GLOBALFOUNDRIES Unveils Ecosystem Partner Program to Accelerate Innovation for Tomorrow's Connected Systems

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FDXcelerator™ Partner Program expands the ecosystem and promotes faster, broader deployment of GF's FDX™ portfolio

Santa Clara, Calif., September 8, 2016 – GLOBALFOUNDRIES today announced a new partner program, called FDXcelerator™, an ecosystem designed to facilitate 22FDX® system-on-chip (SoC) design and reduce time-to-market for its customers.

With the recent announcement of the company's next-generation 12FDX™ technology, the FDXcelerator Partner Program builds upon GF industry-first FD-SOI roadmap, a lower cost migration path for customers desiring advanced node design.

Together with GF and FDXcelerator Partner solutions, customers will be able to build innovative 22FDX SoC solutions as well as ease migration to FD-SOI from bulk nodes such as 40nm and 28nm. Initial FDXcelerator Partners have committed a set of key offerings to the program, including:

- tools (EDA) that complement industry leading design flows by adding specific modules to easily leverage FDSOI body-bias differentiated features,
- a comprehensive library of design elements (IP), including foundation IP, interfaces and complex IP to enable foundry customers to start their designs from validated IP elements,
- platforms (ASIC), which allow a customer to build a complete ASIC offering on 22FDX,
- reference solutions (reference designs, system IP), whereby the Partner brings system level expertise in Emerging application areas, enabling customers to speed-up time to market,
- resources (design consultation, services), whereby Partners have trained dedicated resources to support 22FDX technology, and;
- product packaging and test (OSAT) solutions.

"22FDX is increasingly gaining momentum as the platform of choice to build differentiated, highly-integrated system solutions," said Alain Mutricy, senior vice president of Product Management at GF. "Now is the time to step up industry collaboration to enable our customers to accelerate adoption of 22FDX. FDXcelerator will extend the reach of the FD-SOI ecosystem by creating a market place for truly innovative FDX-tailored solutions and services."

The FDXcelerator Partner Program creates an open framework to allow selected Partners to integrate their products or services into a validated, plug and play catalog of design solutions. This level of integration allows customers to create high performance designs while minimizing development costs through access to a broad set of quality offerings, specific to 22FDX technology. The Partner ecosystem positions members and customers to take advantage of the broad adoption and accelerating growth of the FDX market.

FD-SOI technology has been gaining ground as designers leverage the process as an alternative to Fin-FET-based technologies for chips that require performance on demand and energy efficiency at the lowest solution cost. According to a recent Linley Group Microprocessor Report, *FD-SOI Offers Alternative to FinFET*, GF's FDX technologies provide an alternative path for applications that cannot accept the cost and complexity of FinFETs.

Initial partners of the FDXcelerator Partner Program are: Synopsys (EDA), Cadence (EDA), INVECAS (IP and Design Solutions), VeriSilicon (ASIC), CEA Leti (services), Dreamchip (reference solutions) and Encore Semi (services). These companies have already initiated work to deliver advanced 22FDX SoC solutions and services. Additional FDXcelerator members will be announced in the following months.

Customers and Partners interested in learning more about FDXcelerator can visit www.globalfoundries.com/FDXcelerator.

Supporting Quotes

"We collaborated with GF to develop comprehensive Cadence FD-SOI-ready flows for customers using FDX technologies. Through the GF FDXcelerator Partner Program, our mutual customers have access to the tools and support they need to create advanced SoC designs within tight market deadlines."

Tom Beckley, senior vice president and general manager, Custom IC and PCB Group at Cadence

"FD-SOI technology is a strategic solution enabler for Dreamchip. We are thrilled to join the FDXcelerator Partnership Program as an initial member. This collaboration will enable mutual customers to access Dreamchip's validated design capabilities focused on automotive ADAS multi-processor SoC FDX-centric implementation, system, and embedded software solutions, enabling the

industry for cost effective autonomous driving applications."

Dr. Jens Benndorf, managing director and COO, Dreamchip

“Encore Semi is thrilled to expand its collaboration with GF and support the FDXcelerator initiative. The FD-SOI technology really opens the door for design innovation. GF and its customers can rely on Encore Semi’s experts to positively impact their FD-SOI projects.”

Olivier Lauvray, president and COO, Encore Semi

"Our companies charter is to provide unrivaled IP solutions, ASIC and Design Services, and software and system-level expertise to GF customers. Thereby ensuring 22FDX customers are getting the most out of the technology and lowering the barrier of design complexity and schedule. Building on our strategic relationship, we are honored to be an initial partner in GF FDXcelerator Program, the ground-breaking initiative to enable a broader range of customers, accelerate time-to-volume, and create a broader range of solutions on GF FDX technologies."

Dasaradha Gude, CEO, INVECAS

“This kind of partnership is a key part of Leti’s global strategy. GF FDXcelerator positions Leti to help a broad range of designers utilize FD-SOI technologies significant strengths in ultra-low-power design, giving customers increased access to our respective technologies.”

Marie Semeria, CEO, Leti

"Synopsys is pleased to be part of the FDXcelerator program as an initial member. The collaboration between Synopsys and GF on the FDX platform provides mutual customers access to FD-SOI specific end-to-end EDA solutions. This includes seamless support for the body bias design capability that enables adaptive SoC operation marrying high performance design and ultra-low-power operation. We look forward to supporting customers who will unlock the FDX value proposition through the validated Synopsys Galaxy Design Platform."

Bijan Kiani, vice president of product marketing for Synopsys’ Design Group

"VeriSilicon offers our customers custom silicon solutions based on our best-in-class IPs. Our end-to-end semiconductor turnkey services can not only shorten their design cycle, but also enhance quality and reduce risk. By becoming an FDXcelerator partner, we have rich IPs and design tools to offer our customers the best in breadth and flexibility in 22FDX solutions and design services.”

Wayne Dai, VeriSilicon chairman, president and chief executive officer

About GF

GF is the world’s first full-service semiconductor foundry with a truly global footprint. Launched in March 2009, the company has quickly achieved scale as one of the largest foundries in the world, providing a unique combination of advanced technology and manufacturing to more than 250 customers. With operations in Singapore, Germany and the United States, GF is a foundry that offers the flexibility and security of manufacturing centers spanning three continents. The company’s 300mm fabs and 200mm fabs provide the full range of process technologies from mainstream to the leading edge. This global manufacturing footprint is supported by major facilities for research, development and design enablement located near hubs of semiconductor activity in the United States, Europe and Asia. GF is owned by Mubadala Development Company. For more information, visit http://www.globalfoundries.com.

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