Two quantum leaps for imaging

Quantum-inspired breakthroughs in imaging technology are behind both winners of the full CHF130,000 at the latest Venture Kick final – although their products are very different.

On the one hand, QNAMI uses cutting-edge quantum technologies (and synthetic diamonds) to improve imaging techniques and diagnostics. Their quantum sensors allow companies in the electronics industry to perform more accurate failure analysis, a necessity for the development of the next magnetic memories generation. With applications in the medical area to offer solutions that reduce imaging scan times, QNAMI aims to access an estimated market of USD200 million in imaging sensors.

Dotphoton, meanwhile, has created a RAW image compression technology that preserves image quality even with a file that’s 10 times smaller. That’s valuable to everyone from iPhoneographers – the app is already on the market – to biomedical and aerospace researchers. More information, smaller files; the solution helps to save costs and improves image analysis. And it achieves this through deep understanding of quantum physics. With several projects in discussions or already started with major players in the industry, Dotphoton eventually aims to bring the next standard for image compression to the world.

“No one says how hard it is to turn an idea into a business, and we were lucky to be a part of Venture Kick community at the very beginning of this journey,” said Dotphoton co-founder Eugenia Balysheva. “Both the investment and valuable mentoring help our company perform better and move forward faster. Being a Venture Kick finalist will help us to promote our existing products and open new markets, and therefore keep changing the world of professional imaging.”

The national startup support program Venture Kick – supported by 13 private partners, foundations, private individuals and corporates – links a start-up competition with tailor-made management support and financial support in an internationally unique manner. QNAMI co-founder Mathieu Munsch said: “Venture Kick is considered the excellence program for startups in Switzerland. For QNAMI, this prize is a strong encouragement, which confirms we are on the right way. The quality of the jury, the quality of the coaches and the kind management made the whole experience extremely pleasant and valuable. We are delighted to be part of the VK family and are already working on the next steps for QNAMI.”

QNAMI
QNAMI develops new sensors based on quantum technologies. Their products allow customers to perform non-invasive magnetic imaging at the nanoscale in all types of environment, meeting demand across applications from fundamental material science to medical early-stage diagnostics.

www.qnami.ch
Dotphoton
The size and number of images taken every year is growing so fast that storage and network technologies can't keep up. These images must therefore be compressed. Dotphoton™ is an image compression solution for professional applications: it makes RAW images up to 10 times smaller while preserving close to 100% of the quality, saving a corresponding amount of time and money and enabling the next generation of high-quality imaging solutions in photography, cinema, AI, biomedical and aerospace.

www.dotphoton.com

Pictures and links:
Dotphoton team, startup profile
QNAMI team, startup profile

About Venture Kick
The philanthropic initiative Venture Kick provides up to CHF 130,000 to seed stage startups. In addition, it offers a well-structured entrepreneurial path towards building a winning business. Startups present in front of a jury at three different stages to obtain funding as well as direct feedback and access to an international network of successful entrepreneurs and investors.

Since 2007, 530 Swiss startup projects have received CHF 21.66 million from Venture Kick. This has resulted in more than 414 incorporated companies creating 4,748 jobs. Startup companies supported by Venture Kick have attracted CHF 1.808 billion from investors so far, and 55 startups from Venture Kick have made it into the TOP 100 Swiss Startups 2017.

In 2018, Venture Kick will pay out CHF 3.2 million to idea-stage startup projects to bring Swiss science to global markets. More information in the Venture Kick annual report.

The Venture Kick Foundation is supported by Gebert Rüf Stiftung, Ernst Göhner Stiftung, Fondation Lombard Odier, Debiopharm Group, Fondation Pro Techno, Rising Tide Foundation, European Space Agency, Engagement Migros, Swisscom, André Hoffmann, Hansjörg Wyss, Martin Haefner and Igor Fisch.

venturekick.ch

All startup projects supported by Venture Kick

Follow the success stories of our Venture Kick Alumni on Facebook, Twitter und LinkedIn.