

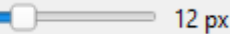
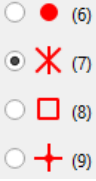
True 3D stereo lidar mapping application: **LiDARMAP basic**

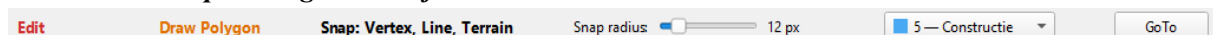
- ✓ **Easy start-up** : Define new project, working directory, select structure layers and attributes
- ✓ **Import Lidar data**: LAS, E57, txt format
- ✓ **Continuous Autosave + Import / Export vector data** : Shape, DXF
- ✓ **Multiple View modes of Lidar data**: RGB, color, Intensity, Intensity gradient, Classification, Return number, Source and others
- ✓ **Easy color change**: Layers, Lidar classes, shape files
- ✓ **Easy select the view status ON/Off**: Layers, Lidar classes, Las Files, shape file
- ✓ **7 navigation modes**: Move In, Drive In, X, Y, Z direction, 3D Perspective view and 2D:



- ✓ **Multiple functionalities during editing very easy to access with a single click, see below:**

• Insert vertex: I 	• Move vertex: M 
• Draw point: P 	• Draw polyLine : L 
• Draw polygon : G 	• Draw Arc: A 
• Draw Curve: V 	• Draw Circle: O 
• Draw Rectangle: R 	• Draw a line profile: 
• EXplode polygon: X 	• Join Polygons : J 
• Delete Vertex: D 	• Delete selected object: DEL 
• Generate polygon empty space Y 	• Cut Polygons: N 
• Polygone Autocomplete : H 	• Draw 3D Fences: 
• Select any object: S 	• Select Point: 
• Select Polyline: 	• Select Polygon: 
• Snap to plane: 1 PL 	• 2D snapping: 2 2D 
• 3D snapping: 3 3D 	• Snap to LAS points: 4 U+ 
• Snap to nearby lines/vertices: 5 U/ 	• Snap to Terrain: T U 
• Abort command: ESC 	• Undo command: Ctrl + Z 
• Edit mode : E 	• Change 3D Fence 

- ✓ **Update layers structure**: Delete (only if empty) / Add a Layer, name change, export to CSV
- ✓ **Easy control of the layer view**: Control the dimension of vertex and the width of the lines
- ✓ **Easy control of the snap radius**:  Snap radius  12 px
- ✓ **Easy change of the cursor shape and color**:  
- ✓ **Vectoring both in 3D perspective and True stereo mode**: Anaglyph (red/cyan, red/blue)
- ✓ **4 modes for 3D stereo view**: Crystal-Eye, Interlaced, side by side, CheckerBoard
- ✓ **All time help messages and information on the bottom line**:



- ✓ **Easy way to select attributes to be shown on the screen**, including Z coordinate, text size.
- ✓ **Easy control of usefull parameters**: Trackball Z sensivity, speed of the navigation, focal point axis...

True 3D stereo lidar mapping application: **LiDARMAP PRO**

LIDARMAP BASIC +

- ✓ *Follow me navigation function during vectoring;*
- ✓ *Edge detection function: automated vectoring based on edge consistency;*
- ✓ *Functions to Help the operators to improve their skills: Rewards concept, see bellow:*

 **Rewards** An optional function of 3 variable:

 Likes

 Hearts

 Points

1. Number of vertices / time unit
2. Number of objects / time unit
3. Number of corrections / time unit (move, insert, delete)

You can compete with other users worldwide

- ✓ Executable Stereoscopic Training

LIDARMAP PRO introduces an innovative training concept based on the recording and replay of complete stereoscopic working sessions.

Unlike conventional screen recording, which captures only a flat sequence of images and therefore loses the original depth perception, LIDARMAP records the actual workflow performed inside the three-dimensional environment.

The system captures the commands executed by the operator, the time intervals between actions, mouse and keyboard input, object selections, editing operations, snapping modes and the complete position, orientation and zoom level of the stereoscopic viewpoint.

During playback, LIDARMAP does not display a prerecorded video. Instead, it re-executes the recorded operations directly on the original LiDAR and vector data, reconstructing the working session inside the application as though an experienced operator were once again using the computer.

To our knowledge, LIDARMAP PRO is among the first professional LiDAR mapping solutions to use executable workflow recording specifically for preserving and transferring stereoscopic working procedures.

True 3D stereo lidar mapping application: **LiDARMAP Demo**

LIDARMAP BASIC -

- Autosave function
- Export functions
- 15 days availability after installation