

## Press Release

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### **Siltronic strengthens its GaN wafer activities**

**Munich, June 16, 2020** – Siltronic, a leading supplier of silicon wafers for the semiconductor industry, underlines its commitment to the emerging Gallium Nitride-on-Silicon (GaN-on-Si) market.

As Siltronic GaN-on-Si wafers exhibit very good performance in pilot lines of customers, the company has decided to invest further into an epitaxial reactor. And by providing GaN-on-Si wafers out of the new reactor, Siltronic supports an energy-efficient, sustainable and mobile future.

Growing new applications like data centers, renewables and the next generation of wireless networks (5G) need high switching frequencies and efficient energy management, while working under high power densities. GaN technology enables all three properties. By doing so, GaN technology not only supports future growth markets, but helps contributing in parallel to decarbonise digitalisation, energy distribution and mobility. Hence GaN-on-Si wafers are expected to be increasingly used as material of choice for such applications.

Siltronic started its GaN-on-Si activities as early as 2011 by joining the respective Imec Industry Affiliation Program (IIAP). A comprehensive and high performing GaN-on-Si technology platform was developed including GaN wafers aimed to be used for efficient power electronics as well as GaN-on-Si wafers for high frequency centered solutions like 5G based on 6" and 8" wafer diameter.

Siltronic is also investing in research on this future technology at EU level. Together with 25 other partners, the company is driving GaN technologies closer to the limits of its physical properties as part of the European "Ultimate GaN" research project, strengthening Europe's competence in power products and sustainable energy management.

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**Company profile:**

Siltronic is one of the world's largest manufacturers of hyperpure silicon wafers and partner to many leading semiconductor companies. The company operates production sites in Asia, Europe and the USA. Siltronic develops and manufactures silicon wafers in diameters of up to 300 mm. Silicon wafers form the basis for modern microelectronics and nanoelectronics and are a key component in semiconductor chips driving computers, smartphones, navigation systems and many other applications. Siltronic AG employs around 3,600 people and is a stock-listed company in Germany (Prime Standard). Siltronic shares are included in the MDAX and TecDAX.