PRESS RELEASE

AIXTRON supports early stage researchers in researching of future semiconductor quantum components

AIXTRON is a partner of the new EU doctoral program QUANTIMONY / Research focus is on semiconductor materials and devices containing antimony / Applications are optoelectronics, datacomms and energy as well as future quantum semiconductor technologies

Herzogenrath/Germany, December 6, 2021 – AIXTRON (FSE: AIXA, ISIN DE000A0WMPJ6) is partner of the new international doctoral program QUANTIMONY. The leading provider of deposition equipment for the semiconductor industry is thus supporting the training of early stage researchers and at the same time the research into the future field of quantum technologies utilizing the chemical element antimony (Sb).

The EU funding program QUANTIMONY ("Innovative Training Network in Quantum Semiconductor Technologies Exploiting Antimony") is an innovative network for doctoral education in this field. It provides 14 junior researchers with PhD positions. They get into the field of semiconductor science and -technology a high-quality education that covers all scientific and engineering aspects from modeling to material growth and characterization to industrial use.

QUANTIMONY is configured as a multi-site network. It comprises eleven internationally renowned research teams as beneficiaries and is supported by twelve partner organizations. The combined consortium spans eight European countries, plus USA, Taiwan and Brazil.

Focus on antimony semiconductor components

The work focuses on research into semiconductor quantum components that contain the chemical element antimony. With QUANTIMONY a contribution should be made to raise the full potential of the III-Sb compound semiconductors GaSb, InSb, AlSb. Antimonic semiconductor components are to be used primarily in optoelectronic applications such as LEDs, lasers and detectors in the infrared spectral range as well as DRAM-memories, single photon sources and solar cells.

Via QUANTIMONY, antimony (Sb) compounds shall find a path to volume production by utilizing MOCVD-technology, enabling the usage in computers and memories, telecommunications, automobiles, robotics and many other applications beyond those that are already served in aerospace and security.

Investor Relations & Corporate Communications
AIXTRON SE / Dornkaulstr. 2 / 52134 Herzogenrath / Germany
fon +49.2407.9030-1644 fax +49.2407.9030-445
e-mail invest@aixtron.com web www.aixtron.com

"Quantum semiconductor technologies based on antimony are an important field of the future. The possible uses are extremely exciting. The research work of these doctoral students within the framework of QUANTIMONY will make a decisive contribution to accelerating the necessary research and development work for this future technology. The results will contribute to technological solutions for energy saving and solving the climate emergency", says Prof. Dr. Michael Heuken, Vice President Advanced Technologies at AIXTRON SE and Head of the QUANTIMONY Exploitation and Industrial Engagement Committee.

The beneficiaries and partner organizations are: Agencia Estatal Consejo Superior de Investigaciones Científicas (CSIC), Universidad Politécnica de Madrid (UPM), Lancaster University, University of Warwick, Eindhoven University of Technology (TUE), Technical University Berlin (TUB), University of Würzburg, University of Rome "Tor Vergata", AIXTRON SE, IQE plc, Nextnano GmbH, Bruker AXS, Nanoplus GmbH, Lancaster Materials Analysis Ltd (LMA), TiberLab Srl, QuantCAD LLC, Fluxim AG, Lund University, European Synchrotron Radiation Facility (ESRF), National Synchrotron Radiation Research Center, Cardiff University, Universidad de Cádiz (UCA), Universidade Federal de São Carlos (UFSCar).

QUANTIMONY is a European project funded by the European Union's Horizon 2020 research and innovation program under the Marie Skłodowska-Curie (grant agreement number 956548-QUANTIMONY-H2020-MSCA-ITN-2020).

Further information: QUANTIMONY and AIXTRON

Contact Persons

Guido Pickert
Vice President Investor Relations & Corporate Communications
fon +49 (2407) 9030-444
e-mail g.pickert@aixtron.com

Rita Syre
Senior PR Manager
fon +49 (2407) 9030-3665
mobile +49 (162) 269 3791
e-mail r.syre@aixtron.com

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 optoelectronic 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 applications.

Our registered trademarks: AIXACT®, AIXTRON®, Close Coupled Showerhead®, Gas Foil Rotation®, OVPD®, Planetary Reactor®, PVPD®, TriJet®

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

This document is an English language translation of a document in German language. In case of discrepancies, the German language document shall prevail and shall be the valid version.