COMPANY DESCRIPTION

eSoftThings was founded in 2014 in Rennes and is specialized in developing optimized solutions for the Smart Devices space and Advanced Driver Assistance Systems (ADAS) and automated driving systems.

The Autonomous Vehicles BU brings a large expertise in computer vision algorithms, mathematical models for deep machine learning, electronics hardware design, embedded, low- and mid-level software development and integration, power optimization. These transverse skills allow us to provide the right solutions using the right technology fitting the constraints of real-time and embedded applications.

eSoftThings is member of the R-Car consortium and works as a consulting and service provider for Rcar V3x series solutions. Thanks to its in depth knowledge on Renesas R-car platforms and Vision/Radar technologies, eSoftThings offers complementary services: developing, porting and optimizing Algorithms, training (over 15 companies) and Consulting, Optimizing latencies, memory footprint, power consumption in real-life applications and use cases (Front view, Surround view and CMS (Camera Monitoring Systems)).

ESOFTTHINGS' DEMO DESCRIPTION

The eST demo demonstrates real life applications like pedestrian detection algorithm and Dense Optical flow to track movement of objects are running on Vision Hardware accelerators embedded on the Renesas RCar V3H Solution:

- ***the pedestrian detection (ACF) is optimized on IMPX5+ accelerators*** allowing pedestrian detection in real time.
- the ***Dense Optical Flow (DOF)*** *computation* with the use of the DOF dedicated hardware accelerator on V3H and allowing video flow processing in real time (30 FPS)

ESOFTTHINGS' DEMO ILLUSTRATION