

Who Are We?

GeoShot Technologies is a professionally managed firm offering specialized technology services in graphics, animation, GIS, BIM, CAD and software development. GeoShot has office at Delhi NCR region in India.

We offer state-of-the-art and highly reliable GIS mapping, photogrammetry, LiDAR and UAV data processing services for worldwide clients.

Backed by industry-wide domain knowledge and technology expertise, skilled management and engineering teams and process approach in all our practices, we offer a range of services that enable our clients to use GIS effectively for diverse applications.

Geoshot Advantages

Highly Qualified Team

Quality Practice Standard

Data Security Standard

High Accuracy Data Output

Proven Track Record

Custom Tools Automation

Cost Effective

Services

Aerial triangulation

Terrain Model

Orthorecification

Contour Mapping

3-D Building Capturing

Topographic and Planimetric Feature Extraction



Photogrammetry Mapping

(High Accuracy. Top Quality)

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Aerial triangulation

There are three phase of aerial trangulation:

Raw Data Preparation

Image Management

Block setup and Management

Orthorecification

Orthorecification is the mathematical process of removing the distortion caused by relief and the camera within a photograph so that the scale is uniform throughout the output image. In es sence, the image can be considered a map.

Topographic and Planimetric

Planimetric mapping natural and manmade features in their true coordinate positions, showing them to scale on our maps.

Required features are captured in stereo envi-ronment with photogrammetry software.

These features are Building, Road edges and Centerlines, Driveways, Kerbs and Gutters, Rail, Culverts, Water and Storm drainage features, Utility covers, Utility poles, Guard rails, Signs Boards, Fences, Trails and Vegetation.

Features can be extracted in either 2D (X, Y) or3D (X, Y, Z) formats.

We are handling data capture from small to large scale stereo models and generate digital topographic maps of high precision

3-D Building Capturing

For Building models Building foot print, roof lines and facade details are extracted with pho-togrammetric technique using GIS technique 3d Buildings are generated with Attributes.

Terrain Model

Using aerial triangulation result DEM is gener-ated automatically and verified by manually for Quality purpose.

DTM (Digital Terrain model) can be described as a three dimensional representation of a terrain surface consisting of X, Y, Z coordinates stored in digital form and It includes not only Terrain elevation also natural features such as rivers, ridge lines, etc. Natural features are called break lines.