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CITIZENS IN MOTION

WHO'S DRIVING YOUR FUTURE?

AMSTERDAM

A city with CAV at the heart of MaaS innovation.

The world's cycling capital – 45% of mobility is human-powered.

9% growth in city population and 15% growth in tourism places pressure on transport network.

Declaration of Amsterdam puts the city at the heart of EU initiatives to accelerate CAV adoption.

CITIZEN CONNECTION

- High levels of satisfaction with an effective, well-financed public transport system, although pressures on bicycle infrastructure exist.
- Citizen identity linked to walking and cycling as primary modes of transport.
- Broad acceptance of measures to reduce car access and parking in central city areas.
- Ridesharing pilots in Zuidas highlight readiness for transport innovation aligned to MaaS.

“Without human drivers, driverless vehicles are potentially a lot cheaper to operate, for example as a last mile solution. If that means more convenience for the same price, I’m sold.”

—Citizen of Amsterdam

GOVERNANCE PLATFORMS

- Well-established national CAV program including on-road testing since 2015, remote-control from 2018 and 5G integration.
- Smart Mobility strategy 2016-2018 on four themes: internet of things, smart use of space, MaaS and CAV. Conventional cars are discouraged.
- Amsterdam smart city platform enables innovation in the city to accelerate the transition in mobility.

“Amsterdam stimulates autonomous (public and semi-public) transport to keep the city livable, sustainable, accessible and attractive.”

—Ger Baron, Chief Technology Officer, City of Amsterdam

ENABLING INFRASTRUCTURE

- Intelligent road network provides strong foundation for CAV, including early investment in connected traffic signal interfaces.
- Dense EV charging network – 267,000 charging points in the Netherlands of which 4,000 in Amsterdam.
- National integrated public transport payment system; OV-Chipkaart.

“CAV can provide a huge opportunity to improve the mobility system and improve quality of life in Amsterdam.”

—Carolien Gehrels, Arcadis City Executive, Amsterdam

ARCADIS RECOMMENDATIONS

Focus CAV pilots on areas less well served by public transport in line with wider efforts to reduce car use.

Focus initiatives on areas of concern to citizens including social inclusion, congestion, parking and connectivity.

Identify how CAV can contribute to the development of integrated city-wide MaaS.

Integrate all knowledge on impact of CAV on the city systems into the integral city masterplan.

Identify and promote role that open data infrastructure will have in facilitating and accelerating CAV and MaaS.

Embed CAV thinking in traffic and urban planning to create the optimal transportation network.



CITY MOBILITY OBJECTIVES

Being smarter to keep Amsterdam a city where pedestrians, cyclists, and effective collective transport can coexist.



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ARE YOU DRIVING THE
FUTURE OF YOUR CITY'S MOBILITY?

