

## Smart senses and intelligent thinking for the highly automated mobility of tomorrow

*Spleenlab and LAKE FUSION Technologies reinforce strategic partnership*

- Companies cooperate in the development of safe vehicle automation
- Many years of experience from traditional flying and autonomous driving in innovative Applications combined
- Networked sensor technology, algorithmic protection and secure artificial intelligence as the key for automated mobility of the future
- Worldwide unique series approval for real-time critical applications with AI planned

**Saalburg-Ebersdorf / Markdorf. Autonomous mobility is no longer a vision of the future. It is already finding its way into our everyday lives as an autopilot in airplanes or as a driving assistant in cars. But Spleenlab and LAKE FUSION Technologies want to go one step further and use cleverly networked sensors and artificial intelligence to make drivers and pilots superfluous. Safe, sustainable and trend-setting.**

### **Know-how and many years of experience combined**

In order to make new forms of locomotion safe and intelligent, the vehicles of the future will need one thing above all else: smart senses and intelligent thinking, i.e. different sensors and the ability to make independent decisions based on environmental perception. To develop this, specialists are needed. This applies to a car that is supposed to drive without a driver as well as to a drone that can fly without a pilot. For this reason, Spleenlab and LAKE FUSION Technologies have reinforced their strategic partnership and are working together on intelligent systems for the automation of vehicles of all kinds. Spleenlab contributes its expertise as a developer for safe artificial intelligence and sensor fusion to the cooperation, thus complementing LAKE FUSION Technologies' wealth of experience in the development of safety-critical applications and sensor technology.

### **Reverse paths, common goals**

It is remarkable that the two companies are going the opposite way. While Spleenlab comes from the development of autonomous driving and transfers this know-how into the air, the team of LAKE FUSION Technologies looks back on a long history of traditional flying. The goal of both innovation leaders is the same. They want to make automated locomotion safer and finally make this revolutionary form of mobility a reality. This is made possible by the algorithmic safeguarding of safety-critical processes in both driving and flying. The whole thing is based on the use of various sensors, such as cameras, lasers and radars, and artificial intelligence. In this field, the different strengths of both companies form unique and efficient synergies. In concrete terms, this means that the cooperation will enable highly secure real-time systems for critical applications with integrated AI to be approved for series production on the market for the first time. On the basis of currently valid norms and standards, which is unique worldwide. "The cooperation with LAKE FUSION Technologies and its outstanding team of experienced aviation and automotive experts is a great benefit for our company.

Together we are able to develop safer autonomous mobility for cars and drones to market readiness," says Tobias Rüdiger, Managing Director and Head of Finance and Operations at Spleenlab. Christian Meyer, Managing Director of LAKE FUSION Technologies GmbH adds: "We are glad to have found the ideal cooperation partners for safety-critical solutions with Spleenlab, who brings a lot of experience in the automotive sector as well as AI. With this partnership, rule-based algorithms combined with AI are the optimal solution for safe autonomous systems.

**Press Contact**

**Spleenlab GmbH**

Sebastian Süß  
Managing Director | Marketing &  
Communications  
+49 (0)176 211 30 295  
[sebastian.suess@spleenlab.ai](mailto:sebastian.suess@spleenlab.ai)

**Press Contact**

**LAKE FUSION Technologies GmbH**

Thomas Wichert  
Head of Sales | CSO  
+49 (0)1714762058  
[tw@lf-t.net](mailto:tw@lf-t.net)

**About Spleenlab GmbH**

Spleenlab is a highly specialized AI software company founded in 2018 with the goal of developing safe AI applications for the real-time automation of drones, air taxis and self-driving cars. In addition, the technology developed by Spleenlab offers users various possibilities for AI-based 3D mapping, inspection or monitoring in real-time on the vehicle. The members of the constantly growing team contribute their many years of experience as senior AI engineers, managing directors and marketing experts to the company based in Saalburg-Ebersdorf.

[www.spleenlab.ai](http://www.spleenlab.ai)

**About LAKE FUSION Technologies GmbH**

LAKE FUSION Technologies (LFT) is a software technology company focusing on "Highly Automated Systems" and was founded in 2018 in Markdorf (Baden-Württemberg) by former employees of the Airbus Group. With its avionics background, the LFT team has many years of experience and expertise, particularly in the development of safety-critical applications. The goal of LFT is to make autonomous driving as safe as flying. Therefore, LFT transfers the understanding of safety, innovation and networked thinking from the aviation industry to the automobile of the future.

[www.lf-t.net](http://www.lf-t.net)