VTT test vehicle: Fiat 500L

Current functions
- Blind spot detection (VRU Safety)
- Driver distraction warning
- Low speed collision avoidance

Also EU projects CoMoSef, DESERVE, VRUITS, and TEAM utilised the vehicle in co-operative function tests.

Develop a sensor platform for automated and autonomous driving, that overcomes the limitations of existing sensors and provides enhanced sensing capabilities

HMI

No pedestrians nor obstacles
- Perception working OK
- All obstacles arrows OFF

Pedestrian(s) and obstacle(s)
- Pedestrian warning
- Relevant arrow(s) ON

Only obstacle(s)
- General warning
- Relevant arrow(s) ON

Devices

Environment perception:
- 1 Bosch LLR2 (16°/4°, 200 m)
- 1 IBEO Lux Lidar (110°/3.2°, 200 m)
- 1 FLIR PathFinder 320x240 (24°/18°)
- 1 Vistab 3DV-E29 640x480 (72°/54°, 65 m)
- 2 Continental SRR 208-2 (150°/12°, 50 m)

Driver monitoring:
- 2 full-HD autofocus cameras

Driver HMI:
- Display