



Robert Bosch Venture Capital invests in AIRY3D based in Montreal, Canada

Backing innovative 3D Depth Sensor for consumer, mobile, automotive and industrial applications

July 17, 2018

PI 10682 RBVC Ba

- ▶ RBVC participates in US-Dollar 10 Million Series A funding round
- ▶ AIRY3D brings cost-effective solutions to 3D imaging without sacrificing quality, efficiency, or experience
- ▶ RBVC Managing Director, Ingo Ramesohl: "AIRY3D fits perfectly into the growing RBVC portfolio with technologies addressing a wide range of applications in consumer, automotive and industrial markets."

Stuttgart, Germany – Robert Bosch Venture Capital GmbH (RBVC), the corporate venture capital company of the Bosch Group, has completed an investment in AIRY3D Inc., a Canadian start-up based in Montreal, Quebec. AIRY3D's depth-sensing platform DepthIQ™ is a versatile and straightforward solution that is far more computationally efficient than other approaches, while also being significantly lower in cost. "DepthIQ™ is sensor agnostic, which means it can be customized to any given CMOS sensor. It can accelerate the adoption of many new applications in Bosch related fields such as facial, gesture and object recognition in the mobile market and beyond." says RBVC Managing Director Dr. Ingo Ramesohl. "AIRY3D fits perfectly into the growing RBVC portfolio of technologies addressing the sensing needs of the automotive and industrial verticals next to start-ups like TetraVue and InSyte."

Three-dimensional images through a single conventional camera sensor

AIRY3D's patented Transmissive Diffraction Mask (TDM) platform uses diffraction to measure depth directly without light loss, eliminating the need for active lighting systems. CMOS image sensors can use this technology for 3D sensors in cameras, revealing opportunities to reinvigorate next-generation smartphones, AR/VR headsets, security devices, and so on.

With this breakthrough technology AIRY3D is able to make a 3D camera out of a standard 2D camera with very little additional cost. With the ability to convert any 2D imaging sensor to receive 3D depth data without risking 2D imaging quality,

AIRY3D provides a more compact, easy to assemble, and computationally efficient solution with significant cost savings. Offering both performance and ease of integration, DepthIQ™ solutions for 3D computer vision are a fraction of the cost and power relative to competing solutions. Due to tremendous opportunities for scalability and broad adoption, these savings across the board allow 3D imaging to have the potential to be universal across industries.

Enabling new human-machine interactions

Applications of TDM technology for smartphones can be used to reimagine the way we use our personal devices, bringing our human-machine interactions to life. Beyond mobile devices, this technology can bring 3D to the automotive, industrial, security and other consumer electronics industries. With applications such as facial, gesture, and object recognition, this platform can increase safety in automobiles and assist in the push for autonomy.

Intel Capital is leading the Series A round, with RBVC adding to the round after its initial seed investment with CRCM Ventures, Nautilus Venture Partners, R7 Partners, WI Harper Group, and Tandem Launch.

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About RBVC GmbH

Robert Bosch Venture Capital GmbH (RBVC) is the corporate venture capital company of the Bosch Group, a leading global supplier of technology and services. RBVC invests worldwide in innovative start-up companies at all stages of their development. Its investment activities focus on technology companies working in areas of business of current and future relevance for Bosch, above all, automation and electrification, energy efficiency, enabling technologies, and healthcare systems. RBVC also invests in services and business models that are relevant to the above-mentioned areas of business.

Additional information is available at: www.rbvc.com

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,000 associates worldwide (as of December 31, 2017). The company generated sales of 78.1 billion euros in 2017. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT company, Bosch offers innovative solutions for smart homes, smart cities, connected mobility, and connected manufacturing. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is "Invented for life." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. The basis for the company's future growth is its innovative strength. At 125 locations across the globe, Bosch employs some 64,500 associates in research and development.

The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant upfront investments in

the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPresse.

About AIRY3D

Founded in 2015 and spun out of TandemLaunch, a Montreal-based incubator, AIRY3D delivers a 3D computer vision solution that is unrivaled in its simplicity. The DepthIQ platform can convert any camera sensor into a single 3D sensor that generates both 2D images and depth maps that are inherently correlated. This 'drop-in' solution enables dramatic savings for 3D sensing across the board - hardware and manufacturing, size, computational load and speed, machine learning, bandwidth and beyond. AIRY3D is now working with industry leaders to unleash next generation mobile applications; mixed reality devices for AR/VR; monitoring systems for autos, drones and security; as well as machine vision solutions for object recognition and manipulation.

For more information:

Website: www.airy3d.com

Twitter: [@AIRY3D](https://twitter.com/AIRY3D)

LinkedIn: <https://www.linkedin.com/company/airy-3d>