

# FutureHorizons



The Global Semiconductor Industry Analysts

## FH MONDAY

8 July 2015

### GlobalFoundries

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### Solar Powered Wi-Fi I

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### Lock On Foundry System

Taiwan will account for 30% of the world's spending on fab equipment this year, says SEMI.

The island now has 21% of the world's chip manufacturing capacity and 25% of the world's 300mm capacity...

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### Magnachip

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- 21<sup>st</sup> Sept 2015 - London UK

### [Industry Forecast Briefing](#)

- 24<sup>th</sup> Sept 2015 - London UK

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### ***GlobalFoundries Takes Control Of IBM Semiconductor Division***

The final step in closing the deal was winning approval from the U.S. government, which came this week. That was needed because of some of the technology that transfers from IBM to the new company, which was formed in 2009 and is controlled by United Arab Emirates.

The Vermont plant, which opened in 1957, has long been a major economic engine for the state. A study by the Greater Burlington Industrial Corporation estimated IBM's presence generates \$1 billion in economic activity each year.

Several top Vermont IBM executives have moved over to GlobalFoundries and the new company hired 3,000 former IBM employees.

### ***India Launches Solar-Powered Wi-Fi System***

In a bid to advance the Digital India initiative, C-DOT launched four broadband products today, including a solar-powered Wi-Fi system, according to an official statement quoted by Hindustan Times. C-DOT is the research and development institute of the Department of Telecommunications.

Communications Minister Ravi Shankar Prasad unveiled the solar-powered Wi-Fi along with 100Gbit/s optical fibre cable (OFV) link, long distance Wi-Fi system and C-DOT's next generation network (NGN) in MTNL network. The launch was part of the Digital India week.

Operating in licence-exempt bands of 2.4GHz and 5.8GHz, the solar-powered Wi-Fi system is designed to be used in outdoor environments and inaccessible terrains, where power is in short supply, according to C-DOT. It can also function in harsh conditions and with variable input voltages.

### ***Taiwan's Lock On Foundry Industry***

Taiwan will account for 30% of the world's spending on fab equipment this year, says SEMI.

The island now has 21% of the world's chip manufacturing capacity and 25% of the world's 300mm capacity.

This year Taiwan companies will spend \$10.5 billion on fab equipment.

Taiwan companies will also spend \$1.5 billion on packaging and test equipment.

Taiwan IC shipments were \$10.5 billion in Q1 2015 and are expected to be \$9.6 billion in Q2 and \$10.1 billion in Q3.

### ***Magnachip To Develop 0.18 Micron Automotive Process Technology With ABOV, UNIST And SNU***

SEOUL, South Korea and CUPERTINO, Calif., July 6, 2015 /PRNewswire/ -- MagnaChip Semiconductor Corporation ("MagnaChip") MX, -1.08% a Korea-based designer and manufacturer of analog and mixed-signal semiconductor products, announced today that it has started the co-development of an automotive MCU process with ABOV Semiconductor, Automotive Electronic Systems and Semiconductors Lab. of UNIST (Ulsan National Institute of Science and Technology) and Analog & Mixed Signal Integrated Circuit Lab. of SNU (Seoul National University) using MagnaChip's 0.18 micron automotive process.

MagnaChip plans to develop MCU products with ABOV, a fabless semiconductor company specializing in MCU products, using MagnaChip's 0.18 micron automotive process. The launch of this co-development project with ABOV will strengthen and expand MagnaChip's position in the automotive MCU market. Using MagnaChip's 0.18 micron automotive process, MagnaChip and ABOV plan to jointly develop IP and MCU products qualified under condition AEC Q100 Grade 0.