embotech ✳

We are back with Tech News Summer 21! It's been a while, hasn't it?

As some of you know, we moved offices last summer – midway through the COVID turbulences – and we managed to enjoy them for a couple of months until last November. From December onwards though, we have been in WFH-mode. Of course, we are excited to go back to the office and finally have some face-to-face meetings again.

Apart from our appetite for "work-from-office", we also have some other stories to share with you...

Let's start with some

International news:

One of Embotech's New Year's resolutions was to go international. Knowing that procrastination is the thief of time, we put our plans into practice and opened a second office in Munich/Germany right in January ([more info here](#)).

With this step, we have moved closer to our German customers and at the same time, closer to German universities which offer a great source of talent for our growing team. So far, our Munich team is pretty small, but not for long as we are currently advertising all new positions for both sites Munich and Zurich.

Product news:

A lot has happened in our Automated Driving solutions. We are pleased to announce the most recent developments of our product PRODRIVER. This is the latest of our motion planning software, capable of precisely maneuvering vehicles at low speed as well as performing high-speed double-lane changes at the limit of tire grip! PRODRIVER comes in different versions to accommodate a variety of use cases and vehicle types: from highway autopilots to automated logistics vehicle operations and automated mining. Learn more about our Automated Driving solutions. Within our Industrial Solutions business unit, we also came up with a new product for our industrial machines and robotics customers. We now offer PROBOT, the tailored software for advanced motion planning. It is

our latest industry solution to make our customers' smart factories even smarter and their cycle times even shorter. Find out more about our Industry Solutions.

Customer Projects and Use Cases:

Let's take a look at PRODRIVER… Our motion planning software is used for automating internal logistics. In a series project in cooperation with the BMW Group and perception partner Seoul Robotics we are developing technology for production, automating functions for internal logistics and assembly processes (more info here). PRODRIVER is also the motion planning software running on the Einride Pod – no matter if their Pod is racing on the Top Gear Track (watch the video) or if it is revolutionizing the supply chain industry. Our motion planning software PROBOT is integrated in Bystronic's tube processing machine ByTube 130 (watch the ByTube130 video). PROBOT enables the machine's innovative "Quick Cut", the market's highest dynamics thanks to the innovative redundant axis.

Events:

Let's give you a quick tour of some events where we – more or less recently – participated:

- Embotech was invited to speak at the [AutoSens 2020](#) conference Brussel edition. Our Head of Automotive, Stefano Longo, presented the development of our product PRODRIVER and the importance of the EU funding we have received to support it.
- At the the [IEEE IV2020](#) (Intelligent vehicles symposium Las Vegas, virtual), our software developer Sandro Merkli presented our open-source motion planner and showed how to use the low-speed vehicle maneuvering developed for the [Autoware Autonomous Valet Parking](#) demo. Find some [more information](#) and a [video](#).
- Last November, Embotech participated in the [ROS World 2020 conference](#). Stefano Longo from Embotech and Ryosuke Mitsudome (Tier IV) presented the Autoware's autonomous driving software architecture, with focus on the behavioral planner and the motion planner.
- We presented our products at the first-time-ever virtual [CES 2021](#) and missed the scintillating and colorful atmosphere that is usually so distinctive of this big show. And now, we recently "returned" from the first-ever virtual [Messe Hannover](#) where we exhibited our solutions within the Swiss Pavilion. Many familiar names among the exhibitors, many insightful conference presentations, and a broad range of fascinating innovations…

Awards:

In 2020, we have passed our ISO 9001 audit and have been awarded the new [ISO 9001:2015 certificate for quality management](#) standards. With the ISO 9001:2015 we demonstrate our continued commitment to producing high quality products and delivering a consistent service to all our clients.

It also shows we are keen to invest time and money into new technology, staff, processes, and procedures.

Over the past few months, other institutions have been nominating us for several awards, too. For instance, we were awarded the Newsweek Momentum Awards as the Top 100 Smart City Partners and we also won the Tech Innovator Awards by Corporate Vision. In addition, we were recognized by Swiss Energy and Swiss Space Center as one of the major players shaping the Swiss energy industry as well as the Swiss space industry landscape.

Sponsorships:

What a great pleasure to announce further effects of our sponsorship engagement. The number of our supported university racing teams has skyrocketed, and we are proud to welcome many new sponsored teams on board, for instance MIT Driverless from Boston, BCN eMotorsport from Barcelona, BIT FSD from Beijing, KaRaT from Kaiserslautern, FST Lisboa from Lisbon – just to name a few. It feels very rewarding to see so many of these teams achieving stunning results with our solver FORCESPRO. We look forward to witnessing these teams' performance when they will be competing in the Formula Student and particularly in this year's Indy Autonomous Challenge.

Although we have been focusing on student racing up to now, for the future we plan to expand our sponsorship portfolio by other disciplines such as robotics. So, stay tuned for more news soon.

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