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The Global Semiconductor Industry Analysts

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Bosch India Strengthens Smart Solutions Portfolio

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Atos Wins Deal to Make Supercomputers in India

BENGALURU — French IT services firm Atos has won a three-year contract to build the first phase of supercomputers under India's $650 million National Supercomputing Mission (NSM). The supercomputers will be used to create a cluster of 70 machines for weather forecasting, drug discovery and data mining.

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TALK TO US

Semiconductor firm SSMC opens S$300m facility

SEMICONDUCTOR firm Systems on Silicon Manufacturing Company (SSMC) expanded its footprint in Singapore on Tuesday, with the opening of its S$300 million Annex 10 clean room.

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Arm Abandons Cordio Hardware Development

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Bosch India Strengthens Smart Solutions Portfolio

BENGALURU — Bosch has launched a slew of smart solutions in India based on growing infrastructure and consumer demand. The company has forayed into new verticals with digital solutions at the core leveraging the successful collaboration of its cross-divisional teams, engineering heritage and strong presence in the Indian market. Over the last few years, beyond-mobility solutions have gained 35 per cent and have contributed significantly to the Bosch Group's turnover.

"Our business is in a process of profound transformation from a hardware focus to models that focus more on services and data. We have the capability to develop greenfield technology that can power industries in a new-age manner," says Soumitra Bhattacharya, Managing Director, Bosch Limited and President, Bosch Group, India. "The key to success will be partnership with local players to drive connectivity forward and a localized strategy to meet consumer demand," adds Bhattacharya. Here are some of the India-specific digital solutions:

Atos Wins Deal To Make Supercomputers In India

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The tender for these high-performance computers (HPC) had been floated by the Centre for Development of Advanced Computing (C-DAC) in February, according to a report in The Economic Times.

Atos, a global leader in digital transformation with an annual revenue of € 13 billion, would be deploying its energy efficient Direct Liquid Cooled BullSequana supercomputers in India. Atos's HPC R&D has designed the BullSequana X series of servers to provide maximum flexibility in terms of interconnect, power, and cooling, and cover the widest possible spectrum of applications. The BullSequana X supercomputers offer an infinitely adaptable response, with a large choice of compute nodes, accelerated nodes and specialized nodes. And this multitude of components can be combined, in a completely customized way, into a single system and managed as a single system using the Bull supercomputer suite.

Automotive Remains Hot Market For Chips

SAN FRANCISCO — Automotive electronics systems are projected to grow the fastest of the six major end markets for semiconductors through 2021 as technology advancements continue to increase the electronic content of vehicles.

Sales of automotive electronics systems are forecast to grow 7% this year, reaching $152 billion, before growing an additional 6.3% next year to reach $162 billion. The projection that automotive electronics systems sales will increase at a compound annual growth rate of 6.4% from 2017 to 2021, topping all other major electronics systems categories.

The latest forecast calls for the global electronics systems market to be worth $1.62 trillion this year. It is expected that automotive electronics systems will account for 9.4% of that total, up slightly from 9.1% last year.

Semiconductor Firm SSMC Opens S$300m Facility

Semiconductor firm Systems on Silicon Manufacturing Company (SSMC) opened a $300 million clean room here yesterday.

The 4,400 sq m facility represents a 34 per cent increase in space for automotive and speciality chip manufacturing. It will help SSMC raise its automotive wafers production from 26 per cent of the firm's capacity to 40 per cent, and potentially up to 60 per cent by 2023.

The plant has fully automated robots and material handling systems, as well as Internet of Things technology and big data analytics for better efficiency. The firm's wafers have a wide range of applications, from e-passports and e-payments, to radio-frequency identification tags in the transport and supply chain industries, and smartphones.

Arm Abandons Cordio Hardware Development

LONDON — Arm is abandoning development of its Cordio hardware IP for low-power wide-area network (LPWAN) applications based on the NarrowBand IoT standard, but will continue to concentrate on the Cordio BLE software stack, EE Times has learned.

In recent weeks, Arm shuttered its office in Lund, Sweden, and Loughborough, U.K., cutting jobs and halting work on Cordio. While the Lund office was focused on NB-IoT solutions, the Loughborough office was working on Arm's image signal processor.