Robot driver : G-ROBOT
repeatability during climatic tests

The challenges in terms of consumption and pollutant emissions have been accentuated in the last years with an enlargement of the tests conditions. The driving cycles are thus more complex and it has become necessary to assess the solutions' robustness.

Several types of configurations are available on the GREENMOT **G-ROBOT** driver; each of them allows extreme repeatability in the monitoring of driving cycles.

A DRIVING ROBOT TO OPTIMIZE YOUR VEHICLE'S TESTS

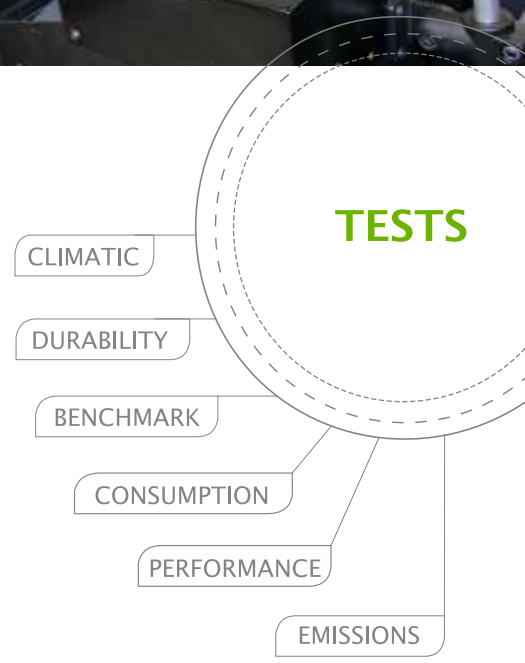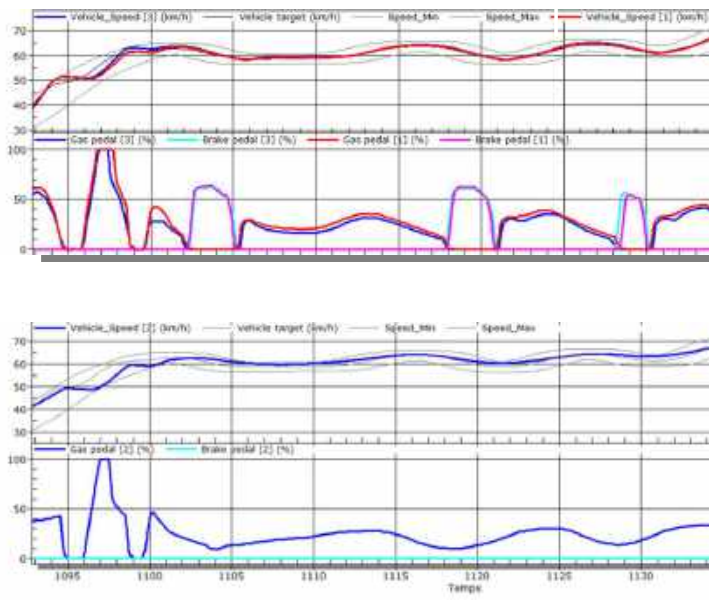**OPERATIONAL -20°C / +45°C**

MANUAL and AUTOMATIC GEARBOX

AUTOMATED LEARNING

HUMAN DRIVE STYLE SPEED CONTROL

IMPROVED SAFETY AT WORK

▶▶ DRIVING CARACTERISTICS and REPEATABLE RESULTS
> 0.1% on consumption between comparable WLTC cycles*

WLTC

Dynamic Driving Style

Smooth Driving Style

TESTS

CLIMATIC

DURABILITY

BENCHMARK

CONSUMPTION

PERFORMANCE

EMISSIONS

results observed on GREENMOT test equipment

TECHNICAL CHARACTERISTICS

▶▶ MECHANICAL

Installation on driver's seat by assembling actuation modules (<10kg each) designed to be installed by a single operator.

Compatible with all automotive configurations:
> ICE / hybrid / electric
> Manual and automatic gearbox
> Left or right handed

▶▶ CONTROL

Compatible with any type of bench:
> Roller test bench, direct connection
> 2 or 4-wheel drive

In-house developed GREENMOT control algorithm:
> High precision of speed reference
> Configurable driving style: sporty, eco, standard, with anticipation of gear changes

Automated fonctions
> Automatic learning sequence of vehicle characteristics
> Automatic control for regulatory cycles and / or specific cycles
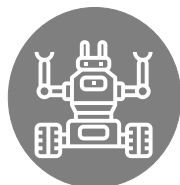> Configurable automatic shutdowns

Tests managed through web HMI
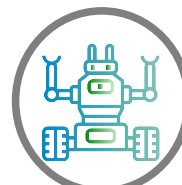> No software installation
> No software license

| ergonomic HMI

A PACKAGE SUITED FOR YOUR TECHNICAL NEEDS

▶ **BASIC ENDURANCE**

Regulated cycles
WLTC, ISC, RDE,
Endurance, others

▶ **ADVANCED CLIMATIC**

Technical development
ADVANCED ENGINEERING