

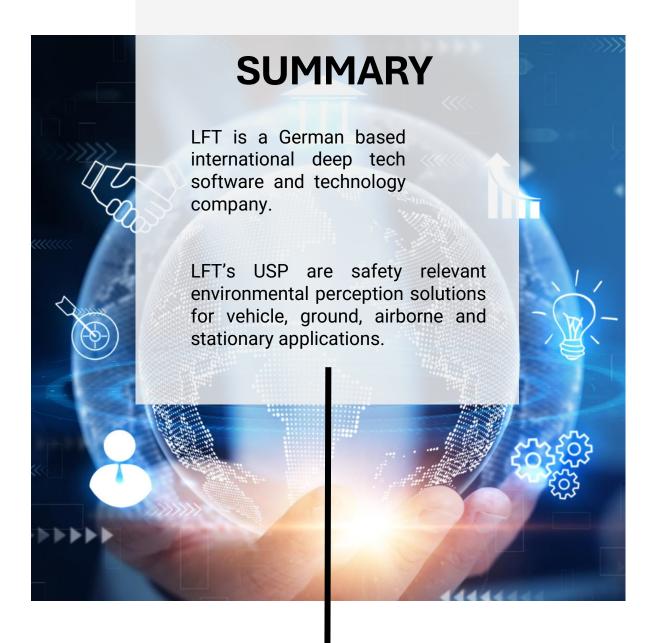


COMPANY INTRODUCTION

www.lf-t.net







Key shareholder

- 1. LLHC (owner of SES LLC in Huntsville)
- 2. Rheinmetall Technology Center
- 3. Dr. Eckhard Cordes

LFT growth strategy includes:

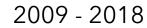
- New environmental perception products for airborne, on road, offroad, sites, maritime and production areas
- Penetrating global markets to expand proven technology into aerospace, automotive, and spin-off solutions for specialty applications

Our Milestones

LFT provides data **FUSION** & processing **Technologies** for Environment perception for autonomous systems

CORE USP: LiDAR rule-based algorithm Safeguard of perception systems

2018 2020 2021 2022 2023 2024 Operational 1st 2nd Start of Founded 1st contracts 1st series profitable Audi / 7F mililtary with US start contract ZF investor on P&I Rheinmetall trucks investor shuttle





2019



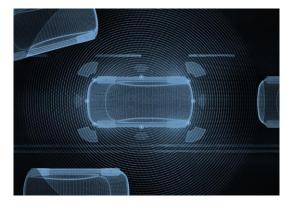
2022



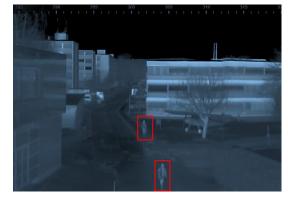
2024











Background

Automotive

Airborne

Security

Aviation

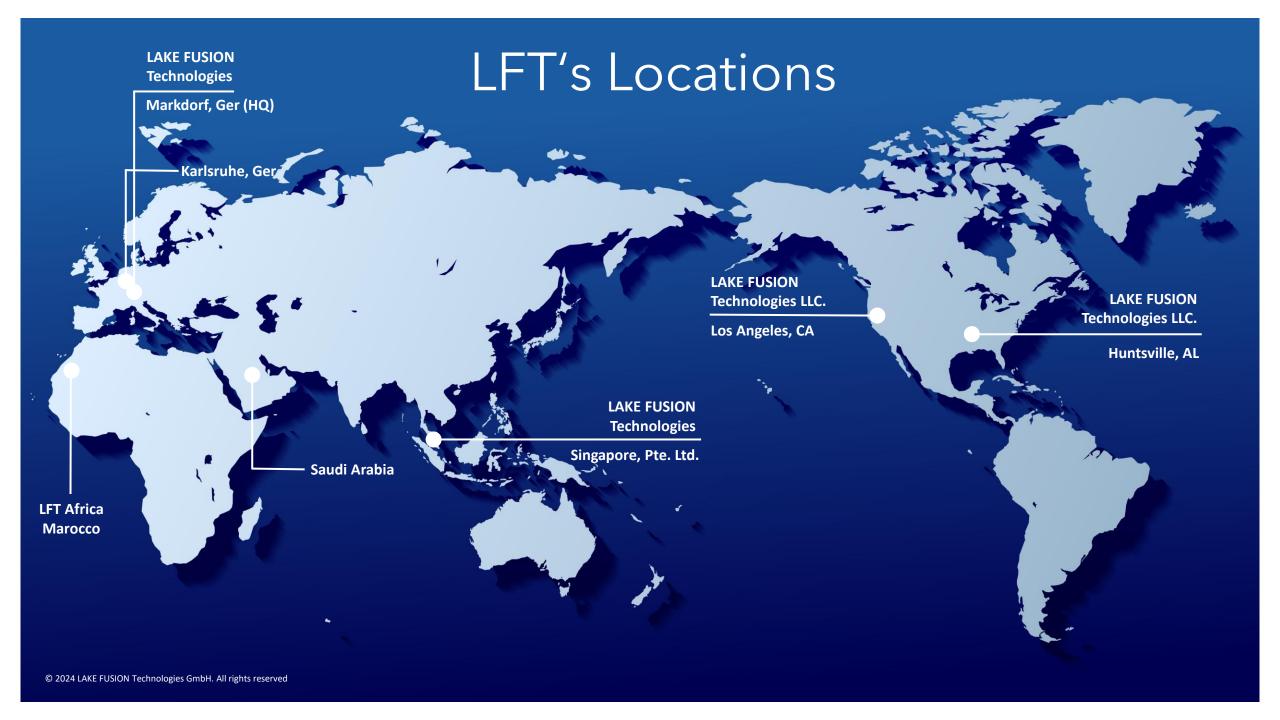
with a long substantial experience in **LiDAR**

Safeguard of environmental perception for AD systems - **Safeguard**

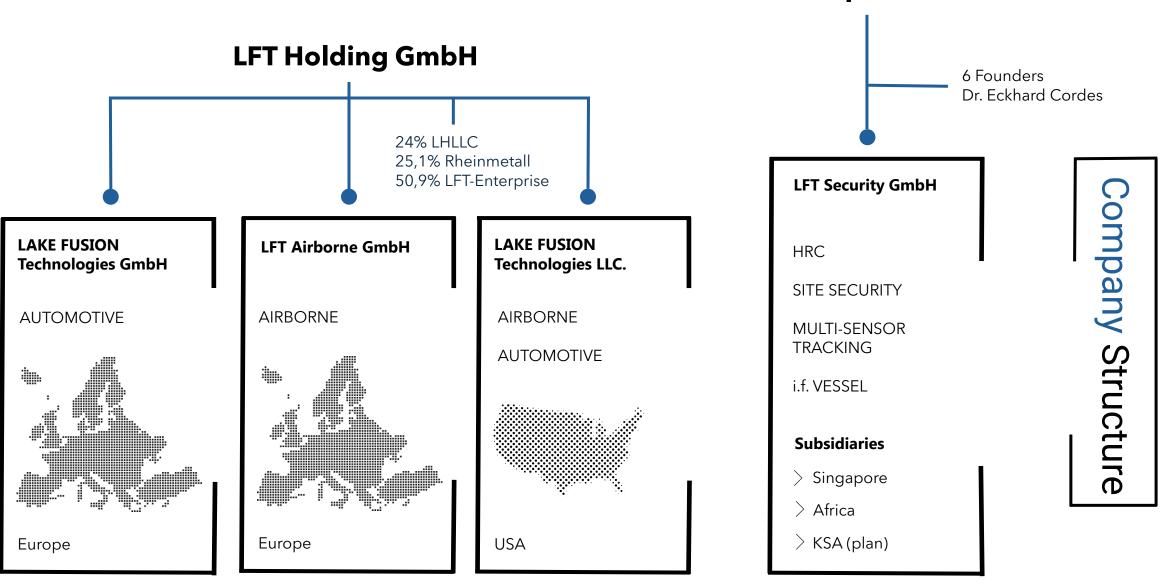
Laser-based-Situational awareness around the helicopters

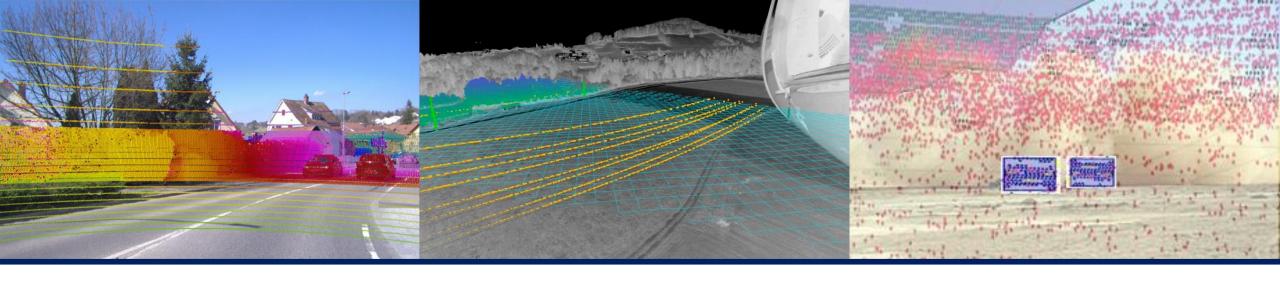
Object detection high reliable environmental recognition

Story About Us



LFT Enterprise GmbH





What We Do

LiDAR based safety-critical environmental perception



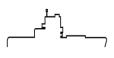
Ground Vehicle

Autonomous driving onroad / offroad



Airborne

Pilot assistance for obstacle detection (Helicopter / Drone)



Security

Object detection high reliable environmental recognition

Our Service





LiDAR validation

LFT......
-----BITTE---------VERVOLLSTÄNDIGEN-----



Safety consulting

LFT provides safety-critical
ASIL-approved environment
detection software with the
focus on LiDAR sensors



Reference measurements

LFT
BITTE
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Our Values



Mission

LFT -----

Quality

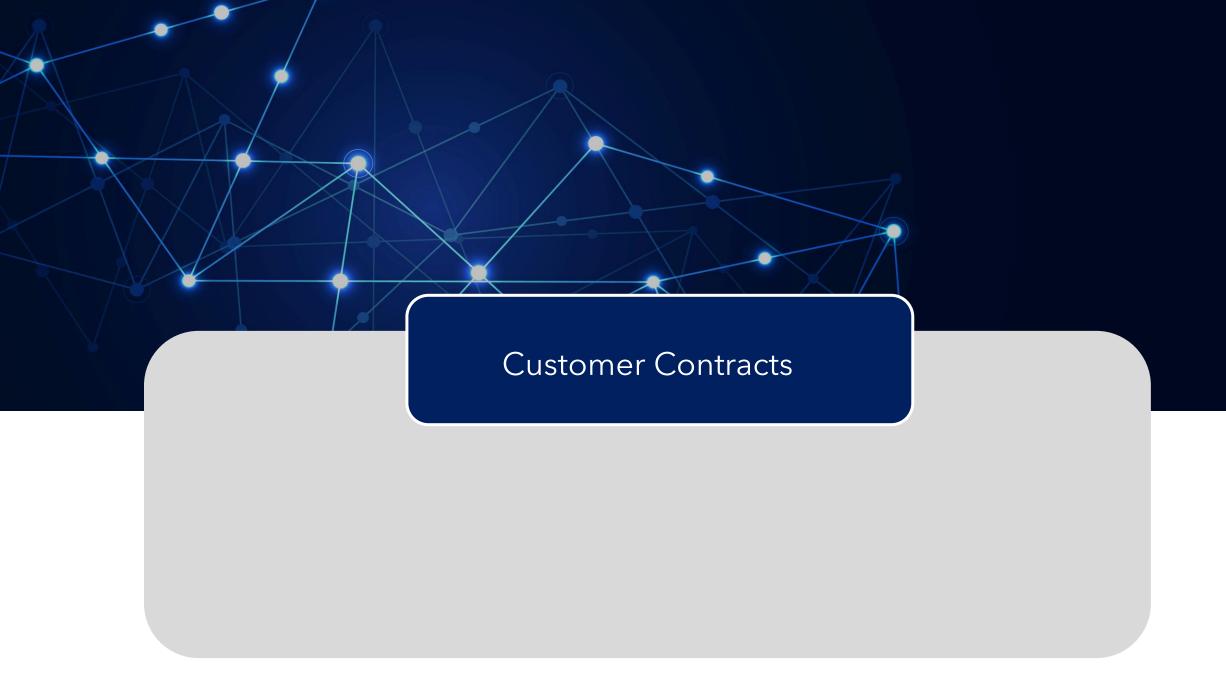
LFT provides ongoing consistency checks:

••••••

Innovation

LFT -----









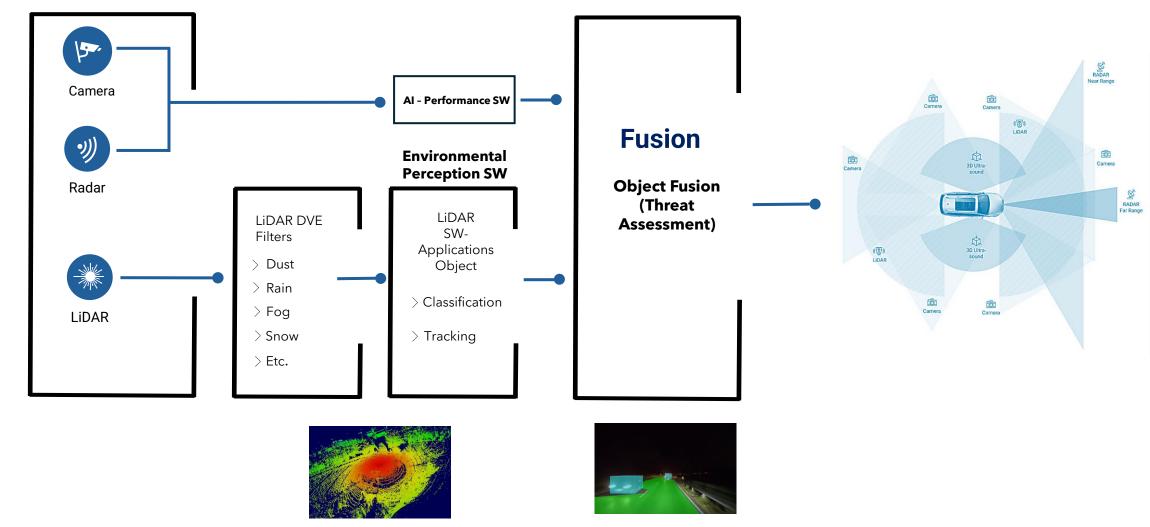
Safe environmental perception is required!

LFT's Solution

- Multimodal sensor suite and safety monitoring is a prerequisite for a complete provision of the "intended function".

 (e.g. autonomous driving)
- Fusion processes are required for the functional safeguarding.

Our Safety KIT



Safety KIT Video



LiDAR Validation

More than 93 LiDAR sensors are already tested

In real world scenarios

- Integration of LiDAR-Under-Test on LFT reference system
- Recording and analysis of typical scenarios under different ambient conditions sun, rain, snow
- Qualitative evaluation of detection ranges, intensities, noise levels, artefacts, homogeneity, bloomig, ghost images etc.
- > Comparison to reference LiDARs operating at 905 nm and 1550 nm

- Calibrated reference targets, flat, spatially structured, mixed reflectivities, mesh fence, etc.
- > Qualitative evaluation of detection ranges, intensities, noise levels, resolution, homogeneity over FoV

n defined conditions