

FORWARD AS ONE SEMICON® EUROPA

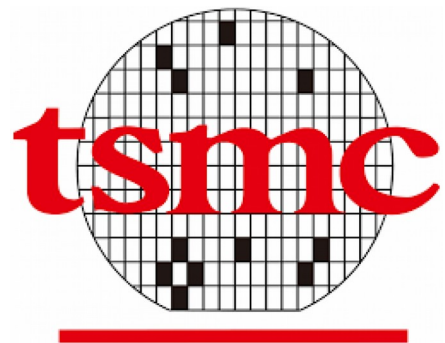


Executive Forum 2

Digitize the Future



M. Marced
President
TSMC Europe BV, Amsterdam, Netherlands



Abstract

Maria Marced will explore the impact on the semiconductor industry of a digitized lifestyle which the pandemic has accelerated. The semiconductor industry is absolutely essential and is at a turning point, we have to do an extra effort to enable and drive the megatrends of Ubiquitous Communications and High Performance Computing, with technology and manufacturing accelerating the transformation to a digital society.

Biography

Dr. Maria Marced is President of TSMC Europe, a wholly owned subsidiary of Taiwan Semiconductor Manufacturing Co. Ltd. (TSMC), with responsibility for driving the development, strategy and management of TSMC's business in Europe, the Middle East and Africa.

Before joining TSMC, Dr. Marced was Senior Vice President of Sales and Marketing at NXP/Philips Semiconductors. She also served as General Manager of Philips' Connected Multimedia Solutions Business Unit. Dr. Marced spent over 19 years at Intel, rising to become Vice President and General Manager of Intel EMEA.

Dr. Marced currently serves as Chairwoman of the Global Semiconductor Alliance (GSA) EMEA leadership council, an organization dedicated to the advancement of the worldwide semiconductor industry.

Maria Marced holds a Ph.D. degree in Telecommunications Engineering from Universidad Politecnica de Madrid, Spain.

Accelerating the Secure Intelligent Edge



L. Reger
Chief Technology Officer
NXP Semiconductors, Eindhoven, Netherlands



Abstract

Edge Computing cuts across the IoT, from home and work to the most complex of all— (autonomous) transportation. Coupled with rising digitization that leads to everything connected and advanced sensing capabilities, high-performance edge compute platforms are transforming ecosystems and the development landscape. This includes those rooted and initiated in Europe, but with a global reach and purpose. In this talk, NXP CTO Lars Reger will share insights on smart, secure real-time edge platforms that cross IoT markets to learn preferences, anticipate needs, dynamically respond and ultimately lead to seamless connected experiences everywhere.

Biography

Lars Reger is executive vice president and chief technology officer of NXP Semiconductors. As CTO, Lars is responsible for managing new business activities and R&D in the focus markets of automotive, industry 4.0., internet of things (IoT), mobile, and connectivity & infrastructure.

Before joining NXP, Lars gained deep insight into the microelectronics industry with a focus on the automotive sector. He began his career with Siemens Semiconductors as product engineer in 1997. His past roles at Infineon included head of the process and product engineering departments, project manager for mobile system chips, and director of IP management. Prior to joining NXP as head of automotive strategy in 2008, he was responsible for business development and product management within the connectivity business unit at Continental. In December 2018, Lars was appointed CTO and has since then been responsible for the overall technology portfolio of NXP. Since April 2019, he has been a board member of the committee for digital economy, telecommunications and media in the German Industry Association. Lars is also on the board of directors of ITS World Congress and a member of the Forbes Technology Council. Lars earned a degree in physics from Rheinische Friedrich-Wilhelms-Universität in Bonn and an MBA from London Business School.

Sustainability of the Semiconductor Industry



K. Wilson
President
Edwards Semiconductor, West Sussex, United
Kingdom



Abstract

Overview of the environmental impact of the Semiconductor industry and how we need to work together through the supply chain to minimise this.

Biography

Kate Wilson has more than 25 years' experience in the development and delivery of vacuum and abatement solutions for the global semiconductor industry.

Kate joined Edwards in the UK in 1994 on the company's graduate scheme, moving on to develop her career through a number of product management and business development roles. In 1998, Kate relocated to the US to take up the role of Applications Engineer, working closely with semiconductor OEM customers to understand and develop solutions for their vacuum and abatement requirements.

From 2011, Kate played a key role in developing Edwards' global Applications capability, with a focus on knowledge management and the conversion of customer and market information into product requirements. In the role of Global Applications Manager, Kate relocated to Korea for two years, during which time she gained excellent knowledge of Korean culture and was instrumental in helping Edwards build customer knowledge and relationships across the Asia region.

In 2017, Kate was appointed VP Marketing Subfab Solutions for Edwards' global Semiconductor business, successfully supporting revenue growth through the delivery of market technology roadmaps, differentiated products, sales support, and operations forecasting to enable market share growth.

Kate took up the role of President of Edwards' Semiconductor division in January 2021, based in Burgess Hill, UK.

Merck's Sustainability Strategy and our expectation to European Legislation



P. Wicklandt
Senior Vice President, Head of Corporate
Sustainability, Quality and Trade Compliance
Merck KGaA, Corporate Sustainability, Quality and
Trade Compliance, Darmstadt, Germany



Abstract

Merck defines a 'sustainable company' as one that uses its core business practices to drive long-term value creation in environmental, social, governance, and financial terms for itself, the stakeholders, and the society. We are committed to implement sustainability in all our 3 business sectors: Electronics, Healthcare and Life Science. Sustainability provides for each sector opportunities and challenges. The Electronics industry is rapidly changing and growing. Decoupling economic growth and greenhouse gas emissions is just one example of the challenges we need to master.

Our ambition is to leverage science and technology to achieve lasting progress for mankind. For us, sustainable entrepreneurship and profitable growth go hand in hand. We can ensure our own future competitiveness only by creating value for society.

At the same time, we endeavor to avoid generating subsequent costs for society. By creating value for society, all our businesses are committed to tackle the challenges laid out in the 17 global UN Sustainable Development Goals (SDGs). Sustainability is an essential component of our Group strategy.

We have defined three overarching goals within our sustainability strategy:

- In 2030, we will achieve human progress for more than one billion people through sustainable science and technology.
- By 2030, we will integrate sustainability into all our value chains.
- By 2040, we will achieve climate neutrality and reduce our resource consumption.

In working towards these objectives, we are helping reach the global UN Sustainable Development Goals (SDGs). Through our business and our behavior, we contribute the most to the following five SDGs:

- SDG No. 3: Health and Well-being
- SDG No. 8: Decent Work and Economic Growth
- SDG No. 9: Industry, Innovation and Infrastructure
- SDG No. 12: Responsible Consumption and Production
- SDG Nr. 17: Partnerships for the Goals

The European legislation with its new Green Deal will be a critical component to support and enable European companies with their sustainability ambitions and implementation plans. We will describe our expectations to the European Legislation.

Biography

Petra Wicklandt is Head of Corporate Sustainability, Quality and Trade Compliance at Merck KGaA Darmstadt. Her responsibility comprises driving and executing Merck's Corporate Sustainability Strategy and ensuring Corporate Regulatory Compliance in terms of Quality, Chemical Regulations, Environment, Health and Safety, Animal Welfare, Trade Compliance, Corporate Security and Crisis Management.

Before she was Head of Corporate Affairs overseeing Government & Public Affairs focusing on the three business sectors Healthcare, Life Science and Electronics with local and regional teams in Darmstadt, Berlin, Brussels, Boston, Washington D.C., Beijing and Shanghai. Petra's responsibility also comprised Group Corporate Sustainability including the healthcare specific aspects like Global Health, Access to health and Merck's Program to fight Schistosomiasis, Bioethics and Digital Ethics.

Before Petra was Global Head of Chemical & Pharmaceutical Development in Healthcare R&D. During this time Petra served at the R&D governance bodies and led several cross-functional projects to improve cycle times and the probability of success of preclinical and clinical development.

Previously Petra was also the Site Head for Merck's R&D in the Headquarters in Germany. This responsibility included cross-functional change & infrastructure projects, health & safety as well as quality related projects and site-specific investment planning.

Petra has also extensive experience in Healthcare Production. She was formerly Head of Parenteral and Liquids Production and served as acting Head of Pharmaceutical Production in Germany. She was responsible for refurbishment and structural re-organization of this production unit.

Petra joined Merck in 1994 after holding a position at DuPont Pharma in the Medical and Scientific Information Department.

Petra holds a degree in Pharmacy and received her PhD in Pharmaceutical Technology from the Johannes Gutenberg University, Mainz in Germany. Petra is married with 2 children and resides in the Rhein-Main Area in Germany.