

AIXTRON Investor Presentation



AIXTRON and IRUJA Co. Ltd. Sign Joint Venture Agreement
(October 24, 2018)

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 the current assessments, expectations and assumptions of the executive board of AIXTRON, of which many are beyond control of AIXTRON, based on information available at the date hereof and 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 those discussed by AIXTRON in public reports and statements, including but not limited to those reported in the chapter “Risk Report”. 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.

Due to rounding, numbers presented throughout this report may not add up precisely to the totals indicated and percentages may not precisely reflect the absolute figures for the same reason.

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[®]

AIXTRON and IRUJA: Joint Venture in APEVA

The AIXTRON logo is rendered in a red, stylized, blocky font with a digital or circuit-like appearance.

- **Innovative Organic Vapor Phase Deposition (OVPD) Technology**

- Highly Efficient Deposition of Organic Materials
- Proven Path for Scaling
- Building on AIXTRON Track Record in Thin Film Vapor Phase Deposition



- **Well-Established Automation & Handling Technology**

- Well proven in the Display Industry, Well known for the Outstanding Reliability
- Market Leader in Sputtering Technology for OLED with well established Customer Relationships
- Manufacturing Partner in Korea: High Quality Local Supply Chain and Resources

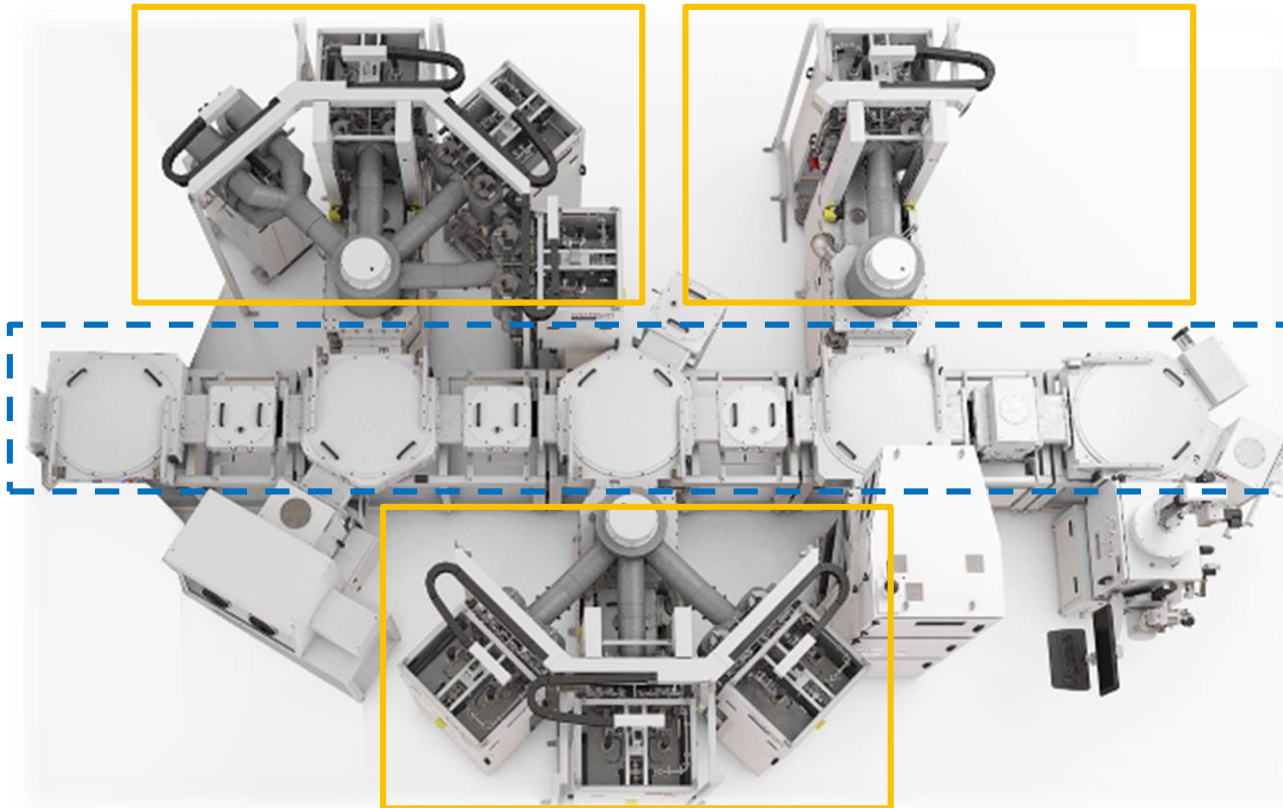
The APEVA logo consists of a blue square icon with a white diagonal line, followed by the word "APEVA" in a blue, sans-serif font. A blue bracket above the logo indicates that the two parent companies listed above contribute to this joint venture.

APEVA: A Complete OLED Deposition System Provider

OVPD Deposition Line*

 OVPD Deposition

 Automation & Handling



- Fully Automated OLED Deposition Lines and Fab Integration as a Complete System Provider
- Innovative Deposition Technology with
 - Higher Efficiency of OLED Material Deposition
 - Mixing and Doping of Materials via Multiple Material Deposition in One Chamber
 - Maintaining the Delicate Organic Material Properties improving Lifetime

* Pictures shown are for illustration purpose only

APEVA: Current Status and Future Plans

- ✓ **Closing of the Joint Venture Agreement: Expected During 2018**
- ✓ **IRUJA: Up to 20% Equity Stake in APEVA over the Next Few Years**
- ✓ **APEVA Operations in both Germany and South Korea**
 - Germany: Deposition Technology Development
 - South Korea: Automation & Handling Technology, Manufacturing, Local Support - Close Proximity to Major OLED Customers
- ✓ **APEVA Progress**
 - Gen1-Size Prototype: Operating at Customer Facility for more than a Year
 - Gen2-Size Prototype: Currently being installed in Customer Facility
 - GenX-Size Prototype: Order for Production-Size OLED Deposition Chamber (e.g. Gen6 or larger) expected to be received in 2019, following the Successful Qualification of the Gen2-Size Prototype
 - GenX-Size Full Production Line: Orders expected once the Scaling to GenX is proven to work (2020+)