Racyics Launches ‘makeChip’ Design Service Platform for GLOBALFOUNDRIES’ 22FDX® Technology

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Racyics will provide IP and design services as a part of the foundry’s FDXcelerator™ Partner Program

Dresden, GERMANY – 10 May, 2017 – Racyics GmbH announced today it has launched makeChip, an innovative design service platform, developed using GLOBALFOUNDRIES' 22FDX® process technology and supported by Cadence. Available to start-ups, design experts, research institutes, and universities, makeChip is a central gateway to design integrated circuits based on advanced semiconductor technologies.

The platform provides an IT infrastructure with a full set of EDA tool installations and technology data setup such as PDKs, foundation IP, and complex IP. All tools and design data are linked by Racyics’ silicon-proven design flow and project management system. The turnkey environment enables any makeChip customer to realize complex systems on chips (SoCs) in the most advanced technology nodes.

GF’s 22nm FD-SOI technology, 22FDX, provides advantages in power efficiency and production cost. One key factor to a successful design, leveraging the full potential while achieving shortest time-to-market, is the support of a highly experienced design enablement team.

As a part of GF's FDXcelerator Partner Program, Racyics makeChip will provide comprehensive support for the most advanced technologies and thus helps smaller players to realize their enormous innovative potential.

“We want to move start-ups, small and medium sized businesses, and academia to the leading-edge of the game. With makeChip, we enable them to quickly execute analog, mixed-signal and digital designs in GF’s 22FDX technology, so they can develop the hardware basis for high-volume applications in the fields of IoT and Industry 4.0,” stated Holger Eisenreich, CEO of Racyics.

“Our 22FDX technology is quickly becoming a platform of choice for market-focused applications that require low power and operational efficiency with an affordability advantage,” said Alain Mutricy, senior vice president of Product Management at GF. "This collaboration with Racyics and Cadence will help lower the barrier of entry for SMEs, start-ups, and academia."

Access to makeChip includes a complete digital design flow with advanced silicon-proven solutions from Cadence without additional costs for non-commercial academic projects. For commercial projects, different contract agreements will be applied.

“The Cadence full-flow digital solution, is a perfect match for the makeChip design platform. Users are enabled to meet their power, performance and area targets, “ said Jens Werner, Vice President, Technical Field Operation, at Cadence. “The makeChip platform will help to grow design starts in Europe and beyond.”

Racyics provides its in-house 0.4V IP for 22FDX to makeChip customers. It is free of charge in the frame of non-commercial projects and enables platform users to be the first in the world to explore an ultra-low voltage design space and uses its unparalleled potential for energy-efficient operation.

Already running with two 22FDX pilot projects, makeChip platform is now open to academia and commercial entities to jump-start their design projects. For more information, visit www.makechip.design.

About Racyics
Racyics is an experienced design house based in Dresden, Germany. We offer design and implementation services for analog, mixed-signal and digital ICs. Working for leading European semiconductor companies for many years, the Racyics team contributed to numerous successful chip designs down to 28nm feature size for automotive, consumer and communication applications. As GLOBALFOUNDRIES’ channel partner with focus on advanced and leading- edge technologies, Racyics provides access to 28nm, 22nm and 14nm prototyping runs (MPWs). Furthermore, Racyics offers design enablement services for European SMEs and academia. For more information, visit www.racyics.com.

About GLOBALFOUNDRIES
GLOBALFOUNDRIES is a leading full-service semiconductor foundry providing a unique combination of design, development, and fabrication services to some of the world's most inspired technology companies. With a global manufacturing footprint spanning three continents, GLOBALFOUNDRIES makes possible the technologies and systems that transform industries and give customers the power to shape their markets. GLOBALFOUNDRIES is owned by Mubadala Development Company. For more information, visit http://www.globalfoundries.com.

About Cadence
Cadence enables electronic systems and semiconductor companies to create the innovative end products that are transforming

the way people live, work and play. Cadence’s software, hardware and semiconductor IP are used by customers to deliver products to market faster—from semiconductors to printed circuit boards to whole systems. The company’s System Design Enablement strategy helps customers develop differentiated products in mobile, consumer, cloud datacenter, automotive, aerospace, IoT, industrial and other market segments. Cadence is listed as one of FORTUNE Magazine's 100 Best Companies to Work For. Learn more at cadence.com.