



 **UTAC CERAM**



**Private & independent**  
International group



European  
**Technical Service**



**60 %** testing/valid.  
**30%** homol./certif.  
**10%** event



**73 M€**  
2018 Revenues



24% of activity  
**abroad**



The group operates  
**over 60 countries**



**Euro NCAP**  
official laboratory



**ISO 17025**  
accredited laboratory



Test center for  
**automated & connected**  
vehicles



(\*) without Event & Driver Training

# Our services

## 4 main business areas



Type Approval  
Conformity of production  
Regulatory expertise  
Audit (ISO/IATF/INMETRO/CCC)



Testing (vehicle & components)

- *Tuning*
- *Regulatory and normative*
- *Euro NCAP*
- *Benchmark*

Instrumentation & measurement



Technology center for automated & connected vehicles

- *Development & testing*
- *Simulation*
- *Expertise & consulting*
- *Homologation*
- *Training*



Event organization

- *B2B, private and public*
- *Seminar, convention,...*

Tracks and infrastructure rental  
Driver training

### Our intern laboratories



Active safety



Passive safety



Powertrain



NVH



EMC



Endurance & reliability



## Technology Center for Automated and Connected Vehicles



### Testing & Development

- ✦ ADAS
- ✦ Connectivity V2X
- ✦ System Integration
- ✦ Simulation
- ✦ Vehicle in the Loop
- ✦ Autonomous Shuttle, buses & Heavy Duty Vehicles
- ✦ Official Testing (Type approval, Euro NCAP,...)

### Expertise & Counseling

- ✦ Testing Protocols Creation
- ✦ Regulatory Watch
- ✦ €NCAP Roadmap
- ✦ Training & audits



### Type Approval

- ✦ Complete Vehicles & equipment/system
- ✦ Conformity of production
- ✦ Training & Technical Support



# Technology Center for Automated and Connected Vehicles



12 KM  
TRACKS



CONNECTIVITY  
4G+, 5G, ITS-G5, WIFI



OFFICIAL  
TESTS



## 1 – Highway circuit

- Length: 2.2 km
- 3 lanes
- Multilingual signalling
- Tunnel & tollbooth

## 2 – Road circuit

- Length: 6.5 km
- Road signalling
- Hilly course
- Road edge

## 3 – City area

- Fake buildings & crosswalks
- Traffic lights & signalling
- Roundabouts & level railroad
- Auto-parking area

## 4 – Parking zones

- Angle, parallel & perpendicular
- Lot striping, barriers & blocks
- Flankguard zone
- Mobile obstacles

## 5 – ADAS dynamic area

- 38,800 m<sup>2</sup> dynamic platform
- Lighting (LED, sodium)
- €NCAP 2020 crossing
- Euro NCAP targets

## 6 – Braking area

- Euro NCAP AEB area
- 2 circular plates
- $\mu$  = from 0.2 to 0.9
- Watering system

### Our partners :



# ● ● ● Test drive in Netherland

23/06/2020

6

- Very different situations
- A lot of unexpected situations



# ● ● ● Test drive in Netherland

23/06/2020

7



⇒ High traffic density



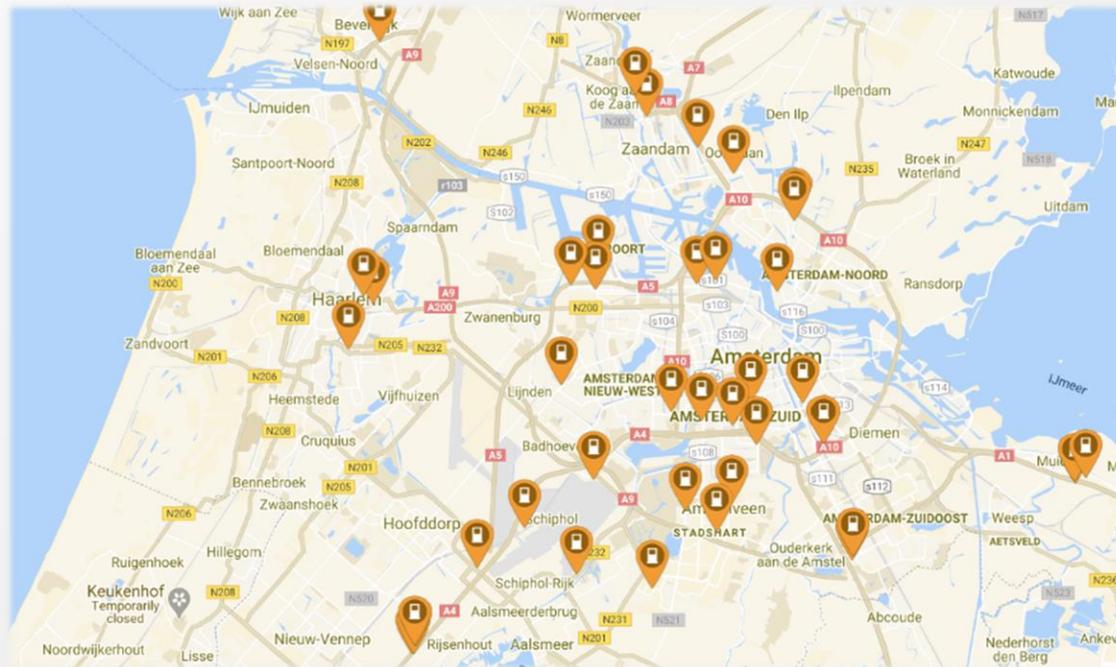
⇒ Traffic variation and regulation on the highway

# ●●● Test drive in Netherland

23/06/2020

8

- Designed for electric vehicle with 50 kW chargers
- Available everywhere





[Jean-christophe.souvestre@utacceram.com](mailto:Jean-christophe.souvestre@utacceram.com)

+33 3 44 54 59 28

*At the heart of innovation to suit your needs !*