



# TRIPOLI, LIBYA

## Topo Maps – Data Conversion

### Keywords

- Efficiencies translate into significant cost savings for the client
- On Screen Digitization
- Perfect vector formats
- Attribute Data linked to map.

### Results

- Output data consists of shape files with all required attributes.
- Plots, Road centerlines, Road sideways, Structures and Point features.

For More information



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*Tripoli, the ancient capital city, was designed by the Romans, and remains one of the most exotic destinations on the planet and had the Paper based Topo maps to convert into vectors with attribute linked data.*

### The Challenge

On-Screen Digitization processes to Convert drawings, maps, plans, etc., into a file that are ready to use by a CAD (Computer Aided Drafting/Design) software system. Methods and proprietary processes for converting documents into CAD-Perfect vector formats has been shown to be four to ten times more efficient as other conversion options, such as board digitizing. These efficiencies translates into significant cost savings for the client.

### The Solution

The entire digitization is being done using GIS software's, the data layers Captured as Point and line. Then the line layer is being converted to polygon for layers like Plots and Structures. Layers are being captured as keeping the following output Layers i.e. polyline- sideways with names, Plots-polygon, Structures-polygon Point features. The point features are being classified along with the mentioned layers Road Centre line is also being captured. After feature capturing/ digitization as line, line topology is being created and then the lines of Plots and Structures are converted to Polygon features. Polygon topology is being checked and attached attribute data.



### Results

The output data consists of shape files i.e. Plots, Point Features (such as trees), Roads Center Line, Roads Sideways, and Structures.

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