ADAS

THE GROUPEMENT ADAS

AN OPEN DEVELOPMENT PLATFORM FOR ADAS & AUTONOMOUS VEHICLES

MOV'EO GROUPEMENT

The members of the Groupement ADAS can integrate their products and know-how efficiently to provide you with a turn-key solution to the autonomous vehicles development: a robotized and low-cost vehicle platform, equipped with many sensors for 360° perception, and a processing unit with the necessary software to acquire, process, visualize, fuse, record and playback the numerous data streams, and control your vehicle at will.

Thanks to this integrated development platform, engineers, researchers and PhD students can concentrate on their research topics and integrate their work directly in the vehicle for testing, without having to care about software plumbing, nor hardware electrical and mechanical integration.

Example of a C1 vehicle platform delivered at ENSIAME, Valenciennes in 2014 by Nexyad, Intempora and FH Electronics - Design, Construction and Validation.

Main characteristics:

- Robotized platform with full control over engine, braking system, steering and gear box via CAN bus or Ethernet
- Easy switch between manual / piloted driving mode
- ADAS sensors on vehicle
  - Front camera
  - IBEO laser fusion system
  - X-Sens positioning system
  - Other sensors / configurations on demand
- Access to CAN bus
- Software integration platform: RTMaps
- Perception algorithms: RoadNEX and ObstaNEX