

ENERGY ANALYSIS in high power climatic test cell

→ Electric buses → Hybrid buses → Military vehicles

- High repeatability in energy performance Test
- Define for each consumer his share of energy consumption
- EV analysis : **evaluate thermal comfort consequences**

CONFIGURATION / TEST EQUIPMENT

- ✓ Test bench with **mechanical connections** : less dispersion
- ✓ **Large dimensions** for high powered vehicles : 154 m²
- ✓ **Robot driver** : to optimized repeatability on the bench
- ✓ **Repeatability** : control climatic environment and energy on cycle

GREENMOT EXPERTISE

- ✓ **Know-how** : procedure and control of the test equipment
- ✓ **Assistance** : All mechanicals operations
- ✓ **Flexibility** on your needs ("Taylor made" test protocol)
- ✓ **Turnkey solution** : specifications, instrumentation, tests, data analysis



Thermal environment
- 46°C + 55°C with solar simulation

Repeatability
SORT Cycles with GREENMOT robot driver

APPLICATIONS

- ✓ **Energy storage and flow measurements**
- ✓ **Thermal comfort**
- ✓ **Climatic validation** (Defrosting / Heating / HVO)
- ✓ **Battery cooling system behaviour**
- ✓ **Energy optimization** (Identification of energy losses)

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