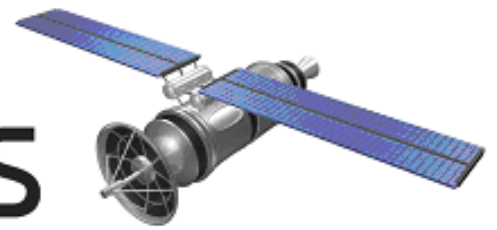


# FutureHorizons



The Global Semiconductor Industry Analysts

## FH MONDAY

13 April 2020

### IoT in Agriculture and Farming

Agriculture is the primary source of food all over the world. It not only provides the food but raw materials for many industries and contribute significantly to the growth of GDP and economy of any country. It is also the main source of income in many countries.

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### Apple Acquires Irish Voice AI Startup Voysis

Apple has reportedly acquired the Irish voice AI startup Voysis. Voysis, based in Dublin with offices in Edinburgh, Scotland, and Boston, USA, was founded in 2012 by Peter Cahill, an academic researcher in the field of text-to-speech. The company raised \$8m in a series A round in 2017.

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### u-blox Buys Thingstream to Add Silicon-to-cloud IoT Connectivity

Wireless and positioning chips and modules provider u-blox has acquired internet of things (IoT) communications-as-a-service provider Thingstream for CHF 10 million (~ €9.5 million). u-blox said the acquisition will bolster its services portfolio with a comprehensive IoT connectivity solution which accelerates a path to providing customers with a complete silicon-to-cloud solution.

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### TALK TO US



### NXP Invests €8m in Kalray for Automotive AI Chips

NXP has made an €8m (about \$9m) strategic investment in French fabless chip company Kalray, which develops processors for data centre and autonomous driving applications.

NXP and Kalray announced they were working together a year ago at CES 2019.

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### EVENTS

#### [Silicon Chip Industry Seminar](#)

-15 June 2020– London UK

#### [Industry Forecast Briefing](#)

– 15 Sept 2020 – London UK

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### Infineon Gets Final Approvals for Cypress Purchase

Within weeks of winning U.S. approval for the deal, Infineon Technologies today announced it has now received all necessary regulatory approvals for its acquisition of Cypress Semiconductor Corporation, and expects to close the transaction within five business days.

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## **IoT in Agriculture and Farming**

Agriculture is the primary source of food all over the world. It not only provides the food but raw materials for many industries and contribute significantly to the growth of GDP and economy of any country. It is also the main source of income in many countries.

With the evolution of urbanization, weather change and increasing population, agriculture sector is facing many challenges. There is a strong need to increase the production per unit area. Traditional method farming have led to degradation of farms because of uncontrolled use of resources, fertilizers and pesticides.

Smart agriculture has emerged as an important step towards increasing output and optimizing the use of resources. Smart agriculture is also very important towards organic farming and growing the type of fruits, vegetables or food grains demanded by consumers.

## **Apple Acquires Irish Voice Ai Startup Voysis**

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Voysis, based in Dublin with offices in Edinburgh, Scotland, and Boston, USA, was founded in 2012 by Peter Cahill, an academic researcher in the field of text-to-speech. The company raised \$8m in a series A round in 2017.

Voysis' speech generation and natural language processing technologies would be a natural fit with Apple's voice assistant, Siri (Image: Shutterstock)

Voysis went on to develop a full platform for voice interfaces, including speech recognition, natural language processing, dialogue management and text-to-speech technologies all built in-house. This platform came in versions for mobile apps, websites and devices.

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Wireless and positioning chips and modules provider u-blox has acquired internet of things (IoT) communications-as-a-service provider Thingstream for CHF 10 million (~ €9.5 million). u-blox said the acquisition will bolster its services portfolio with a comprehensive IoT connectivity solution which accelerates a path to providing customers with a complete silicon-to-cloud solution.

The acquisition enables u-blox to offer its customers complementary value-added services for IoT projects. Thomas Seiler, u-blox CEO, commented, "We are delighted to bring Thingstream under the u-blox business umbrella. Many of our existing 7,000 global customers will really benefit from this fantastic service given it removes all the barriers to getting data from their devices into the cloud."

## **NXP Invests €8m in Kalray for Automotive AI Chips**

NXP has made an €8m (about \$9m) strategic investment in French fabless chip company Kalray, which develops processors for data centre and autonomous driving applications.

NXP and Kalray announced they were working together a year ago at CES 2019. They will collaborate on a central computing platform for automotive, including hardware and software. It will target near-term L2 and L3 applications (partial driving automation) while also addressing future needs of L4 and L5 (fully autonomous) vehicles.

Kalray's third-generation MPPA chip, Coolidge, has improved AI capabilities compared to its predecessor, and it can run 25 TOPS (Image: Kalray)

The first result of the collaboration will be the next generation of NXP's development platform, BlueBox. It will feature NXP's S32 ASIL-D and ASIL-B qualified vehicle network processor as a host, which will target path planning functions. It will work alongside Kalray's massively parallel processor array (MPPA) chip, which will handle the machine learning aspects of perception

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Within weeks of winning U.S. approval for the deal, Infineon Technologies today announced it has now received all necessary regulatory approvals for its acquisition of Cypress Semiconductor Corporation, and expects to close the transaction within five business days.

The two companies had signed a definitive agreement back in June 2019, under which Infineon would acquire Cypress for €9 billion. With the acquisition, Infineon said it would be able to offer the industry's most comprehensive portfolio for linking the real with the digital world in the quest for digitalization. The company said a path to profitable growth will evolve as it moves to providing system solutions for the automotive, industrial and internet of things (IoT) markets.