



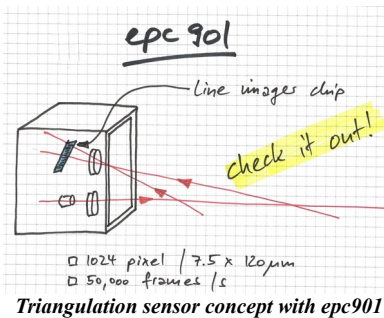
**I'm writing you a long letter
because I don't have time to
write a short one.**

*Blaise Pascal
(also credited to others)*

CEO's Note

Dear Reader,

It has been shown that our imaging technology brings enormous advantages in many areas. Originally developed with the aim of producing the best possible TOF and LiDAR chips (the ultimate limit is the photon shot noise), many new applications have since emerged. An example is our [epc901](#) line sensor, which was originally developed for high-precision angle sensors. In the meantime, it can be found in many industrial applications. For example, high-precision distance sensors. One of our customers offers triangulation sensors based on the epc901 with a distance resolution of stunning 100 nm over a measuring range of 20 mm. Yes, 100 nm resolution over 20 mm, no joke!



Most importantly, imaging applications with 3D TOF and LiDAR are growing rapidly. If you consider that ten years ago the terms "TOF" or "LiDAR" were mostly unknown and practical applications were limited to gesture controls for games, we now see a completely changed world.

I am very pleased that we at ESPROS are able to play a leading role and not only develop the technology, but also have a decisive influence on the [applications](#) and the markets. We will continue to do so in the future. There are some game changes on the way and I'm happy to see them on the market.

Beat De Coi

ESPROS and PreAct: an award-winning partnership

As announced in the March edition of Chips, we revealed how ESPROS teamed up with innovative US tech company PreAct Technologies to develop new flash LiDAR technologies for specific use cases in automotive, trucking, industrial automation and robotics. The synergy generated by this partnership is already bringing to the market some really groundbreaking solutions, and this is of course a source of great satisfaction for both companies.

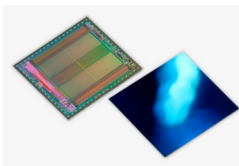
PreAct spent the last three years developing its T30P Flash LiDAR, which is not only the fastest Flash LiDAR on the market, but also the industry's first software-definable sensor, supporting ADAS, trucking, industrial applications and robotics.



PreAct T30P Flash LiDAR

Well, in June PreAct's T30P Flash LiDAR was named Most Innovative Product of the Year for the Automotive/Autonomous Technologies category, as part of the Sensors Converge 2022 Best of Sensors Awards. This is an incredible achievement, and of course here at ESPROS Photonics, we are all very proud to be part of this success story.

By leveraging the ESPROS epc660's incredibly high sensitivity and unmatched ambient light suppression ability, PreAct T30P Flash LiDAR's architecture is based on cwTOF technology and it works with a frame rate of 200



ESPROS epc660

fps. It can operate in all weather conditions as well as in the darkest night or in full sunlight.

One more strength of PreAct T30P Flash LiDAR lies in the fact that it supports designers and manufacturers of cars and autonomous vehicles solve what is one of their biggest challenges: making their products future-proof. Vehicles are of course expected to last for years, but a sensor can become outdated much faster. The T30P Flash LiDAR helps overcoming this problem, by offering the possibility of Over-the-Air updates and making applications relevant for the entire life of a vehicle.

According to Paul Drysch, CEO and Co-Founder of PreAct Technologies, who received the award, PreAct's "team has worked tirelessly the past few years creating a near-field sensor and software suite that not only out-performs everything else on the market at an affordable price-point, but also facilitates the software-defined vehicle. This award validates our vision, the team's efforts and our customers' commitment to our technology."

ESPROS CEO and founder, Beat De Coi said: "This award is the validation of both companies' ability to preempt the ever-expanding demands of this complex market".



Most Innovative Product Award

From the Caribbean to the Alps with Josefina, Operator

Where are you from, Josefina?

I am originally from the Dominican Republic, from the town of Sosúa, in the North of the country. It is on the Caribbean Sea.

Where do you live now?

I live in Liechtenstein, in the municipality of Triesen. So that's a big change, but I love it here in the Alps. The landscape is completely different from the Caribbean, but it is wonderful too.

What are your favorite tasks at ESPROS?

I'm a production assistant, and what I enjoy the most about my job is being part of the End Test, for both the epc611 and epc660. I recently joined the epc901 team too. I feel really at home with the ESPROS team. It's a great place to work, so international and it's exciting to be part of designing the future.

How long have you been working at ESPROS?

Since July 2021. I'm just coming up on my first anniversary with ESPROS.

What are your hobbies?

My summer hobbies take me outdoors, I like go hiking and to ride my motorbike. I have a Kawasaki Ninja. It is beautiful and I love to travel around Switzerland and the bordering countries, together with my boyfriend. In winter I like to spend some

time in health spas or simply stay at home and read a good book.



What is your biggest wish?

My biggest wish is to have a long and healthy life.

Passion can move mountains

Passion is one of the main drivers of excellence. It inspires people to pursue their best. It leads them to see challenges as opportunities and to never give up. Passion makes it possible to look at things with fresh eyes and seek new solutions.



And it is thanks to the great passion for jazz music of the organizing team and its partners that the Jazz Festival Sargans returns this year under the motto "Jazz Festival Sargans goes out!"

After being cancelled in 2020 due to the pandemic, the festival is finally back with a new format, suitable for the current difficulties. Instead of taking place over a single weekend and at a single venue, artists will perform at six different venues and on seven different days between August 10 and 21.

It is with great pleasure that ESPROS Photonics is sponsoring the event again this year. Let us be

inspired by this passion and spend some time together, in the company of great music and wonderful people.



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