



**GROUPE RENAULT**

LG Vehicle Components is involved in SYMBIOZ Demo car with two infotainment products: L-Shape dashboard and Augmented Reality HUD (Head Unit Display). And one connectivity product: V2X unit as an ADAS sensor.

#### **LG IN SYMBIOZ DEMO CAR**

L-Shape is a large consolidated display (cluster + CID), with curved glass technology. It offers a unique user experience. Several GUIs are provided, depending on the driving mode (Classic, Dynamic, AD). It also provides optimized environment with flexible UX (you can customize desktop and application window driving mode), and a smart assistance (it suggests suitable service for the context beforehand).

AR HUD: large Augmented Reality HUD (50 inch display for 7,5m visual field) has been installed inside the car to provide augmented reality user experience, providing navigation guidance and ADAS information. The system is integrated with an eye tracking system to enhance accuracy of positioning of virtual image.

V2X: LGE had earlier developed a highly reliable V2X Electronic Control Unit (ECU) with mass production quality which is currently ensuring the safety of the 1000 SCOOP vehicles that are running on French roads. The same ECU is now being reused as a V2X sensor to enhance the automated driving experience in SYMBIOZ Demo car. It enables the SYMBIOZ Demo car to obtain the tollgate and road works status information from the infrastructure very well in advance.

#### **ABOUT US**

LG Vehicle Components is developing a wide variety of highly competitive products. Our products include Infotainment System (such as AVN), an advanced driver assistant system(ADAS) called 'intelligent safe', cluster, HUD. Our company is also focusing on vehicle engineering, to include vehicle thermal systems, electronic vehicle battery packs, etc. and is providing them to major customers in the vehicle industry.

VC Company is headquartered in Korea (Incheon, Gangnam, Pyeongtaek), where we conduct core R&D activities, production, and various product reliability tests in support of our vehicle component business