



**Unless someone like you
cares a whole awful lot,
nothing is going to get
better. It's not.**

Dr. Theodor Seuss

CEO's Note

Dear Readers,

"The entropy of a system increases over time." This second law of thermodynamics states that the entropy of an isolated system never decreases over time. Simplified: If we don't spend energy to change awful things, nothing will become better. It's the opposite, things get worse. One can also say, the complexity or the mess, if you like, will become bigger. As a conclusion, we have, as responsible people, to spend energy to keep the mess at the lowest possible level. In my life, I met many very intelligent people. They have the best possible education, spent years and years in Universities, got their degrees etc. Really, very intelligent people. However, many of them failed in real (business) life. Why? Because they did not learn a very important example from nature: If we don't spend energy to simplify things while looking always for more and more details, we will not be able to see the big picture. Unfortunately, such people are good in doing things right.

But with the wrong things! Nothing gained! It was all a waste of time. The nice French question «de quoi s'agit-il?» takes it right to the point. The question means «what's it all about?». If someone cannot answer this simple question in a business case, in a project or in a problem description, with one or two sentences, he or she simply is not able to do the right things in this case.

I know, it's very hard and direct, what I'm writing here. But believe me, it's true. Unfortunately, typically, the very intelligent people do not believe this. The result? They are unable to change themselves to become more effective. What a shame. I'm repeating my advice since decades: Try to simplify and try to get the big picture. You will win a lot!

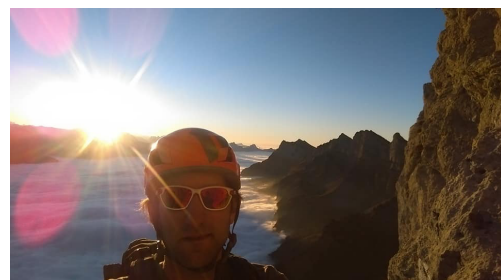
Beat De Coi



A warm «hello» from the staff of ESPOS!

Name: Michael Schwander; Function: Senior Engineer

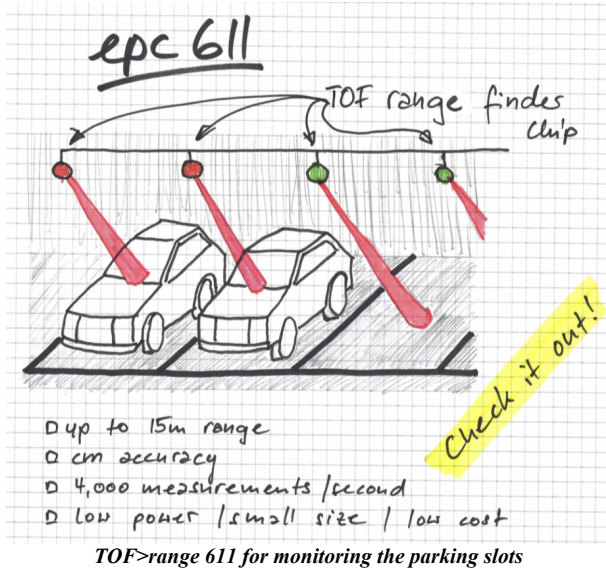
If our customers have any questions regarding FPGA, the query will be forwarded automatically to Michael Schwander, our resident FPGA genius. As one of the Senior Engineers within our Product Engineering Team, Michael has worked for ESPOS since 2013. And when he isn't resolving FPGA queries, Michael can be found in the great outdoors! His second home is the Alps, where he spends all his available free time - skiing in Winter and climbing in Summer.



Mountain "Chäserrugg", Switzerland; 2'262m high

TOF>range 611– perfect for many applications

Do you have an application which needs a range-finder for up to 7.5 m or 15 m? Changing ambient-light conditions up to bright sunlight? Your expectation is a wide dynamic distance range of 0.05 ... 15.0 m or 0.05 ... 7.5 m?



You need to measure distances to objects reliably using a narrow field of view (FOV) sensor, which has a detection FOV smaller than the object size? You need to detect objects with a wide variety of surface reflectance? Your measurements need to be accurate over temperature? You are looking for a sensor to monitor the distance from a fast moving robot (AGV) or a drone to the next obstacle with

fast frame rates up to 500 fps or even higher? Or to monitor if a parking slot is occupied? Is a low distance (1 sigma) noise of only a few millimeters of importance for your distance reading? Does your range-finder module need to be light-weight e.g. below 13 grams, and cost effective for your application in volume production? Are you looking for a fast 920 kBit/s serial UART interface which is easy to handle and integrate?

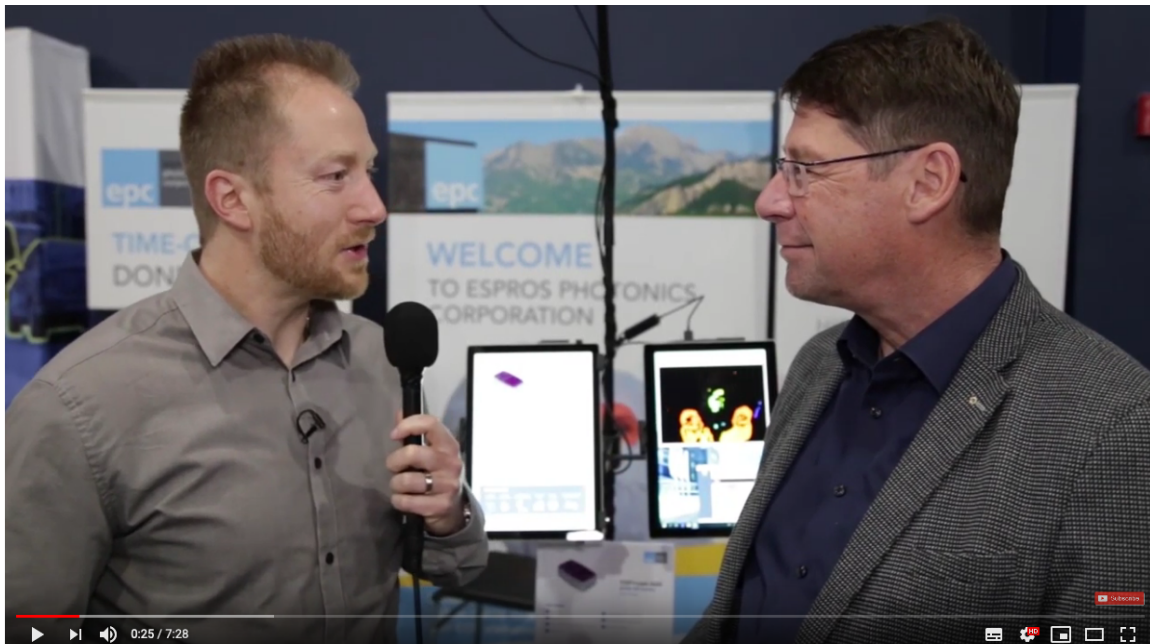
You do not have to develop and qualify a new module by yourself. ESPROS TOF>range 611, based on the epc611 sensor chip, with its extraordinary ESPROS OHC15L semiconductor technology for photosensitive devices, is a single-spot range-finder covering all these performance requests in one device. The readout is compensated distance values with confidence information and secure CRC checksum.

The epc611 Evaluation Kit includes all you need to either use the module as the heart of your new sensor immediately, or to use it as a reference design. The source code for the GUI is included for easy access to the data, and the **ROS driver** makes integration into your mobile robot easy.

ESPROS also offers a full custom module development service ensuring a fast and efficient route to market.

Test this powerful TOF module now for easy adoption to your application. Speak to ESPROS for information on our other TOF modules for the broadest range of applications.

TIME-OF-FLIGHT DONE RIGHT – Interview with Beat De Coi



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