

AIR TREATMENT

FOR VEHICLE INTERIOR AIR QUALITY



OICA MEETING

F. MAISONNEUVE – D. BARRETEAU – D. MOIGNEU

AGENDA

01 AIR TREATMENT SYSTEMS EVALUATION - OBJECTIVE

02 ON ROAD TESTS

03 DEVELOPMENT OF THE VALIDATION TOOL

04 QUESTIONS & ANSWERS

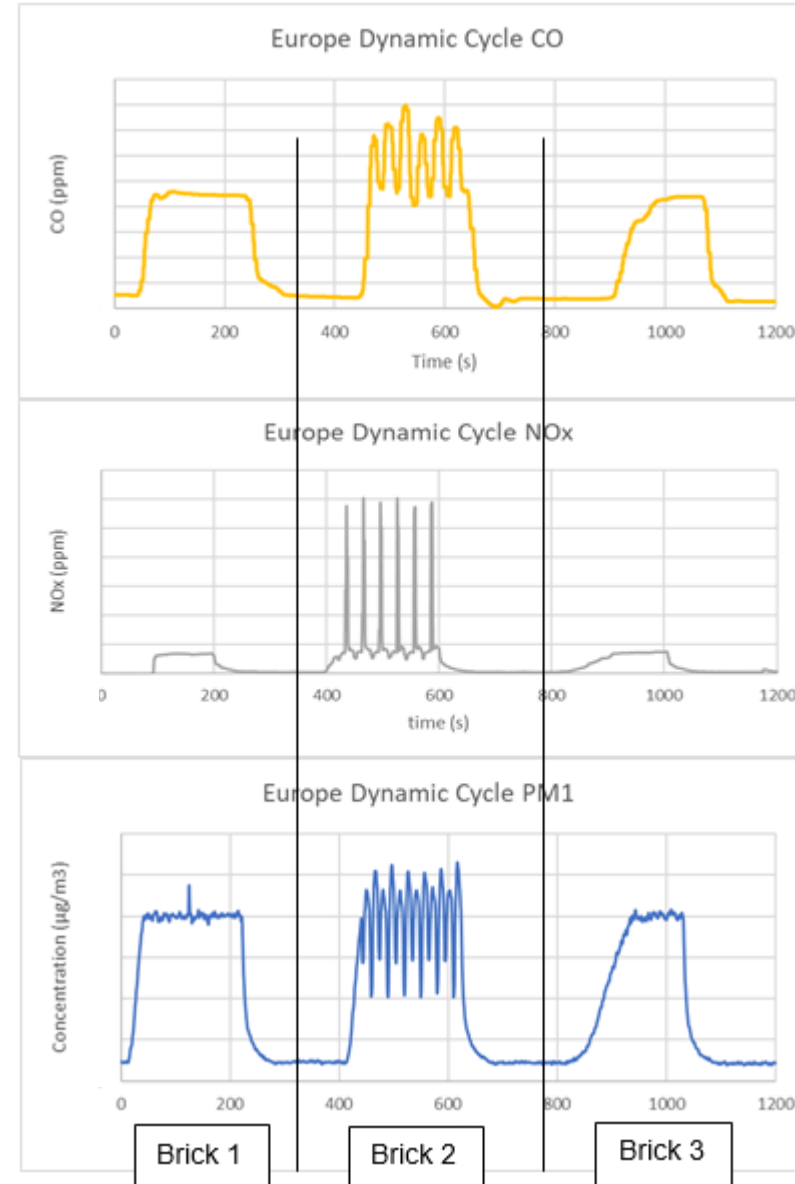
OBJECTIVE

- Evaluation of the cabin air treatment systems performance for **active and passive systems**: soft & hard => sensors, filters,...



- Different kinds of air pollution profiles used, from on road data

Example of a specific test method developed :



ON ROAD TESTS

Road trip of 50 km in the south parisian highway



- Non-repeatable tests due to the variations of climatic conditions, traffic density and air dispersion and global reduction of air pollution
- Need to develop a specific tool able to reproduce the air quality with different urban pollution profiles for evaluation of efficiency and comparisons



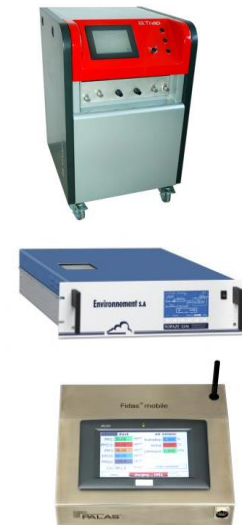
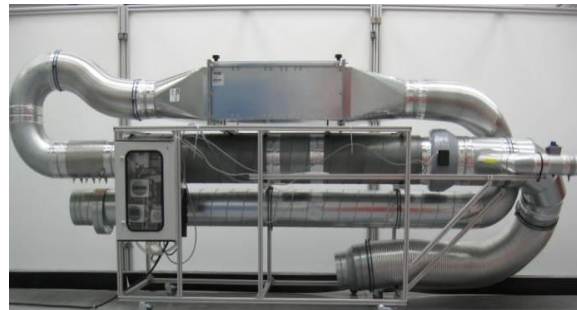
BANC CERTAM



THE CERTAM BENCH

■ AIR VALIDATION TOOL

Simulation of different concentrations and type of pollutants vs on road tests abroad



More on CERTAM: <https://certam.fr/en/air-quality/?v=11aedd0e4327>

ANY QUESTIONS ?

THANK YOU