

THE ROAD TO \$2BIL

Michael Müller Director Metallisation and **Stefan Schwantes**, General Manager Waferfab, Nexperia HH talk about the company's vision for 2020 and the importance of working closely together with key partners like Evatec for successful realisation of the company ramp up plans.



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Our markets are growing

The combined market for Discretes, Logic and MOSFET products is expected to reach \$10 Billion by 2020. Working in a market that's growing is always great as it brings opportunity for us to grow too, but we know that our competitors will be just as keen to grab that extra business as we are, so having the right strategy is essential to make sure we achieve our goal of being a \$2 Billion company by 2020.



Building on Nexperia's existing values

Our focus remains on efficiency, producing consistently reliable semiconductor components at high volume to meet the stringent standards set by the Automotive industry. That means delivering small packages, produced in-house, combining power and thermal efficiency with best-in-class quality levels. Continuing to be adaptable to global mega trends in the Automotive Industry like electric vehicles will be essential to our success.

Alongside efficiency and quality, our customers value reliability and a consistent supply they can trust. We offer the highest capacity in the industry for various packages, and continuously invest in new capacities. We work at every step to safeguard the long-term availability of our manufacturing processes and products, to ensure secure supply for our customers. Delivering complete customer satisfaction will also be key.

Investing in manufacturing

The majority of our capital investment over the coming years will go into expanding our production capacity. In terms of thin film technology that means increasing capacity for front and backside metallisation processes on Evatec's CLUSTERLINE® primarily at our Hamburg facility and a continued move from 6" to 8" processing. It's a given that these processes will need to run at increasingly tough repeatability specifications and yield on tools running at ever higher uptimes.

Continuous improvement is a way of life

Working together with key suppliers in partnership is the only way to achieve long term success. We need suppliers who will be there in the long term, offering not only hardware but also process know-how, global support wherever our manufacturing is based, and the capability to offer customised solutions just for Nexperia.

The collaboration between today's Nexperia and Evatec companies goes back much further than the origins of these company names of course. The first equipment to come out of the then Balzers' factory was installed at Philips in Hamburg 40 years ago and today more than 15 Evatec systems are in 24/7 production in Hamburg. This long term collaboration led to several customised solutions, for example a worldwide unique process for sputtering and alloying a gold layer on ultra-thin silicon substrates in one process step.

The "OEE" improvement programmes we run with major suppliers continuously monitor existing tool performance.

Though today's OEE programme together with Evatec we improve operating procedures on our side, implement hardware upgrades to improve existing process performance, introduce new processes or address obsolescence and ensure the best tool uptime across our complete installed base. Evatec has consistently achieved a supplier rating on the highest level over the last years.



Recognising good performance

At the Nexperia Supplier Day in April 2018 we were pleased to present Evatec with the award in the "Front End Equipment" category, recognizing the strategic relationship, outstanding performance and Evatec's commitment to our ambitious growth plans and priorities. Reaching good understanding needs regular communication and the executive management of our two companies meet twice a year to ensure our expectations are clear.



“Working together for 40 years”

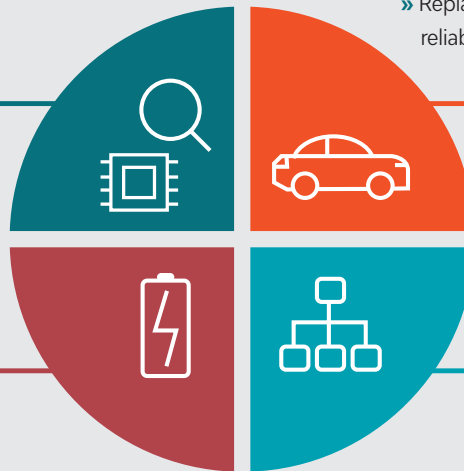
About Nexperia

Delivering benchmark solutions for today's market requirements in semiconductors

Nexperia leads in ultra-small, thermally enhanced packages

- » Everything is getting smaller
- » Convergence of technologies
- » Increased electronic content

Miniaturisation



Nexperia offers the best solutions for Automotive Discretes, Logic, MOSFETs

- » Safety & multimedia electronic content
- » Connected car (CtoC, Ctx)
- » Electrification of the car (braking, steering etc.)
- » Replacement of e/m relays by higher reliability MOSFETs

AECQ-100 / 101

Power efficiency

ESD / EMI Protection

Nexperia delivers the benchmark in low power consumption devices

- » Extended battery lifetimes
- » Less heat in integrated applications
- » Environmental regulations

Nexperia offers the best protection solutions for every interface

- » High-speed data rates
- » Connected devices and media applications everywhere

We are a dedicated supplier of Discretes, Logic and MOSFETs devices. Originally part of Philips, we became a business unit of NXP before becoming an independent company at the beginning of 2017.

Our company has 11,000 employees across Europe, USA and Asia, operates out of 5 manufacturing facilities (two front-end, three back-end sites) in Hamburg, UK, China, Malaysia and the Philippines to produce around 85 billion components annually from a portfolio of 10,000 active products to serve our global customer base.

More than 15
CLUSTERLINE® 200 in
production in Hamburg.

