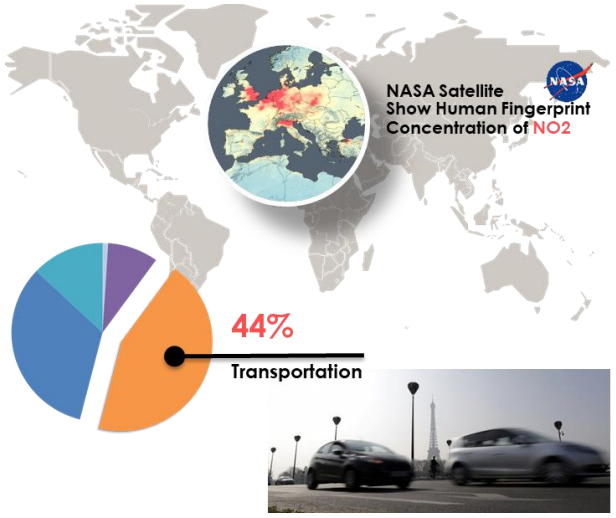
WHAT IS THE REAL DRIVING EMISSIONS ?

September 1st, WLTP* and RDE regulations are about to **revolutionize the pollutant and fuel consumption light duty vehicles approval**.

These procedures are aiming to reduce efficiently NOx and fine particles emissions in cities, as well as reducing the gap between type approved CO2 emissions/fuel consumption and **in-use values**.

This regulatory **development is a drastic change in the automotive world:** technically, economically and strategically

RDE serves to confirm laboratory tests results in real life,
thereby ensuring that cars deliver low pollutant emissions,
not only in the laboratory but also on the road.



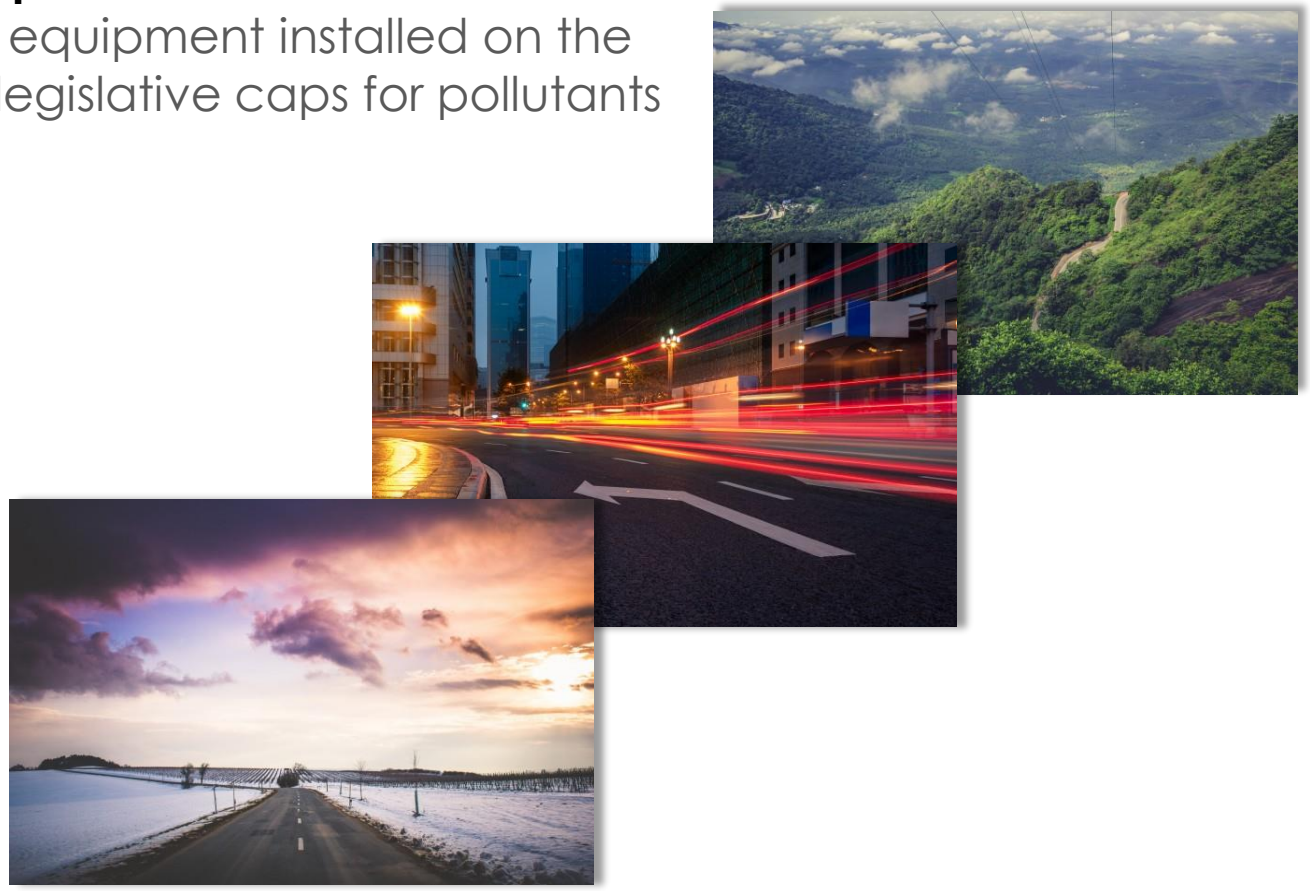
*Under conditions defined by EU law, the Worldwide Harmonised Light Vehicle Test Procedure (WLTP) laboratory test is used to measure fuel consumption and CO2 emissions from passenger cars, as well as their pollutant emissions

WHICH RANGE OF POSSIBLE CONDITIONS ?

During this test, a car will be driven on **public roads** and over a wide range of different conditions. Specific equipment installed on the vehicle will collect data to verify that legislative caps for pollutants such as NOx are not exceeded.

Conditions include:

- Urban, Rural and Motorway roads
- Low and high vehicle dynamics
- Low and high altitudes
- Year-round temperatures
- Additional vehicle payload
- Up- and down-hill driving



DATE OF IMPLEMENTATION ?

From April 2016 onwards new Euro 6 passenger car models have to be tested not only on the regulatory test cycle at type-approval but also on the road. During this monitoring phase, RDE are measured but no Not-To-Exceed (NTE) limit applies.

As of September 2017 a NTE emissions limit is set for RDE emissions of new car models with a CF* of 2.1 for NOx. It will apply to all new cars in September 2019. A CF for Particle Number (PN) will also be introduced.

From January 2020/21 for new models and all new cars respectively, the NOx CF will be lowered to 1.5

*Conformity Factor (i.e. NTE/Euro 6 limit ratio)

OUR SOLUTION ?

In order to support all auto industry stakeholders throughout this new era, OSE Engineering is happy to present an intuitive web application to find RDE compatible driving cycle, anywhere in Europe.