

# SmartLiDAR RoadXtract™

## Product Overview

SmartLiDAR™ RoadXtract™ - a stand-alone tool, designed for road transportation engineers and DOTs to extract design grade topographic information from LiDAR point clouds. RoadXtract™ offers the right blend of automation and user interaction to maximize productivity while insuring quality. With Streamlined workflows, small and large size projects are completed in the shortest amount of time while preserving the desired level of precision.

- **Extract and digitize all Road features - Edge of Pavements, Road Lines, Fog Lines, Curb and Gutter and more..**
- **Customizable Feature Codes** for **Design Level** layering/attribute information for various organizations
- **Detect accuracy** of LiDAR point cloud data with control points
- Generate outputs **compatible** with **Bentley and Autodesk** products
- Efficient use of calibrated images for extraction
- **Visualize** vast point cloud data in **3D**
- Rich viewing options– **Elevation, Classification, Intensity, RGB Color** and so on..
- View **Triangulated Road Surfaces**
- **Instantaneous Classification** of LiDAR point cloud data
- **Change Detection** for managing **Pavement Management and Monitoring**
- **Cross Section Views**
- **Contour Generation and Export**
- **QA/QC Red Lining**
- **Intelligent panning** of project area

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