

News Release

Salland Engineering Participates in Two Research Projects

Silicon platform for high performance communications and high quality sensor technology are goals

Zwolle, Netherlands, (January 6, 2012) – [Salland Engineering](#) announced today that it is participating in two regional research projects aimed at advanced semiconductor technologies.

European RF2THz SiSoC Research Program

RF2THz SiSoC, an acronym for “From RF to MmW and THz Silicon System-on-Chip.” It is funded in the framework of the EUREKA cluster CATRENE, a European public-private partnership focusing on the technology and applications of nano-electronics. The program is scheduled to run for 3 years. A consortium of 31 partners from The Netherlands, France, Germany, Belgium and Luxemburg will work together, consisting of the main European silicon manufacturers, SME’s, research institutes and universities, as well as system integrators.

The RF2THz SiSoC project aims at the establishment of a silicon system-on-chip platform for emerging Radio Frequency (RF), Millimeter-Wave (MMW) and TeraHertz (THz) consumer applications. This could include: 77GHz/120GHz automotive radars, MMW imaging and sensing, fast measurement equipment, 60GHz wireless networking and fast downloading Rx/Tx, 400Gbit/s optical data communications, 4G photonic mobile communication transceiver and RF wireless communication requiring high performance devices (transmitted power, consumption, integration, isolation), as well as two-way satellite communication systems. Moreover it targets at the creation of a platform for various MMW and THz applications for different disciplines like health science, material science, genetic screening, security, industrial automation.

[Read more about RF2THz under project CT-209](#)

Daring Project Applications & Innovations in Sensor Systems (DAISY)

Salland will also be a member of a consortium of companies and research institutes in eastern Netherlands, led by Thales Netherlands, to develop high quality sensor technology. The project is developing a radar module that can be used in a wide variety of market

segments. The project intends to build a unique knowledge base in the eastern Netherlands with the intent to create more than one hundred new jobs in the region over the next five years.

Applications for the new technology include:

- Coastal and port surveillance and infrastructure security,
- Medical applications such as automatic measurement of human behavior,
- Agro-food development, such as, research on rainfall measurement for hydrology and water management and improve crop growth.

In addition to Salland Engineering, the participants include: NXP Nijmegen, Thales in Hengelo, Noldus IT in Wageningen, Sencio from Nijmegen, MASER Engineering from Enschede, Radio Semiconductors Nijmegen, FutureWater from Wageningen, TeraOptronics from Nijmegen, Agri Technics from Doetinchem, TNO from The Hague, Wageningen University and University of Twente.

[Read more about DAISY](#)

About Salland Engineering

Salland Engineering International is a leading supplier of test solutions for the semiconductor industry. Our solutions are delivered via a unique combination of hardware, software, test applications services and in-depth expertise. We enable our customers to achieve lower cost of test, higher quality and reliability, improved test floor efficiencies, faster time to market and streamlined interfaces with their supply chain. Since 1992, Salland has delivered thousands of production proven results to leading integrated device manufacturers (IDMS), fabless semiconductor manufacturers, ATE vendors and outsourced test and assembly services (OSATs) around the world. We are consistently profitable and presently employ over 100 people. Salland is headquartered in The Netherlands with additional development centers in Texas. We have worldwide sales and support centers in Texas, California, Italy, UK, Singapore, Japan, Korea, and Taiwan. [Visit www.salland.com](http://www.salland.com)

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