Autonomy is upon us; the new cars with Levels 3 and 4 autonomous driving features are ready to hit the road! The delivery robots and driverless shuttles are ready to deliver and take us around!
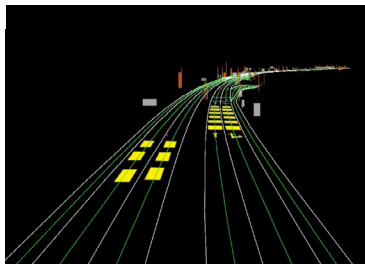
The automotive and robotics companies demand affordable, up-to-date HD Maps with high accuracy and detailed geometry! PolyExplore Inc, a San Jose, California-based, vertically-integrated navigation company, delivers! The company provides high-accuracy, large-scale HD mapping services to many automotive and autonomous companies worldwide!

## ADVANCED HD MAPPING FEATURES

| PROFILES | FEATURES |
|---|---|
| Intersection | Node profile. Boolean flag marking |
| Basic Geometry | Heading change, curvature, slope |
| Road geometry and linear objects | Polyline, centerline, lane boundaries, lane markings, lane centerlines, physical lane dividers, curbs, guard rails, fences, walls |
| Lane geometry and connectivity | The geometry of lanes (offsets), drivable lane width in cm, and connections between road segments |
| Driving conditions | Effective and extended speed limits, traffic signs and lights, directions and restrictions |
| Form of way | a tunnel, a bridge, a divided road, etc. |

**Visit polyexplore.com For More Information.**

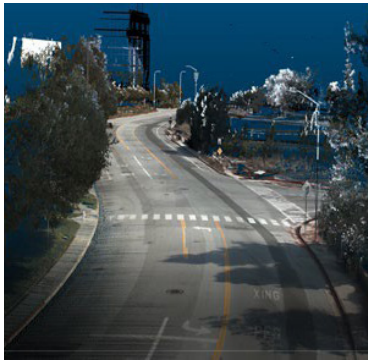High End, Cost-Effective Navigation Solutions.

**PolyExplore Inc.**

2210 O'Toole Ave, Suite 240, San Jose, CA 95131
contact@polyexplore.com

POLYEXPLORE

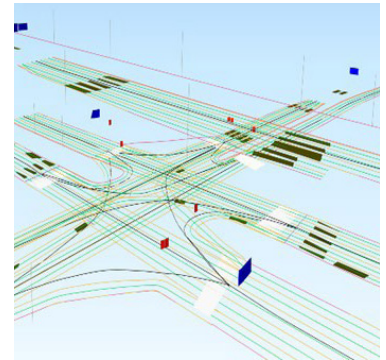REV. 1.00

## POLYEXPLORE HD MAPPING SERVICES







**Field Data Collection**

High accuracy, 5 cm absolute.
High speed, large scale, low cost
Annotated las files, trajectory, and
accuracy reports.
Images with geo and time-tagged
Colorized point cloud data.

**Road Features**

Lane, Pole, Traffic Signs, Curb,
and Manhole cover detection and
extraction.
Road borders and guardrails.

**HD Map Format**

SHP, OpenDrive, OpenCRG, Geojson,
and database.

## HD MAP SPECIFICATION

| Features | Specifications |
| --- | --- |
| Accuracy | 5 cm absolute accuracy, 5 mm feature accuracy |
| Map features | Lanes, Poles, Traffic signs. Lanes and curve fitting with lane correlation, slope, and width. Utility holes covers |
| Formats | SHP, OpenDrive, OpenCRG, Geojson and database |
| Scale | Country, region, city, down to close-circuit campus, worldwide |

Visit **polyexplore.com** For More Information.

High End, Cost-Effective Navigation Solutions.

**PolyExplore Inc.**

2210 O'Toole Ave, Suite 240, San Jose, CA 95131
contact@polyexplore.com

*POLYEXPLORE*

REV. 1.00