

# Press Release

**Cork Ireland, 1st September 2020** - PixQuanta Ltd. a fabless image sensing technology startup based in Cork, Ireland is proud to announce that they have secured an important contract from the European Space Agency (ESA). The development of the company's core technology is carried out under a programme of, and funded by, the European Space Agency.

PixQuanta has developed a radical thin-film diode technology to offer superior image sensors without compromising cost. This can be applied to space applications such as in-orbit Rendez-vous, measuring space junk, and proximity sensing of other satellites for collision avoidance. On the commercial side, this solution significantly improves the performance of time-of-flight based 3D image sensors in the consumer sector and enables ultra-low-dose X-Ray imaging in the medical sector.

With the increasing spotlight on sensors for Advanced Driver Assistance Systems (ADAS) in cars as well as the increased demand for 3D sensing in consumer markets, these sectors are the initial key focus areas for PixQuanta. To meet industry demands the company is developing a photodiode sensor technology for use in 3D cameras that greatly improves range and accuracy, with less power and at a lower cost than current solutions. For ADAS, PixQuanta enables eye-safe higher power lasers at a longer range (>300m) than any other semiconductor-based solid-state solution.

Kevin O'Neill, CEO of PixQuanta, said: "I am absolutely delighted for PixQuanta to secure this project with ESA. The support provided by ESA enables us to increase the technology readiness level of our solutions and reach out to customers with prototypes. Our goal is to enable the highest performing and safest 3D imaging solutions, with the lowest power, highest reliability and at the lowest possible cost".

## About ESA



The European Space Agency (ESA) is Europe's gateway to space. Its mission is to shape the development of Europe's space capability and ensure that investment in space continues to deliver benefits to the citizens of Europe and the world. ESA is an intergovernmental organisation of 22 member states, established in 1975 and headquartered in Paris.

## About PixQuanta

PixQuanta was founded in 2016 to bridge the gap between the industry image sensing demands in terms of performance, cost and scalability on the one hand, and currently available solutions on the other. It does so through a revolutionary light-sensing technology compatible with the standard materials, tools and processing already available in the manufacturing industry. Located in Cork City at the south-most point of Ireland, PixQuanta is at the heart of a thriving technology ecosystem.

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*The view expressed here can in no way be taken to reflect the official opinion of ESA.*