

SENSOR

Sensor-Agnostic Perception Software to Democratize LiDAR

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About SENSR

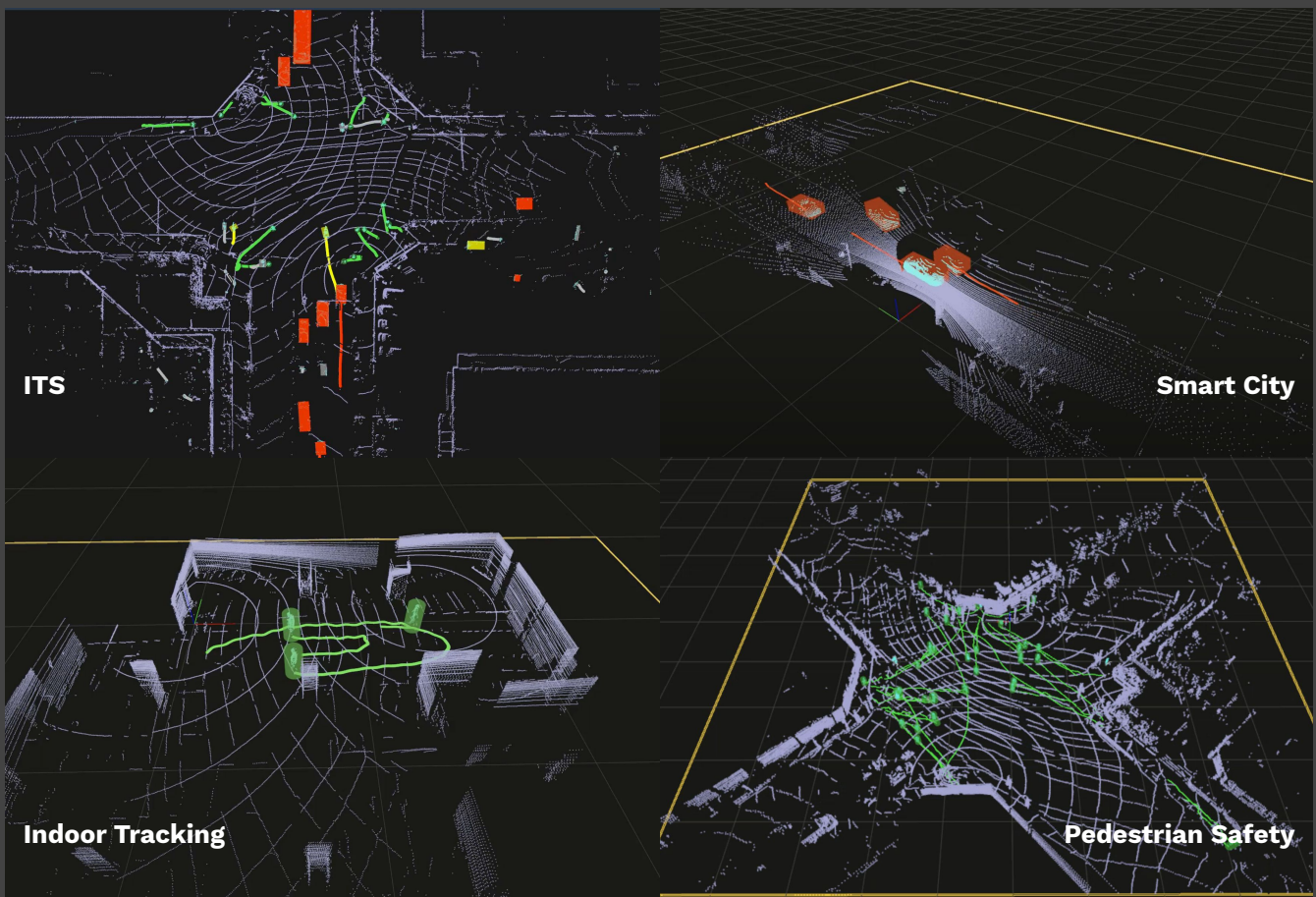
SENSR 3D Tracking Software is an all-in-one people and vehicle tracking solution that simplifies the 3D sensor experience and lowers the barrier for companies wanting to implement insights from 3D data into the systems and processes.

Powered by AI

Its patented 3D computer vision system combines with Machine Learning to allow for live detection, tracking and classification of objects in true 3D space.

Open Platform

SENSR's open platform architecture supports over 70 types of 3D sensors and is part of a quickly expanding ecosystem of sensor, analytics and integration partners, ready to be used in traffic safety, retail analytics, smart cities and many other markets.



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Why SENSr?

SENSr was developed as a direct result of high interest and demand for 3D tracking systems. The Lidar market has exploded since 2016 and while new Lidar sensors are entering the market on an almost weekly basis, no open software platform solutions existed for these sensors.

This all changes with the introduction of SENSr, the first open-platform, sensor independent 3D tracking solution available in the market, allowing you to select from a large variety of affordable sensors, picking the right sensor for the job and for the budget.

Simple and Easy-to-use 3D Tracking Solution

Everybody knows how cameras work. The same cannot be said for 3D sensors. This is why SENSr is designed in a way that takes care of all the hard parts, so you only have to worry about what you are going to do with all the new insights from true 3D data that is now available to you. Want to see where your retail customers are spending the most time? Build a heatmap. Concerned about accidents in the workplace? Build a close-call audible warning solution. The data is there, ready to be used.

Hardware Flexibility

With over 70 brands and types of 3D time-of-flight sensors supported you have flexibility to choose the best sensor for your project. Any time a newer, better, cheaper sensor hits the market you will be able to take advantage of it, future proofing your solution.

Software Flexibility

Every project is different. Which is why designed our tracking software to be flexible and deliver it with a powerful SDK, so you can build on our foundation to quickly develop a unique solution that suits your needs.

Designed for Scalability

SENSr is designed from the ground up with advanced networking in mind, allowing seamless tracking transition across sensor boundaries. Our unique architecture transforms these sensors into true smart sensors, reducing the data load and the cost of infrastructure.

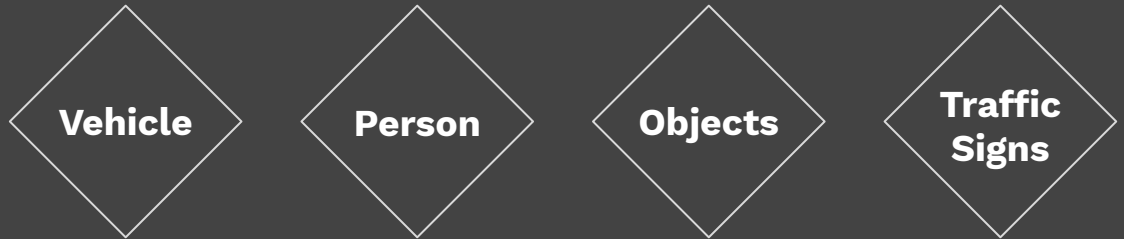
Data Privacy Built-in

As more and more privacy laws are introduced, 3D tracking solutions are the perfect solution as it does not identify the targets, but merely tracks them, allowing this solution to be installed where cameras cannot.

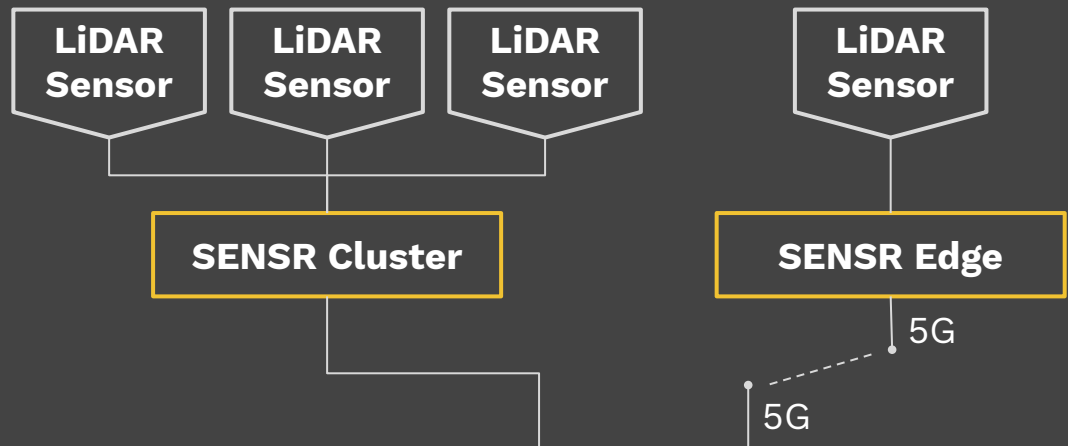
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How System Works

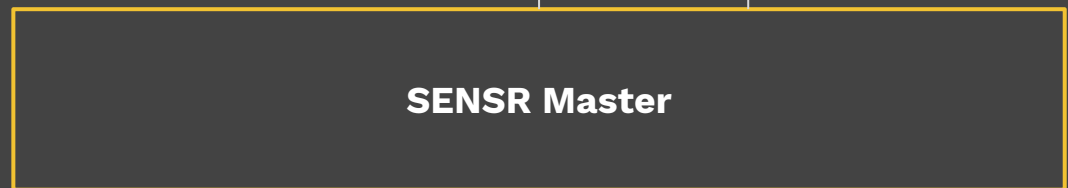
Environment



Sensor Client



Master



Applications



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Features

**Supports 70+
Types of Sensors**

**True 3D
Live Tracking**

**Track Hundreds
of Objects**

**Machine Learning
Object
Classification**

**Live Object List
Data Stream**

**Multi-sensor
Fusion**

**Distributed
Computing**

**Browser Based
Interface**

REST API

**3D Zones with
Entry/Exit Triggers**

Digital I/O Triggers

SDK

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Industry Applications

Security

- Access Control
- Intrusion Detection
- Perimeter Security
- Speed Detection

Venues

- Customer Journey
- Space Efficiency
- Emergency Management
- Threat Detection

Smart Factory

- Workplace Safety
- Heavy Vehicle Collision Avoidance
- Overheight Detection
- Autonomous Robot Navigation

Retail

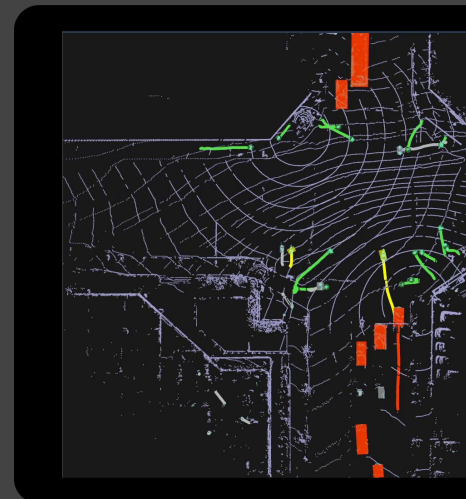
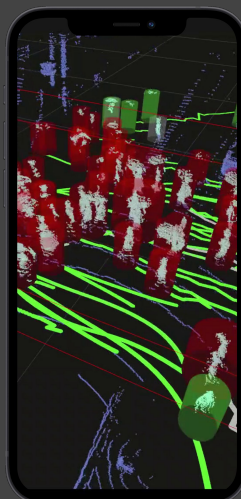
- People Flow Analysis
- Customer Count And Dwell Time
- Employee Interaction

Smart City

- Public Transportation Efficiency
- Space Usage

ITS

- Traffic Flow & Re-routes
- Accident Detection
- Vulnerable Road User
- Smart Traffic Lights
- Railroad Crossing Safety
- Wrong Way Driving
- Speeding



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Credentials

Our Proud Partners & Clients



About Seoul Robotics

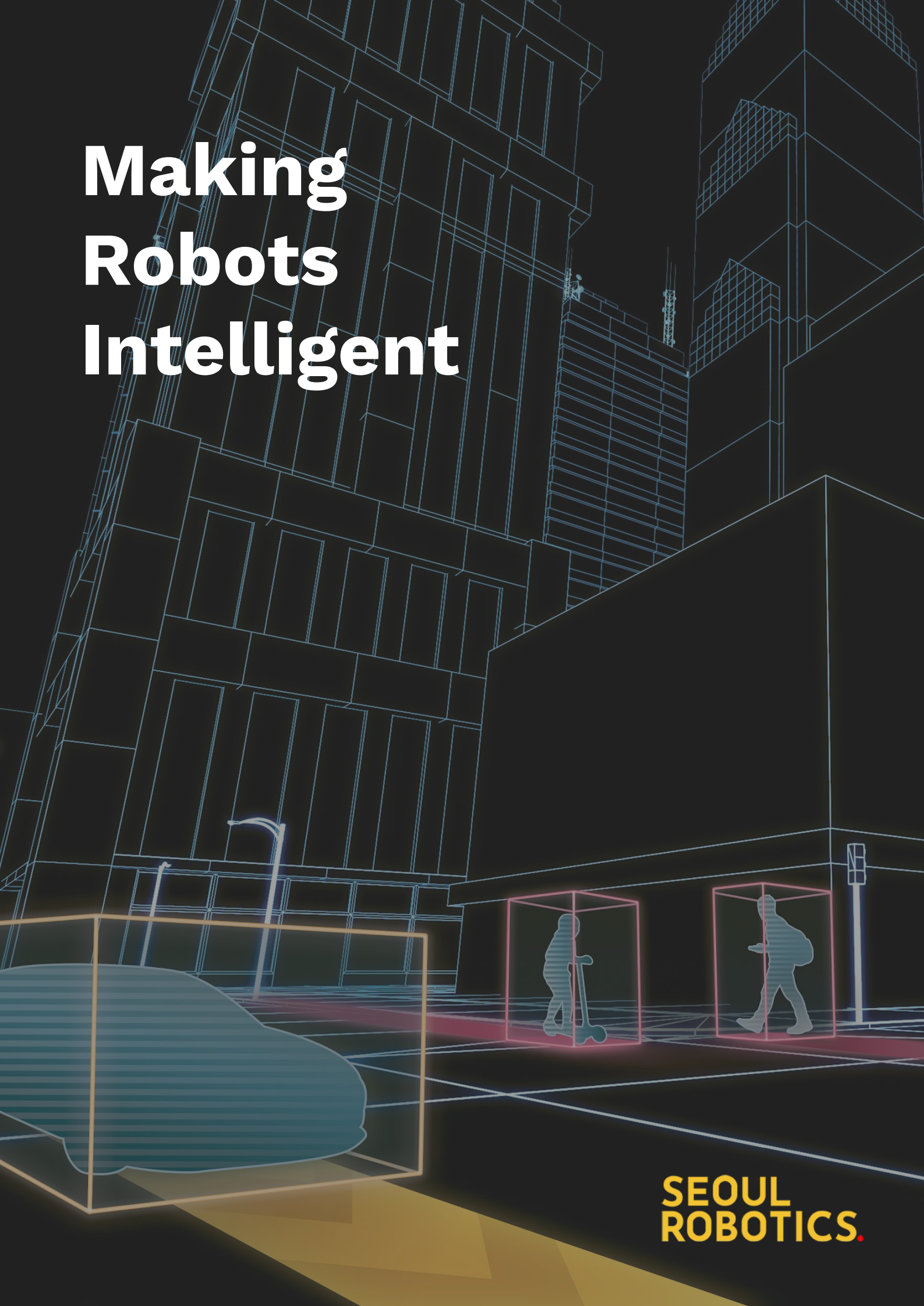
Seoul Robotics is the pioneer in advanced 3D computer vision technology, and leading provider in Lidar solutions. With their base in Seoul, Ann Arbor, and Munich, Seoul Robotics serves international OEMs and government partners to democratize Lidar solutions.

seoulrobotics.org

Ask Us About Our Products

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Making Robots Intelligent



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