

NXP's partnerships with universities in the framework of subsidized projects

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Corporate Overview

A smarter world starts with NXP

We design purpose-built, rigorously tested technologies that enable devices to sense, think, connect and act intelligently to improve people's daily lives.



Infrastructure

Smart Home

SENTHICOM At a Glance



SENTHICOM – NXP Proposal Under IPCEI Program



Radar Sensor Systems for Autonomous Platforms Automotive Microprocessors

Telecommunications

Work Packages 3 (Components and Modules) and 4 (Subsystems and Systems): HW + SW Co-design; Processor Software Development Kit (Firmware, Runtime Software, Design Tools)

General Research Themes with Indirect Participants





Advanced Driver Assistance Systems

Level 0	Level 1	Level 2	Level 3	Level 4	Level 5
You are driving when these systems are engaged			You are not driving when these systems are engaged		
Driver Only	Assisted Driving	Partial Automation	Conditional Automation	High Automation	Full Automation
Human driver controls all aspects of driving.	Partial system assistance.	Partially automated driving under certain conditions	Fully automated driving under certain conditions	Almost fully automated driving under all conditions	Fully automated system, driver is not required.
	Feet-off	Hands-off	Eves-off	Mind-off	No Driver





Radar Sensor Systems for Autonomous Platforms

SENSE project directions in collaboration with Universities

- 4D point cloud resolution enhancement
- Data fusion
- Physics driven AI models





Thank you!

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