

## EpiWorld accelerates Commercialization of SiC Devices with new AIXTRON Tool

AIX G5 WW C offers best-in-class production quality at lowest cost

**Herzogenrath/Germany, 07 November, 2019** – AIXTRON SE (FSE: AIXA), a worldwide leading provider of deposition equipment to the semiconductor industry, today announced that it has provided an [AIX G5 WW C](#) system to EpiWorld International Co., Ltd for the further development of next generation silicon carbide (SiC) epitaxial wafers mainly used for the manufacturing of power devices for automotive applications. The shipment and installation of AIXTRON's high-volume manufacturing system to EpiWorld's cleanroom facilities in Xiamen, China, has been conducted in Q3/2019.

The AIX G5 WW C MOCVD tool is based on AIXTRON's production-proven, fully-automated Planetary Reactor® platform disposing the largest batch capacity and highest throughput in the industry. The system offers flexible 6-inch or 4-inch configurations with the design aiming at squeezing production costs to a minimum, while maintaining excellent production quality.

EpiWorld seeks to further expand its production capacity to meet the increasing demand by customers. A leading China-based producer, the company has already completed production lines for 4- and 6-inch SiC epitaxial wafers for making 600V, 1,200V and 1,700V power devices.

"In recent years, we have been qualified as a leading supplier of SiC epitaxy wafers by device manufacturers in the automotive and various other sectors. Therefore, we have a strong footprint in one of the most challenging industries. We had so far served over 100 customers around the world. With this new addition, our annual capacity will be increased to 60,000 wafers in 2019. Our recently completed phase I expansion of an 18,000 square meters new facility is designed to provide manufacturing space for an annual capacity of up to 400,000 wafers. As we and our customers have high quality standards, we rely on industry leaders such as AIXTRON and their proven system technology to meet these requirements appropriately. We are looking forward to launch the high-volume production of our SiC epitaxial wafers with the AIX G5 WW C", says Dr. Gan Feng, General Manager of EpiWorld.

Dr. Felix Grawert, President of AIXTRON SE, comments: "We are delighted to cooperate with one of the leading epitaxy foundries to accelerate the further commercialization of silicon carbide. Silicon carbide will support the development of numerous high-end power electronics applications, meaning that we are paving the way for megatrends such as e-mobility or renewable energy."

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### For further information please contact

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# PRESS RELEASE



## About AIXTRON

AIXTRON SE is a leading provider of deposition equipment to the semiconductor industry. The Company was founded in 1983 and is headquartered in Herzogenrath (near Aachen), Germany, with subsidiaries and sales offices in Asia, United States and in Europe. AIXTRON's technology solutions are used by a diverse range of customers worldwide to build advanced components for electronic and opto-electronic applications based on compound or organic semiconductor materials. Such components are used in a broad range of innovative applications, technologies and industries. These include Laser and LED applications, display technologies, data transmission, SiC and GaN power management and conversion, communication, signaling and lighting as well as a range of other leading-edge technologies.

Our registered trademarks: AIXACT®, AIXTRON®, APEVA®, Atomic Level SolutionS®, Close Coupled Showerhead®, CRIUS®, EXP®, EPISON®, Gas Foil Rotation®, Optacap™, OVPD®, Planetary Reactor®, PVPD®, STExS®, TriJet®

For further information on AIXTRON (FSE: AIXA, ISIN DE000A0WMPJ6) please visit our website at: [www.aixtron.com](http://www.aixtron.com).

## About EpiWorld

EpiWorld International Co., LTD is a privately held company registered in the city of Xiamen, China. The company is a joint venture with investors from the United States, Japan and China, equipped with multiple most advanced epitaxial systems for 4-inch and 6-inch SiC epitaxy, auto defect identification and mapping system in a class-100 cleanroom. Its mission is to be the leading SiC epitaxial service foundry in the global market, providing the highest quality epitaxial wafers with the most competitive price in the shortest delivery time. As a pure play SiC epitaxial service foundry, EpiWorld provides standard 4H-SiC epitaxial wafers of 4-inch and 6-inch for Schottky diodes, MOSFETs, JFETs, and BJTs over a wide voltage range for green energy systems such as solar inverters, wind farms, hybrid and electric vehicles, and numerous other energy-efficient systems. EpiWorld also provides customized wafers for IGBTs, GTO thyristors, and R&D structures over a wider voltage range for medium to very high voltage power conversion system applications.

Further information are available at the company's website: [www.epiworld-cn.com](http://www.epiworld-cn.com)

## Forward-Looking Statements

This document may contain forward-looking statements regarding the business, results of operations, financial condition and earnings outlook of AIXTRON. These statements may be identified by words such as "may", "will", "expect", "anticipate", "contemplate", "intend", "plan", "believe", "continue" and "estimate" and variations of such words or similar expressions. These forward-looking statements are based on our current assessments, expectations and assumptions, of which many are beyond control of AIXTRON, and are subject to risks and uncertainties. You should not place undue reliance on these forward-looking statements. Should these risks or uncertainties materialize, or should underlying expectations not occur or assumptions prove incorrect, actual results, performance or achievements of AIXTRON may materially vary from those described explicitly or implicitly in the relevant forward-looking statement. This could result from a variety of factors, such as actual customer orders received by AIXTRON, the level of demand for deposition technology in the market, the timing of final acceptance of products by customers, the condition of financial markets and access to financing for AIXTRON, general conditions in the market for deposition plants and macroeconomic conditions, cancellations, rescheduling or delays in product shipments, production capacity constraints, extended sales and qualification cycles, difficulties in the production process, the general development in the semi-conductor industry, increased competition, fluctuations in exchange rates, availability of public funding, fluctuations and/or changes in interest rates, delays in developing and marketing new products, a deterioration of the general economic situation and any other factors discussed in any reports or other announcements, in particular in the chapter Risks in the Annual Report, filed by AIXTRON. Any forward-looking statements contained in this document are based on current expectations and projections of the executive board based on information available the date hereof. AIXTRON undertakes no obligation to revise or update any forward-looking statements as a result of new information, future events or otherwise, unless expressly required to do so by law.

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