

## AZUR SPACE uses AIXTRON system for market entry into new HPE business

Order for a fully automated deposition equipment of AIXTRON / Fast rump-up through market-leading throughput / Best quality level through unmatched epitaxial stability and low defect ratios

**Herzogenrath/Germany, August 4, 2020** – For its expansion into the market for GaN-on-Si High-Power Electronics (HPE) and Radio Frequency (RF) epi wafers, AZUR SPACE relies on the AIX G5 + C from AIXTRON SE (FSE: AIXA), a worldwide leading provider of deposition equipment to the semiconductor industry. AZUR SPACE, the global leader in the development and production of multi-junction solar cells for space and terrestrial concentrated photovoltaic applications, is a long-standing AIXTRON customer and has been using the AIX 2800G4-TM and AIX 2600G3 systems for its space solar application.

### Epi wafers for the energy revolution

The now ordered fully automated [AIX G5 + C](#) system with its features in-situ cleaning, a cassette-to-cassette wafer handler and Auto-Feed Forward (AFF) individual on-wafer temperature control guarantees unmatched epitaxial stability and low defect ratios. Furthermore, AIXTRON's Planetary Reactor® enables high increases productivity and performance through highest throughput, lowest cost of ownership and highest yield performance. The state-of-the-art MOCVD platform is used for the production of 150- and 200-mm epi wafers.

With the establishment of a second business line leveraging its III-V manufacturing expertise, AZUR SPACE positions itself on the fast growing market for Gallium Nitride (GaN) epi wafer for Power Electronics and RF applications. The demand for these epi wafers with its capacity to operate at higher frequency and in smaller form factor is mainly driven by the need for energy efficient power systems, rapid charging solutions, renewable energies, server farms or the next generation of wireless networks (5G).

### Chosen by the best in the industry

"Market entry will be a challenge. However, our more than 25 years of experience in III-V epitaxy technology with development and mass production is ideally complemented by AIXTRON's system, so we have a very good starting position. Importantly, AIXTRON's state-of-the-art Planetary Reactor® provides us with the excellent quality level of our epi wafers required to capture the future market for high-performance electronics," says AZUR's CEO Jürgen Heizmann.

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#### For further information please contact

Corporate Communications  
AIXTRON SE, Dornkaulstr. 2, 52134 Herzogenrath, Germany  
PHONE +49 (2407) 9030-444 FAX +49 (2407) 9030-445  
E-MAIL [info@aixtron.com](mailto:info@aixtron.com) WEB [www.aixtron.com](http://www.aixtron.com)

Dr. Felix Grawert, President of AIXTRON SE adds: "The market for GaN epi wafers for power electronics and RF applications is very exciting. It is expected to grow significantly driven by numerous applications such as fast charging solutions or the next generation of wireless networks (5G). The high energy efficiency of GaN based power electronics contributes significantly to reducing the climate impact of new technologies".

To download photos please click [here](#).

## Contact person

Guido Pickert  
Head of Investor Relations & Corporate Communications  
PHONE +49 (2407) 9030-444  
MOBILE +49 (173) 5407062  
MAIL [g.pickert@aixtron.com](mailto:g.pickert@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 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®, OVPD®, Planetary Reactor®, PVPD®, TriJet®

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

## About AZUR SPACE

AZUR SPACE is the global leader in the development and production of multi-junction solar cells for space and terrestrial concentrated photovoltaic applications. Based on more than 55 years' experience in space solar cells and more than 25 years in III-V epitaxial technology with development and high volume production, AZUR SPACE is now supplying GaAs and GaN-on-Si structures for the high power electronics market as well.

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E-MAIL [info@aixtron.com](mailto:info@aixtron.com) WEB [www.aixtron.com](http://www.aixtron.com)

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Corporate Communications

**AIXTRON SE**, Dornkaulstr. 2, 52134 Herzogenrath, Germany

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