



IoT*-01-2016: Large Scale Pilots

Pilot 5: Autonomous vehicles in a connected environment

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In cooperation with

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- Unit A3: Complex Systems & Advanced Computing
- Unit A4: Components

IoT* = Internet of Things

IoT SERVICES

AUTONOMY

UP TO FULL
AUTOMATION
=
DRIVER OUT OF
THE LOOP

IoT
(connectivity)

OBJECTIVE

- Optimal combination of local & distributed information and intelligence For higher level of automation
- Demonstrate added value and potential of applying IoT

CRITICAL

- Strong use case & business case
- Strong commitment from the pilot host(s) -> Maximise impact

Some possible use case scenarios

*Call text: "It should **test scenarios of deployment** of safe and highly and fully autonomous vehicles (up to SAE38 international level 5, full automation) in **various representative use case scenarios**, exploiting local and distributed information and intelligence."*

The next slides present some possible use case scenarios:

These are only given as some illustrative examples to show the expected level of ambition. They are not meant to be limitative nor exclusive !

Pilot 5 Possible use-case scenarios: morning journey (1/2)



DRIVER IN CONTROL

DRIVER OUT OF THE LOOP

DRIVER IN CONTROL



Pilot 5 Possible use-case scenarios: morning journey (2/2)



| | | | |
|-------------------------------|---|--|--|
| PARKING | <p>Self-driving TAXI</p> | | |
| DRIVER OUT OF THE LOOP | DRIVER OUT OF THE LOOP | | |
| | | | |

Useful info

Type of actions: **IA** (Innovation Actions)

Dates: Closing: 12 Apr 2016

Budget: *Proposal requesting EU contribution up to 20M€*

Workprogramme:

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-focus_en.pdf - page94

Info Day:

IoT Pilot5 Infoday – Brussels – December 3rd

- <http://ec.europa.eu/digital-agenda/en/internet-things>

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