

DECAWAVE ANNOUNCES EX-INTEL VP JIM O'HARA AS CHAIRMAN; NAMES NEW BOARD MEMBERS



Pictured (l-r): Michael McLaughlin, President and CTO; Jim O'Hara, Chairman; and Ciaran Connell CEO DecaWave

DecaWave has announced the appointment of ex-Intel VP Jim O'Hara as Chairman of the company. DecaWave has also announced the appointment of two new board members: Anthony Bermingham (Ireland) and Gerry Jacknow (USA) were named directors, while Brendan Delaney is named as Company Secretary.

Jim O'Hara is a leading figure in Irish technology and business. He is former Vice President of Intel Corporation and General Manager of Intel Ireland, where he was responsible for Intel's technology and manufacturing group in Ireland. He is also a Board member of Enterprise Ireland, and is on the board of a number of Irish public companies.

"We are delighted to welcome the experience of our new directors to the board of DecaWave" said Ciaran Connell, CEO DecaWave. "The appointment of Jim O'Hara as Chairman brings unique expertise and stature to DecaWave, and we are honoured that he has agreed to chair the company, to offer us his guidance and strategic vision at this vital time for the company, as we seek to complete our final round of funding to bring ScenSor to commercial production".

DecaWave completed a €6m funding round in March 2012.

ScenSor MPW2 Results Continue to Impress

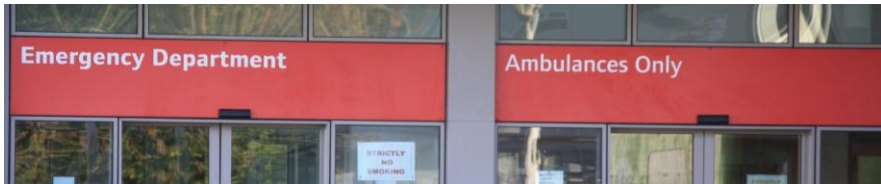
DecaWave is pleased to report very positive results from our in-house testing of MPW2 of ScenSor, which has been undergoing a rigorous programme of examination since it returned from the foundry.

A detailed testing program has been underway since the sample chip's arrival in October 2011. That testing process has verified the operation of each part of the device independently, followed by the device as a whole. While knowledge of the functionality of the device was obtained quickly, detailed characterisation of each circuit and subsystem took longer to validate, a process which is largely now complete.

"The successful outcome to this crucial phase of ScenSor's development is testament to our world class team of engineers, led by Willie McFadden, who all deserve a lot of credit," says Ciaran Connell CEO DecaWave. "ScenSor MPW2 is meeting all of the expectations we have invested in it, and we are now testing beta samples with selected vertical partners as a next step towards full commercial production."

"For this latest phase of testing, we are working with a small number of partner firms to ensure vertical-specific functionality, prior to ScenSor's full commercial production and release, which we anticipate to commence from Q2 2013," he says.

REAL TIME LOCATION SYSTEMS (RTL) IN HEALTHCARE: THE SCENSOR ADVANTAGE



Smart Hospitals and Patient Home Care are the two principle areas in which RTLS is having an explosive impact in the healthcare market.

Analysts predict the RTLS healthcare market will grow by up to 43% CAGR between 2010 and 2016, reaching \$2.4B in 2016. Tag revenue represents 35% of the total RTLS revenue, with other parts being hardware equipment and software.

The healthcare market is principally driven by the need for ever higher quality patient care and treatments. However, with this comes the need to ensure maximum efficiency of resources: from capital expenditure to infrastructure to personnel and hospitalization fees. This is achieved by greater efficiencies: maximizing the use-time of expensive material, and by increasing efficiency in personnel time and bed occupancy while reducing hospitalization times.

And this is where RTLS can bring enormous value: new applications are geared towards increasing efficiency across the board, maximizing personnel and equipment value while maintaining ever higher quality of care and treatment, Asset tracking and monitoring (expensive surgical, diagnostics and therapy material, tissue, blood, food, bed occupancy), personnel location (nurses, doctors), secured access control (authorized personnel only areas, Alzheimer patient security, quarantine areas), and patient and infant monitoring (the right material with the right patient in the right room, infant and mother matching etc.), these are all areas where RTLS technologies are already making major advances in efficiency.

Current systems are based on RSSI techniques (Radio Signal Strength Indicator) to determine the location of the considered tag. But based on WiFi radio signal or more recently other IEEE802.15.4 narrow band transceivers, this cannot deliver the desired accuracy. Moreover to deliver reliability these technologies need be complemented with other technologies such as Infra-red, ultra-sound or RFID.

This combination of technologies leads to a cost increase of the equipment driving the cost of tags to a level that limits the penetration of RTLS systems. It is also power hungry and reduces the battery life, increasing maintenance costs and reducing the expected ROI.

And this is where ScenSor brings a real value to our customers. DecaWave has a definite technical competitive advantage over incumbent solutions: DecaWave ScenSor IC provides 450m LOS and 43m NLOS range, a precision of +/- 10cm in distance measurement, a very high immunity to multi-path fading and interferences and very low power consumption.



IEEE802.15.4a Merge

IEEE has announced the merging of standard IEEE802.15.4a into IEEE802.15.4-2011.

The IEEE Standard for Local and Metropolitan Area Networks — Part 15.4: Low-Rate Wireless Personal Area Networks (LR-WPANS) was approved on 16 June 2011 by the IEEE-SA Standards Board and published in autumn 2011. This 2011 revision rolls in 802.15.4a-2007, 802.15.4c-2009, 802.15.4d-2009 and 802.15.4h Corrigendum 1.

DecaWave VP Software Billy Verso (*pictured above*) was named as one of 14 major contributors to the merged standard.

MPW2 Customer Sampling Starts in July

DecaWave will begin sampling customers with MPW2 evaluation kits this coming July. We already have significant demand for samples, and please note that we have a limited amount of MPW2 samples.

We are working to satisfy as many customers as we can, so please don't hesitate to contact DecaWave to confirm your needs for samples if you have not already done so. For further information please contact Leo Theunissen here, or send your PO to leo.theunissen@decawave.com