

## **IQE extends production of 6-inch VCSEL with multiple AIX 2800G4-TM systems from AIXTRON**

Tools will be installed in recently announced South Wales production facility

**Herzogenrath/Germany, September 14, 2017** – AIXTRON SE (FSE: AIXA), a worldwide leading provider of deposition equipment to the semiconductor industry, received a multiple MOCVD system order from IQE plc (UK), the leading global supplier of advanced wafer products and wafer services to the semiconductor industry. The AIX 2800G4-TM automated Planetary reactors® expected to be deployed for the growth of gallium arsenide-based (GaAs) epi-wafers on 6-inch substrates for the production of VCSEL (vertical-cavity surface-emitting laser) for a range of photonic applications.

All systems are equipped with an 8x6-inch configuration and will complement the existing AIX 2800G4-TM tools already in production at IQE to meet the rapidly increasing market demand for VCSEL devices. AIXTRON's local support team will commission the new reactors until the first quarter 2018 in a new state-of-the-art production facility recently leased as part of the Cardiff Capital Region programs which have a goal of supporting the development of the Compound Semiconductor Cluster "CS connected" in South Wales.

Dr. Howard Williams, Chief Operating Officer at IQE, says: "We chose the AIX 2800G4-TM for our capacity expansion due to the excellent results we have already achieved with this platform in the past. As a proven tool for high-volume production in the area of photonic applications it enables excellent epitaxial quality and yield on 6-inch wafers whilst also providing the flexibility we require as an epi foundry to serve our customers. Furthermore, the AIX 2800G4-TM platform offers outstanding uniformity and reproducibility. In addition, the backing of the AIXTRON local support team will help us to quickly ramp up the systems and serve our customers timely in the current dynamic market situation."

Dr. Frank Schulte, Vice President Europe at AIXTRON, adds: "We have been collaborating with IQE for more than 20 years and we are looking forward to contribute to their business success by supporting the planned production ramp-up in the best way possible. The AIX 2800G4-TM reactor which can even accommodate 5x8-inch wafers has already built itself a strong reputation within the industry, mainly thanks to its unique material performance without compromising on the economies of scale of the AIXTRON Planetary batch concept."

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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, silicon, or organic semiconductor materials. Such components are used in a broad range of innovative applications, technologies and industries. These include LED applications, display technologies, data storage, data transmission, energy management and conversion, communication, signaling and lighting as well as a range of other leading-edge technologies.

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

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

## About IQE

IQE is the leading global supplier of advanced semiconductor wafers that enable a diverse range of applications, supported by an innovative outsourced foundry services portfolio that allows the Group to provide a "one stop shop" for the wafer needs of the world's leading semiconductor manufacturers.

IQE uses advanced crystal growth technology (epitaxy) to manufacture and supply bespoke semiconductor wafers "epi wafers" to the major chip manufacturing companies, who then use these wafers to make the chips which form the key components of virtually all high technology systems. IQE is unique in being able to supply wafers using all of the leading crystal growth technology platforms.

The manufacturers of these chips are increasingly seeking to outsource wafer production to specialist foundries such as IQE in order to reduce overall wafer costs and accelerate time to market.

IQE's products are found in many leading-edge consumer, communication, computing and industrial applications, including a complete range of wafer products for the wireless industry, such as smartphones and wireless infrastructure, Wi-Fi, base stations, and satellite communications; optical communications, optical storage, printing, thermal images, leading-edge medical technologies, automotive and aerospace technologies, a variety of advanced silicon based systems and high efficiency concentrator photovoltaic (CPV) solar cells.

IQE operates multiple manufacturing and R&D facilities worldwide. For more information on IQE, please visit: <http://iqep.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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