

How to make business with LiDAR? Perspective of LiangDao

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Start-up founded in 2018 in Germany and China



LiDAR System Provider for Automotive Industry and Smart City



Core Competence: LiDAR Perception Systems



Close Cooperations with OEM Customers and Cities



Innovation Award of Landeshauptstadt München 2021; Top100 Innovator in Germany 2022

Company Locations



Munich
HQ of LiangDao Germany



Berlin
European R&D center



Beijing
HQ of LiangDao Intelligence



Shanghai
Business center
of LiangDao Intelligence

Use cases of LiDAR Perception System



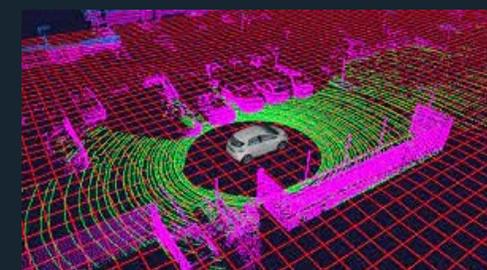
Collision prevention



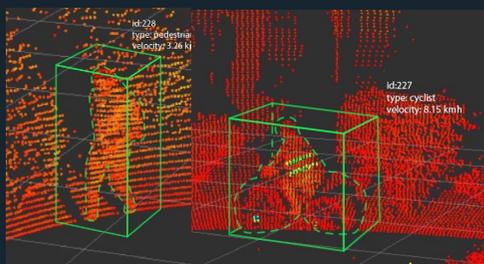
3D tracking of accidents



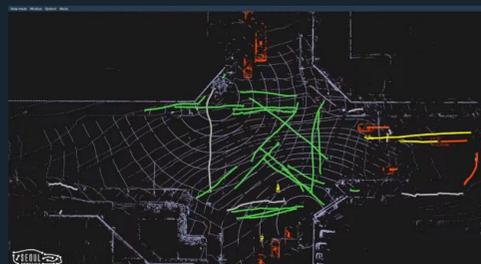
Traffic flow optimization



Parking spot allocation



Pedestrian & bicycle detection



City layout planning



Event traffic management

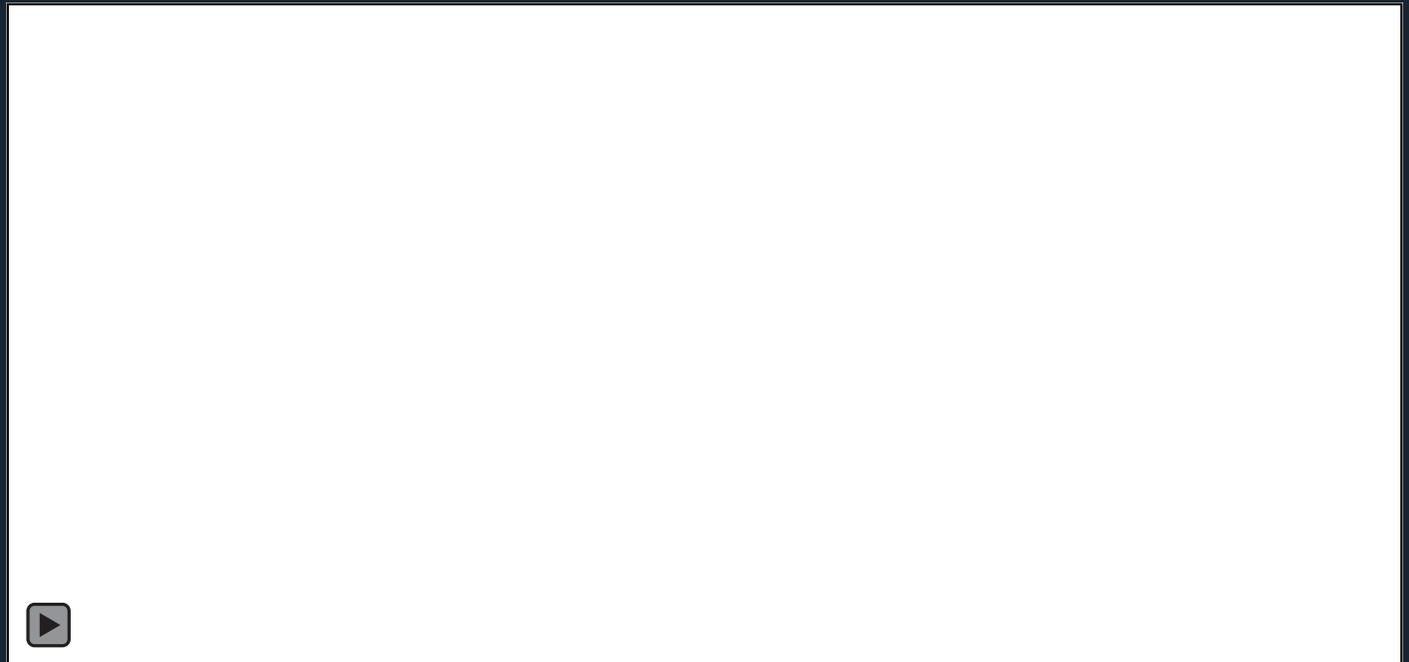


Traffic light control for vulnerable road users

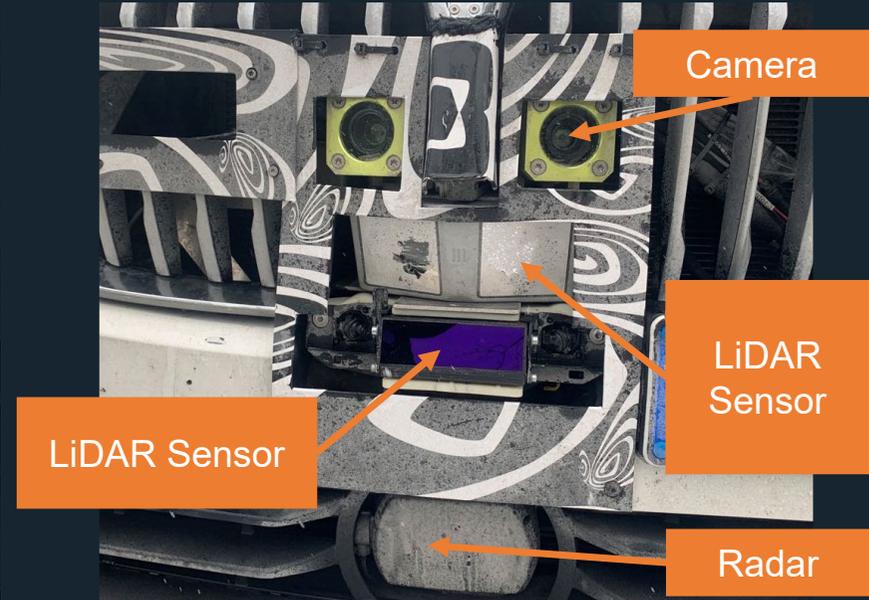
LDCompass System

LDCompass[®] Multi-LiDAR perception system

LD Compass System □ 1xOS2-128 + 3xOS0-64 + OxTS 3000



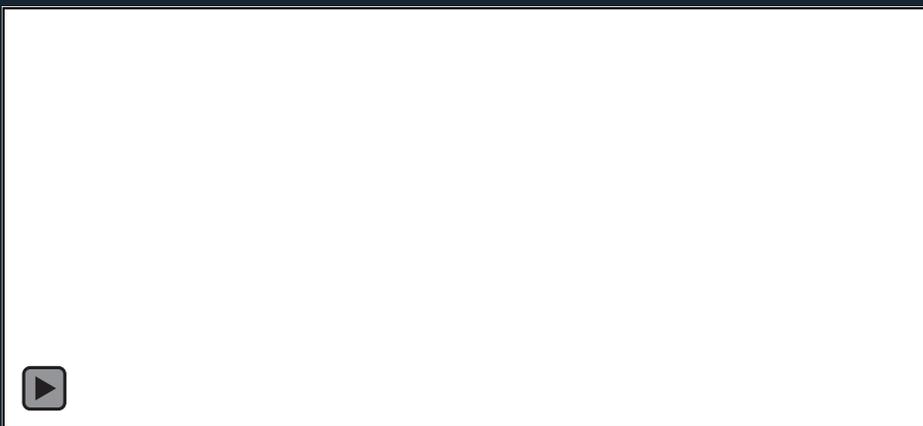
LiangDao Perception Algorithm: highly adaptive



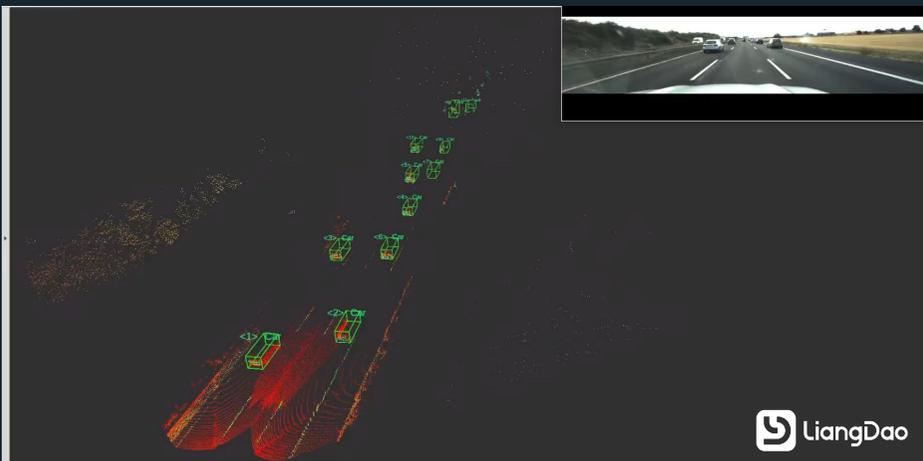
LiangDao Software enables the automotive industry to use best in class **multi sensor setups** for **autonomous, advanced driving and assistant systems**

LiangDao Perception Algorithm: highly adaptive

Real time Perception



RS M1 LiDAR

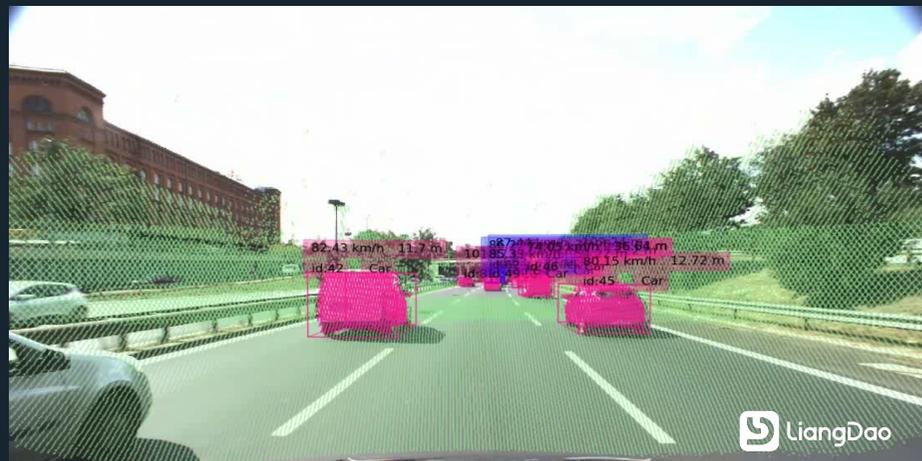


InnovizOne LiDAR

Offline Perception/Ground truth



Innovision Jaguar 300 LiDAR



Fusion of Camera and LiDAR

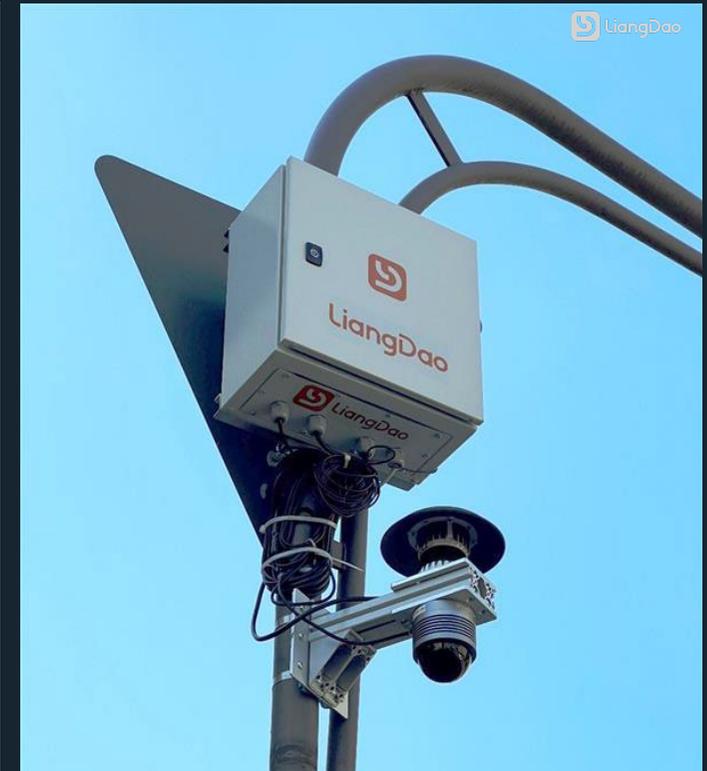
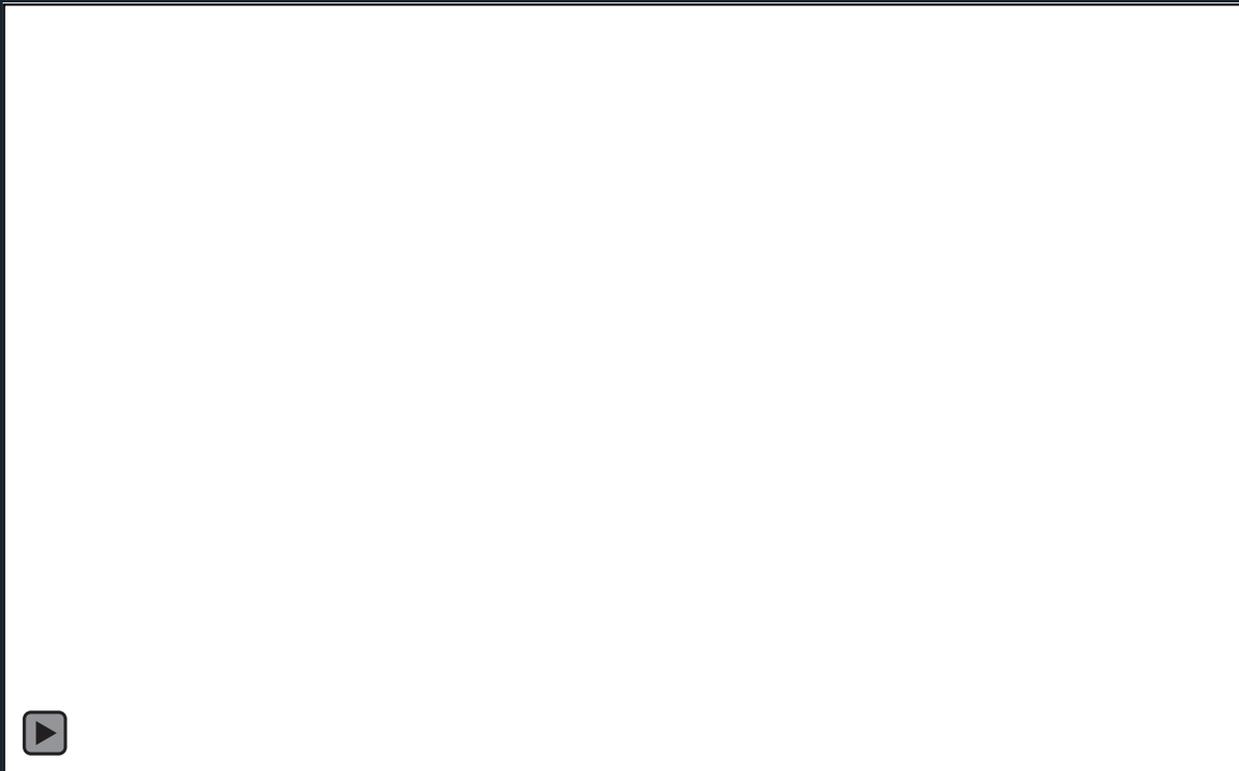


Core advantages of LiangDao's algorithm

- ✓ **compatibility** with all mainstream LiDAR hardware products
- ✓ **compatibility** with differentiated driving environments
- ✓ **compatibility** with mainstream computing platforms

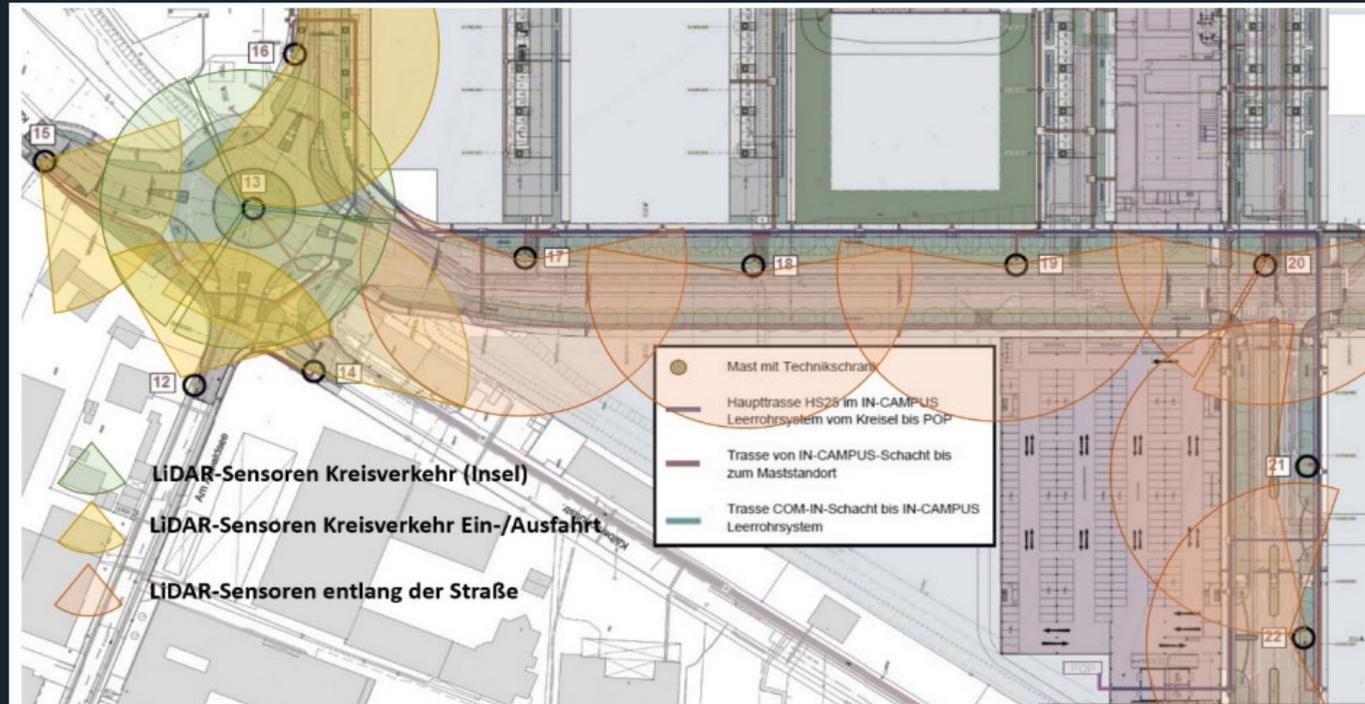
LiDAR Sensor System for Smart City

LDTelescope[®] Roadside sensing solutions



Real-time 3D Environment Perception, Object Detection and Tracking

Funded by German Federal Governments



Research project:
5GoIng

Focus:
**Connected mobility in
Ingolstadt**

Realization of open
development and
demonstration platform for
5G applications

Gefördert durch:



Bundesministerium
für Digitales
und Verkehr

aufgrund eines Beschlusses
des Deutschen Bundestages

- 01** Ability to find and create countless use cases
- 02** Compatibility of our perception system
- 03** Connection with partners and customers in China and Germany

THANKS

LD LinkedIn



LD YouTube



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FUTURE
MOBILITY