-ITS /Smart Mobility

**You need** a testing ground to test new mobility solutions (real life effects, safety, security, behaviour response etc.) before deployment

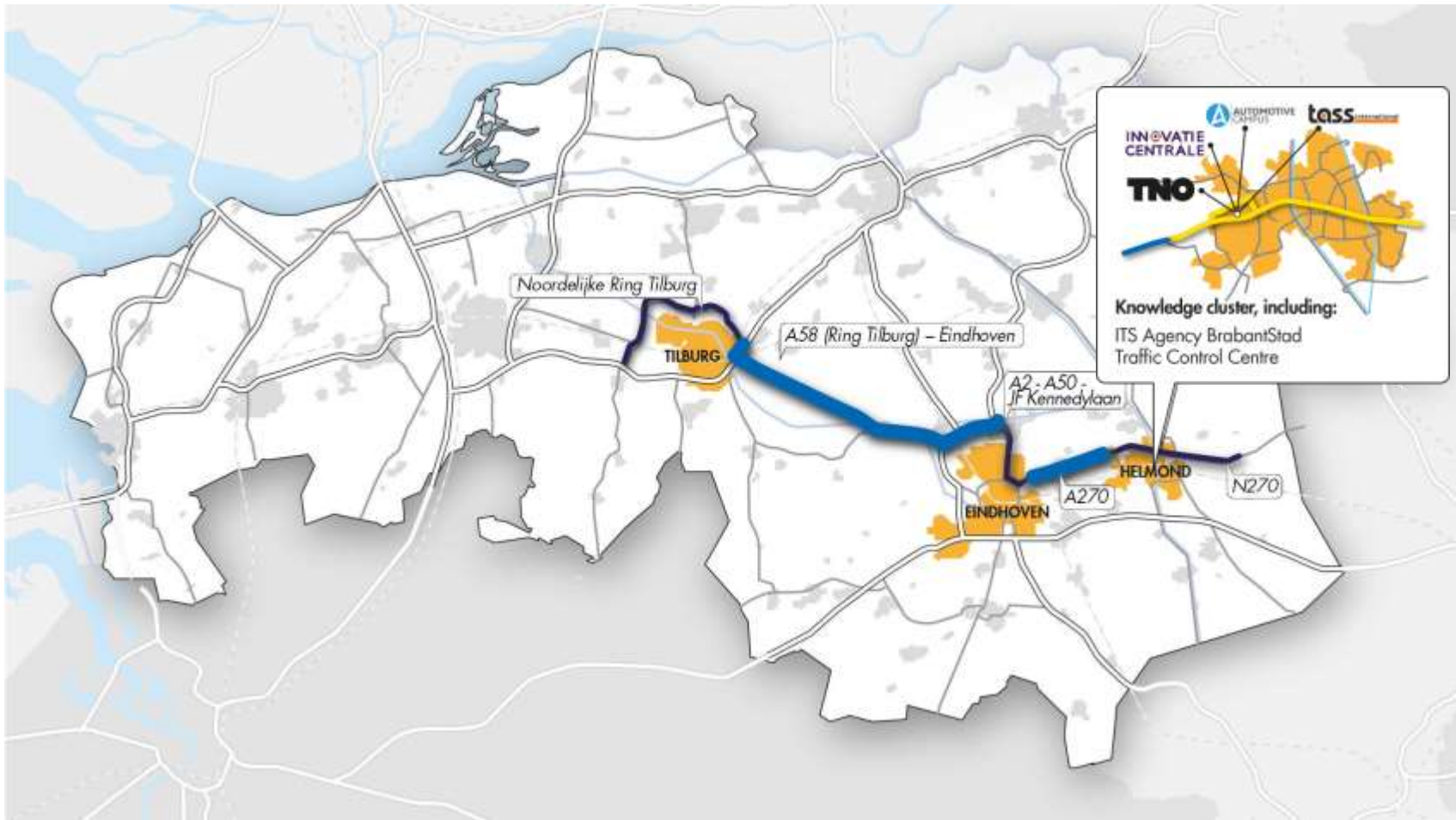




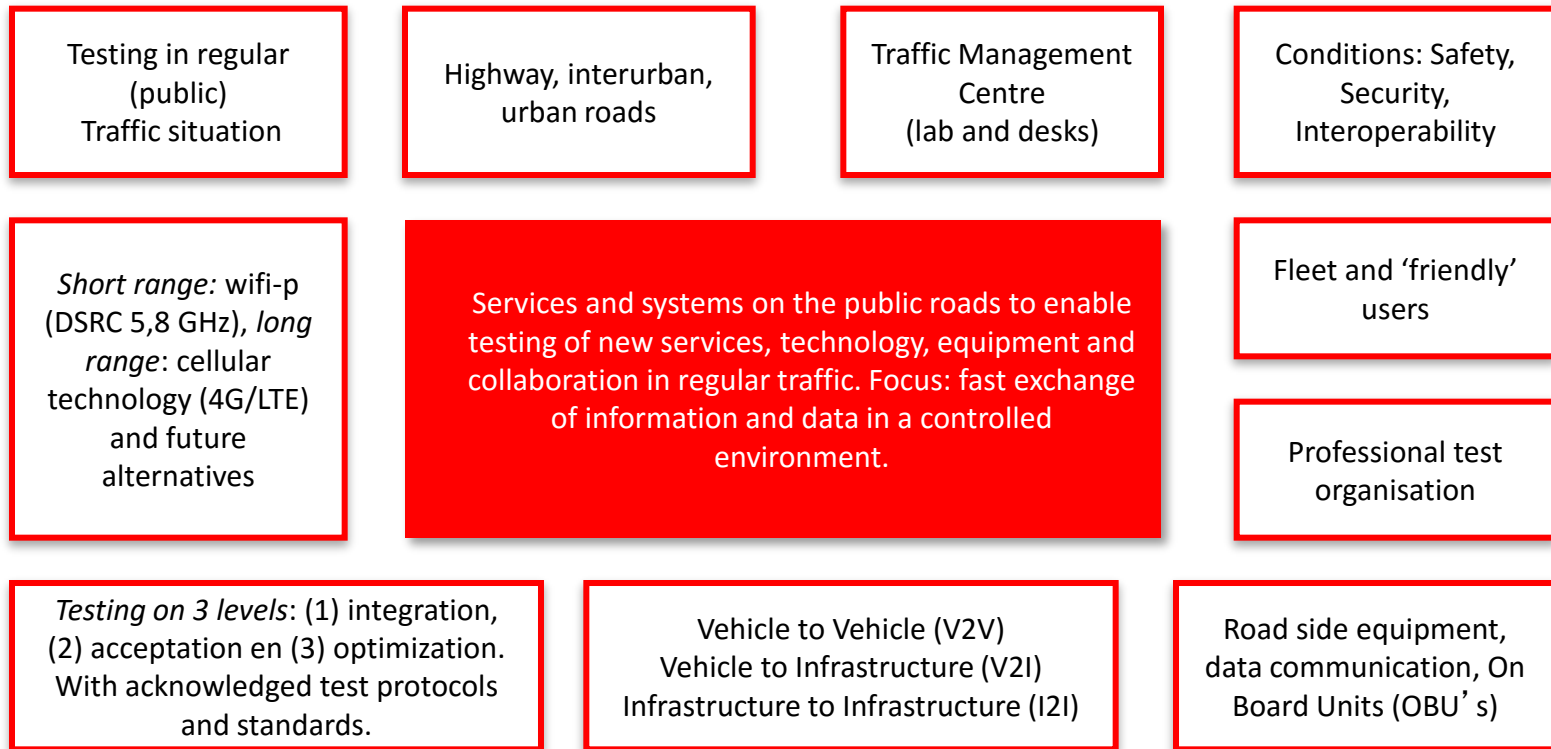
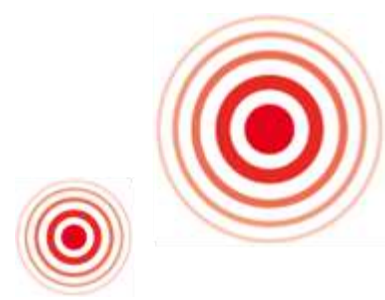
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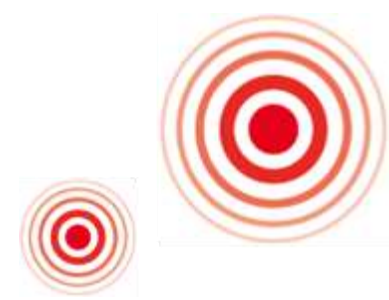
- 1st phase: 70 kilometers of public roads
  - Thick blue = highway
  - Thin blue = urban/interurban



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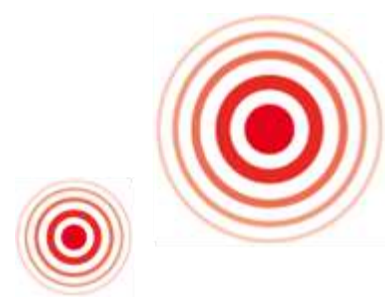
# Core elements of testing ground



- Offering a **real-life test environment**
  - With cooperative functionality
  - With connected functionality,
  - Equipped with the latest technology to facilitate rapid exchange of data between vehicles and roadside systems
- Stimulate **deployment of projects** by public and private parties
  - Use cases,
  - Day 1 & 2 services,
  - Enhancing ITS Corridor
- **International focus:**
  - Breakthroughs, standardisation, new means of cooperation for the international professional community
  - Attractive for international players to test in the Netherlands
- Facilitating type approval / certification → Value for partners and for external parties

# Target market groups

- Automotive industry
- On-board unit (OBU) suppliers
- Traffic management suppliers
- Telecom suppliers
- Data providers
- Service providers
- Knowledge organisations
- ...



# Example use case



21 crossroads

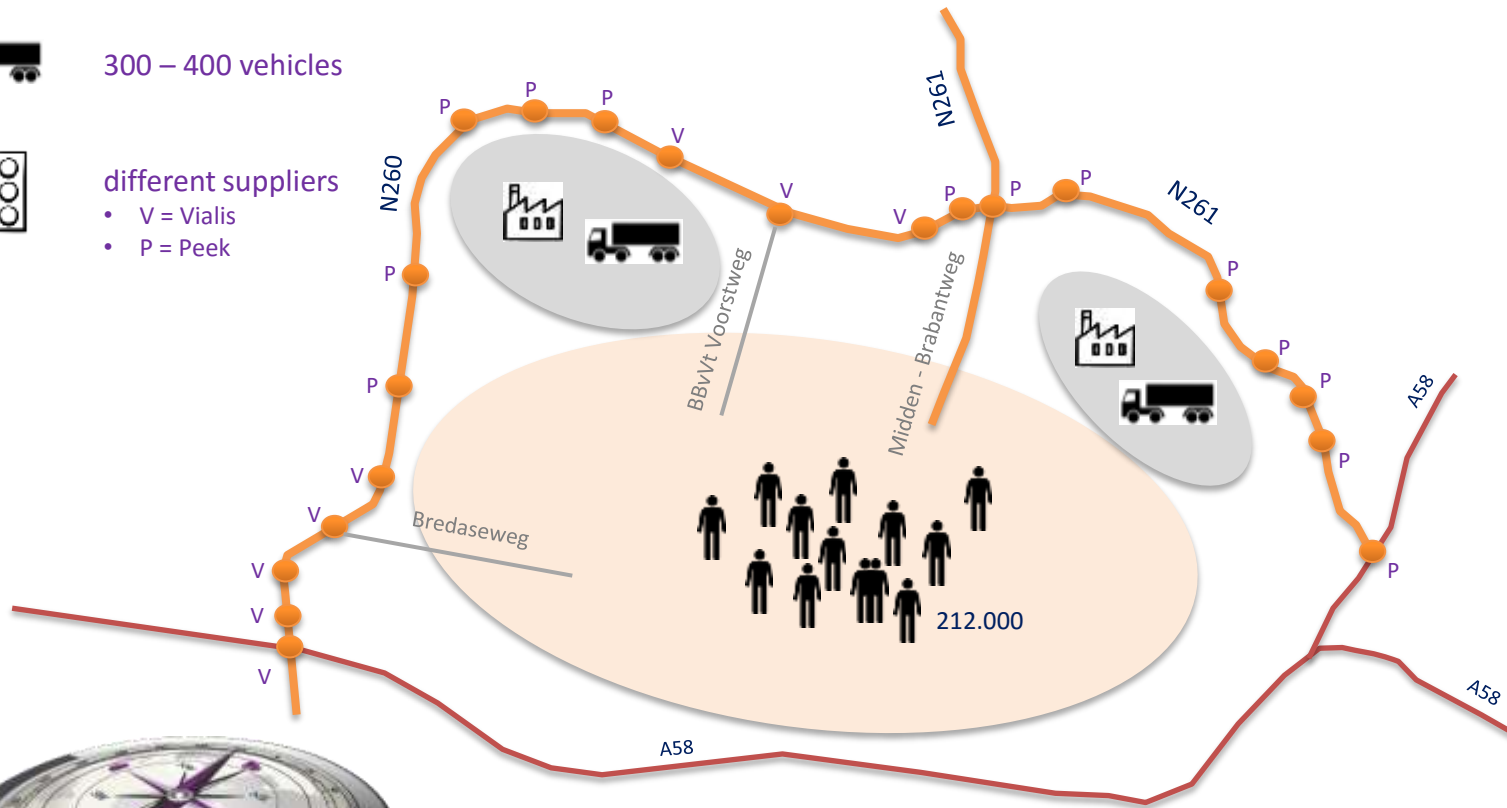


300 – 400 vehicles



different suppliers

- V = Vialis
- P = Peek





# For more information please contact

## ITS Agency

*Location:* Automotive Campus, Helmond  
(next to the Traffic Innovation Centre)

*Website:* <http://www.brabantstad.nl/en/news-en>

*E-mail:* [ITSBureau@brabant.nl](mailto:ITSBureau@brabant.nl)

## Today's host:

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## Dutch Smart Mobility movie

<https://youtu.be/ZdcT5FJZ0Y4>