



UNECE

Paris 10-11th September 2018

www.aguila.fr



An independent high-tech company, AGUILA is located on the Izarbel Technopolis in Bidart – Pays Basque, City of innovation and high technology.

AGUILA Specialist in rugged embedded systems and innovative IoT solutions

Agula & ITS

80,000

Number of
connected devices
by AGUILA



Multiple EU awards
for its technology
applications



Track record for
producing animal
wearable devices

ITS Ecosystem

- Firefighters department
- Administration of the Nouvelle Aquitaine
- Transport operators
- Drivers
- Passengers
- Insurers
- Transport authorities
- Ministry
- Sécurité Routière (French road safety)
- ANATEEP : French Association for the safety of the transport of children
- ...

First measurement campaign

February 2018

- Objective
 - Demonstrate the assumptions of the propagation of smoke by physical tests
- Context
 - A reformed vehicle
 - Agreement signed with the Fire Department
 - Technical area of the Fire Department
- The key data
 - Speed of smoke propagation in the vehicle
 - Smoke Evacuation speed
 - Video link

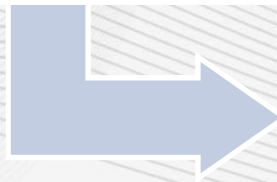
Three keyframes



- T0 : Start process



- T0 + 45s : Fumes fill whole vehicle



- 15s after breaking windows

After breaking windows, it takes 15 secondes to release more than 90% of fumes

New measurement campaign

- Objective: To measure **objectively** the speed of propagation of fire and fumes for two scenarii under the same conditions :
 - In an enclosed vehicle
 - Opening the emergency exits after a while
- Who would be interested in an active participation ?
With what inputs?
- Collective definition of measurement criteria and expected results
- Place: Bordeaux France
- Leader : Aguila



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