

# COMPANY PROFILE

## SOSLAB

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## *SMART WORLD, SMART OPTICAL SENSORS*

SOSLAB, a LiDAR sensor provider,  
delivers advanced safety to the world.




# PROUDCT TIMELINE



**2016** → **2017** → **2018** → **2019** → **2020** → **2021**

**GL**




**Essential 2D LiDAR**

Industrial robots & Factory automation


- Area detection
- Collision avoidance
- SLAM

**ON SALE**



43 Clients

**SL**




**High-resolution 3D LiDAR**

Surveillance & Smart city


- Object detection / Tracking / Classification
- Closed-circuit monitoring system
- Advanced intelligence transportation system (ITS)

**ON SALE**



27 Clients

**ML**




**Compact 3D Solid-state LiDAR**

Automotive

- Accurate recognition in vehicle surroundings
- Autonomous driving
- High-level ADAS

**SAMPLE AVAILABLE**



FOR SERIES PRODUCTION PARTNERS.  
CONTACT US!

PROUDCT / INDUSTRIAL ROBOTS & FACTORY AUTOMATION

# ESSENTIAL 2D LiDAR










## GL



- Flexible response to various situation with 40hz scanning speed.
- Accurate measurement at 0.18 angular resolution.
- Ensure performance even under high-speed movements.



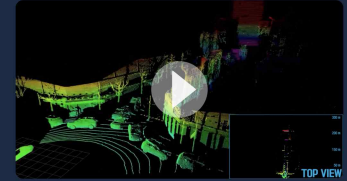
						
FIELD OF VIEW	DETECTION RANGE	ANGULAR RESOLUTION	SCANNING FREQUENCY	ACCURACY	SOFTWARE	CERTIFICATION
180°[H]	0.05 – 25m	0.18°[H]	20 / 40fps	Up to ± 30mm	Customized area detection (patterns & levels)	KC, CE, FCC

# HIGH-RESOLUTION 3D LiDAR

## SL



- Combination of two different scanning methods; MEMS & Polygonal mirror.
- Providing qualitative raw data for object detection, tracking, and classification sufficiently based on precise resolution.
- No risk of invasion of privacy.



<b>FIELD OF VIEW</b> 110°[H] x 20°[V]	<b>DETECTION RANGE</b> 170m (@10%)	<b>ANGULAR RESOLUTION</b> 0.17- 0.67°[H] x 0.339°[V]	<b>SCANNING FREQUENCY</b> 5 - 20 fps	<b>ACCURACY</b> Up to ± 30 mm	<b>SOFTWARE</b> Intensity data API Perception API

# COMPACT 3D SOLID-STATE LiDAR

## ML



- Key enabler of autonomous driving technology.
- Optimal performance for monitoring of vehicle surroundings based on advanced optical technology.
- Compact size and lightweight for easier mounting in different locations.
- Designed by simple structure which makes the production process simple for mass production.



<b>FIELD OF VIEW</b> 20°[H] x 11.2°[V] 60°[H] x 30°[V] 180°[H] x 45°[V]	<b>DETECTION RANGE</b> 200m (@10%) 80m (@10%) 40m (@10%)	<b>ANGULAR RESOLUTION</b> 0.1°[H] x 0.1°[V] 0.31°[H] x 0.6°[V] 0.5°[H] x 0.9°[V]	<b>SCANNING FREQUENCY</b> 25fps	<b>ACCURACY</b> Up to ± 30 mm

\* Auto-grade qualification will be completed by 2021.4Q.

# COMPANY HIGHLIGHTS



**\$14M**

Total Fund Raised



**22**

Customer Projects Completed



**32**

Patents Registered (+68 Applications)

## PARTNERS



ON Semiconductor®



## INVESTORS



*We make the world smarter  
with **LiDAR.***

