

**We're floating on a raft towards dense fog. What awaits us behind it? A beautiful lake or a waterfall? We do not know.**

*Peter von Matt*

## CEO's Note

Dear Reader,

Do you agree, that the Corona pandemic is over? Well, to be precise, the pandemic is not over, but restrictions given by the governments around the globe shall be ceased. Why I'm saying this? As we can see by the statistics of many countries, Corona mutated from a serious threat to some risk groups - elderly people and such with and pre-existing diseases - to kind of a normal flu with typically mild symptoms for those which are vaccinated. However, I wouldn't be one not vaccinated and at the same time being in a risk group. I'm basically in two risk groups: age and pre-existing disease. !!!



Test automation (Source: Internet)

Happy and thankful that technology from the pharmaceutical industry helped to develop the vaccine so quickly. And to me even more impressive is the speed, how fast these billions of vaccine shots have been produced and delivered. To me, this is a fact

which was and still is completely ignored by the mainstream media. Instead, bashing against almost everybody took place. I know how challenging it is to ramp up a new product. And this in such short time and in this huge volume, simply incredible. Imagine, that say 1 billion vaccine shots have to be produced in one year, this is 2.7 million per day!

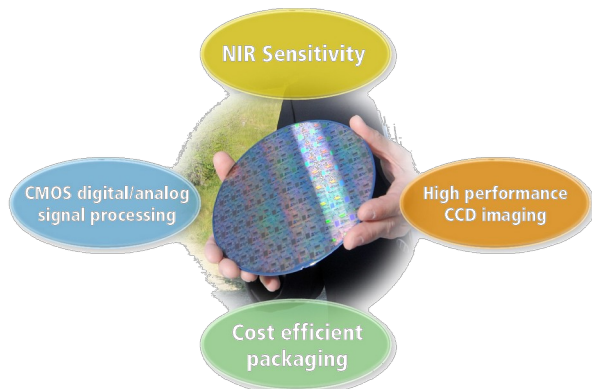
I've done production ramp up many times in my life. But in three orders of magnitude less and in a longer time period. It was also real challenging. But, this is a nice problem. We are lucky that we at ESPROS are also in such kind of "Tsunami". Demand for our TOF and LiDAR imager products increase dis-proportional like a hockey stick curve. As you know, this is the

thing everyone would like to have. The problem is always, that nobody can predict, when it takes place. Now, all in!

Beat De Coi

## Technology Secrets

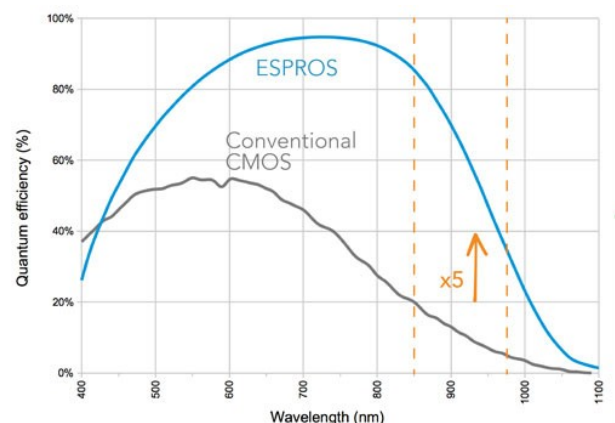
Many new imaging and optical sensor applications, which are now in the stage of being deployed into mass applications like TOF, LiDAR or spectroscopy, suffer from very poor NIR sensitivity and non-existent or limited charge handling capacity as well as imaging speed. TOF and LiDAR applications need time resolving capabilities as fast as 100ps with very high sensitivity in the NIR domain. Our technology with a QE of more than 70% at 905nm allows best-in-class imaging in this specific application domain.



The cornerstones of the novel OHC15L™ imager technology are an unprecedented sensitivity in the

NIR (>70% @ 905nm), CCD's with a CTE of 0.99999 at a transfer speed of more than 250MHz, all combined with powerful mixed signal CMOS and in a cost effective package.

Extremely high QE over a very wide wavelength range allow applications which have a demand of sensitivity in the UV, VIS and NIR.



Find out more [here](#).

## Diana, Operator Business Unit Semi

### What are your responsibilities at ESPROS?

I'm working in the production department semi in clean room 1 where we are responsible for all back-end processes. My daily work is imager end test on



*Diana Chizil on top of the Pizol ski resort (just in the neighborhood of ESPROS)*

the one hand and operating some backend tools on the other. Sometimes I have also the responsibility for some inbound and outbound logistics in the semi production department.

### How long have you been working with ESPROS?

I started my work with ESPROS a bit more than two years ago. However, I gained some experience quite a while before at Bosch Automotive Electronics, where I come from.

### What do you most enjoy about working with ESPROS?

The variety of the tasks is very challenging. But I like challenges very much because they motivate me every day to do my very best.

### Where are you come from and where do you live?

I'm originally from Moldova and grew up there. My original profession is nurse and I hold a masters degree in physiotherapy.

### What are you doing in your spare time?

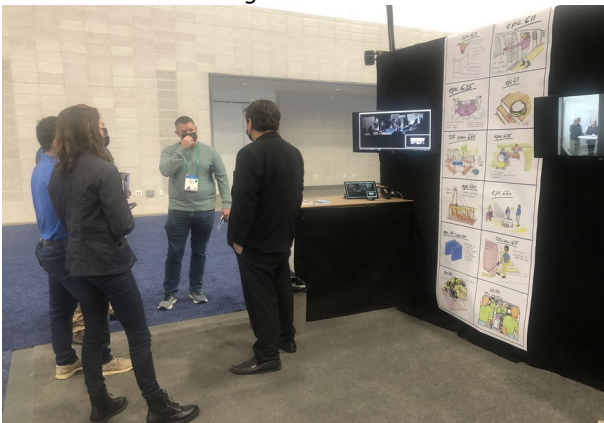
I love traveling to discover new places and interesting history. Needless to say that nature drives me. I like skiing, hiking or other outdoor activities.

### What is your wish for the future?

Most important, beside everyone's health, is a job that needs me. Thus, a full order backlog of my company is my biggest desire. As said, I like challenges and this thrives me.

## CES 2022

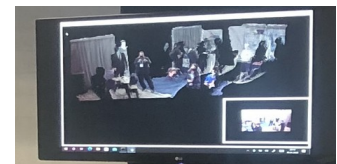
"Again an interesting event". This is how ESPROS Photonics' CEO and President Beat De Coi summed up the company's participation in the recent CES trade Show in Las Vegas.



However, Corona left its mark. The attendance of only 40,000 visitors is a huge drop compared to the some 200,000 prior to Corona. However, it was worthwhile attending and to show our competencies because the time to discuss technologies and

projects with customers and suppliers was not as limited as usual.

All of whom were very interested in our TOFcam660-RGB which maps an RGB video stream to the 3D point cloud. This is briefly visible in the screen shot. The TOFcam-660 is a powerful demonstrator to show the beauty of color 3D video stream.



Our brand new ESPROS corporate movie had its first international unveiling, garnering many compliments about our engineering and manufacturing facilities back in Sargans, the display lying at the center of our very eye-catching colorful application sketches, which reveal the tremendous potential of our products." De Coi continued, thanking his colleagues, Ulrich Hotz (Ueli) VP Business Unit Modules, Udo Graf Product Manager TOF camera modules, and ESPROS' Managing Director, North America, Latin America Uly Grisetete for all their help and support in organizing such a successful presentation.

You want to purchase our products?  
Check out on [Digi-Key](#) or get in touch with our [sales team](#).



**++ Be part of our team and click here for our current job opportunities ++**