

SystemX partners with OPTIS to simulate the autonomous vehicle

OPTIS joins the project “Simulation for the safety of autonomous vehicle” (SVA), launched by the IRT System X, to bring its know-how in simulation of optical sensors to tests by the use of virtual prototypes of autonomous vehicles.

Toulon, France, March 23rd 2017, OPTIS joins the SVA project of the IRT SystemX and brings its expertise to the French Automotive Industry, to meet the increasing requirements of design and testing through the use of realistic virtual prototypes.

The automotive industry has embarked on a race for the development of autonomous vehicles to provide a breakthrough response to global demand for greater and easier mobility. The SVA (Autonomous Vehicle Safety Simulation) project, launched by IRT SystemX as part of the Autonomous Vehicle Plan of New France Industrial, aims to respond by numerical simulation to the challenge posed by the complexity of the demonstration of the autonomous vehicle’s safety. Indeed, this complexity, linked both to the large number of situations encountered on the road, to their uncertainties and to embedded technologies, makes validations by tests in real uses extremely expensive, or even impossible for some.



Gil Lefauconnier ©

OPTIS Today joins the SVA project to meet a growing need for design and testing through the use of realistic virtual prototypes in the field of ADAS in particular. In this project which brings together the main French automotive players, in particular manufacturers and equipment manufacturers, OPTIS will address the theme of realistic simulation of the autonomous vehicle’s optical sensors, such as camera and Lidar. Because the autonomous car is constructed by assembling ADAS systems, it achieves such a level of complexity that only the use of precise simulation in a system approach makes it possible to achieve the level of reliability necessary for virtual tests. Through this project, OPTIS is committed to meeting these new needs in physical simulation, drawing on its experience and skills. In

this context, the simulation platform of the SVA project will be enriched with OPTIS "SPEOS VRX for ADAS solutions" software products. These software combine the SPEOS suite's DVS (Digital Vision & Surveillance) optical sensor solutions with the VRXperience real-time platform.

Gilles Gallée, Business Development Director at OPTIS comments: “Above all, it is a structuring project for the entire French automotive industry. The project will establish test methodologies for the autonomous vehicle using simulation and virtual rolling. For OPTIS, actively participating in this project is an ideal way to contribute to this sector and to adapt its tools and methods to address an issue that is global. Our ambition is to be able to bring to the market a complete virtual simulation and testing platform for the future autonomous vehicle.”

About OPTIS



OPTIS, the virtual prototyping company, brings life and emotion to all industrial projects. Its world-leading solutions pave the way for a revolutionary design process : towards zero physical prototype. Since 1989, OPTIS offers its know-how in light and human vision simulation into famous CAD/CAM software and dedicated virtual immersive solutions. This synergy creates true-to-life virtual mockups which are used as real decision-making tools. Today, more than 2500 clients in over 50 countries already trust OPTIS and innovate day after day with its solutions to ensure the look and safety of their designs, reduce their ecological footprint and bring their future products faster on the market.

For more information about OPTIS, please visit www.optis-world.com.

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