

## PEMs4Nano

### Portable Nano-Particle Emission Measurement System

724145



**Programme:**  
H2020 Transport

**Topic:**  
GV-02-2016

**Call for proposals:**  
H2020-GV-2016-INEA

**Duration:**  
01/10/2016 to 30/09/2019

**Funding scheme:**  
RIA

**Total cost:**  
€3,752,475

**EU contribution:**  
€3,571,925

**Coordinator:**  
HORIBA EUROPE GMBH

**Project website:**  
<http://www.pems4nano.eu>

**Project description on CORDIS:**  
[http://cordis.europa.eu/project/rcn/205453\\_en.html](http://cordis.europa.eu/project/rcn/205453_en.html)

Societal concerns for the environment include both fuel consumption and noxious emissions, as well as the awareness that meeting CO<sub>2</sub>-goals with newest technologies may also lead to the emission of smaller nanoparticles that are undetected by current certification procedures.

The PEMs4Nano project (P4N) addresses the development (based on current direct injection gasoline engines) of measurement procedures down to 10nm, providing a contribution to future regulation on particle emissions, in particular in real driving conditions. The activities planned in the project will also support the understanding, measurement and regulation of particle emissions below 23 nm (with the threshold of at least 10 nm).

**Participants:**

HORIBA  
Bosch  
CMCL  
TSI  
UCAM  
ULL  
IDIADA  
HORJY  
UNR

**Country:**

DE  
DE  
UK  
DE  
UK  
FR  
ES  
FR  
NL

**EU contribution (in €):**

€559,125.00  
€807,075.00  
€482,425.00  
€194,250.00  
€600,750.00  
€286,950.00  
€206,350.00  
€258,750.00  
€176,250.00