



DEMS AND DTMS

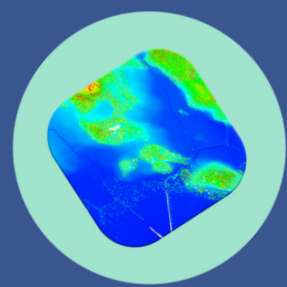
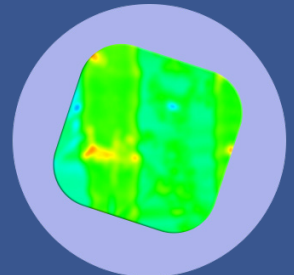
CASE STUDY

*CartoSolution build high resolution **Digital Elevation Models (DEMs)** to support specialized applications such as **Watershed management, 3D modeling, volumetric calculations** for BIM, hydrology, and orthoimage generation.*

OVERVIEW

CartoSolution has 15+ years of experience in working with DEM related data and gained vast knowledge of creating high quality / resolution Digital Elevation Models (DEMs) to fueled specialized applications such as 3D modeling, volumetric calculations, and powerline as-built surveys. CartoSolution also generates detailed Digital Terrain Models (DTMs) for contour generation, orthophoto rectification, and flood plain mapping.

Digital surface model (DSM) represents the earth's surface and includes all objects on it. In contrast to this, a digital terrain model (DTM) or digital surface model (DSM) represents the bare ground surface without any objects like trees and buildings. A DEM can be represented as a raster (a grid of squares, also known as a heightmap when representing elevation) or as a vector-based triangular irregular network (TIN).



“ CartoSolution has worked with us for a period of six months in executing the DEM processing. During these periods we found that CartoSolution team with strong software skills, good technical knowledge in visualizing the complex forms, shapes and finishes along with commitment, flexibility and excellent dedication to complete the project within the time frame allotted.”

Antonios Dimitrakopoulos, Project Manager