



▶▶▶ LAKE FUSION TECHNOLOGIES IS A SOFTWARE TECHNOLOGY COMPANY FOR "HIGHLY AUTOMATED SYSTEMS" ◀◀◀

### LAKE FUSION Technologies in a nutshell:

The deep tech company LAKE FUSION Technologies GmbH (LFT) was founded at the end of 2018 in Markdorf Germany close to LAKE Constance. The founders are coming from the aviation sector (Airbus Group).

LFT is specialized in rule-based LiDAR perception processing & FUSION solutions for performance increase (sensor, system) and integrity assurance.

LFT provides environmental perception Technologies for highly automated systems / autonomous driving.

▶▶▶ LFT COMBINES SUBSTANTIAL INDUSTRY EXPERTISE AND START-UP AGILITY ◀◀◀

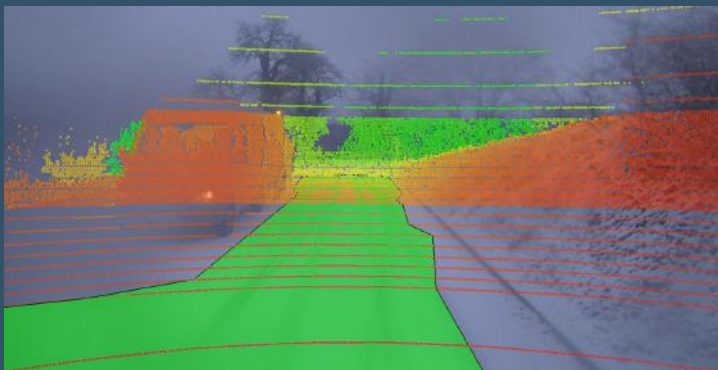
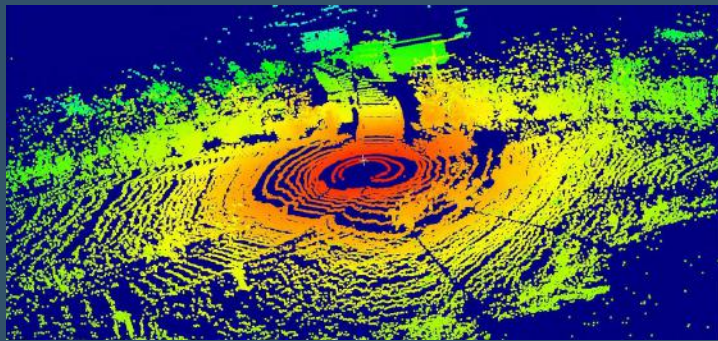
"Our mission is to make autonomous driving as safe as flying. We transfer the understanding of safety, innovation and networked thinking from the aviation industry to the automobile of the future.

The way to get there is to safeguard the performance of today's driver assistance systems supplemented by LiDAR technology.

On this basis, we develop performance assurance and safety-critical systems and applications in order to make future mobility safer, more reliable and more resource-efficient as a pioneer"

Christian Meyer  
CEO LAKE FUSION Technologies GmbH





▶▶▶ LFT HAS STRONG KNOW-HOW IN THE FIELDS OF:  
- DETERMINISTIC LIDAR-PERCEPTION  
- SUPPLIER INDEPENDENT LIDAR EXPERTISE  
- SAFETY FOCUSED SENSOR DATA FUSION (SAFEGUARDING AI-STACK) ◀◀◀

**LFT's focus is on the:**

- Filtering of artifacts as well as performance assurance of laser-based sensors especially in bad weather conditions.
- Rule-based LiDAR algorithms (the intelligence of sensor technology) for detecting the environment.
- Safety relevant sensor data fusion for environment detection systems of different platforms.
- Environment perception. LFT provides a complete system (SW & HW) for the representation of the environment and its transfer of a model to the further system.

▶▶▶ LFT'S ADDED VALUE IS TO PROVIDE ENVIRONMENTAL PERCEPTION SOLUTION WITH SAFEGUARD AI AND TO COVER SYSTEMATIC SENSOR PERFORMANCE GAPS ◀◀◀

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