

# HI-DEM

## HARRIS HIGH-RESOLUTION, HIGH-ACCURACY TOPOGRAPHIC MAPPING SERVICES

### HI-DEM CUSTOM TASKING OFFERS UNBEATABLE DATA FOR PROJECT SITE PLACEMENT

#### BENEFITS

Drainage and hydraulic projects such as mapping out sites to build a dam or floodplain inundation studies

Mining operations including mapping out sites prior to initiating activity

Corridor mapping for oil and gas pipelines or fiber-optic routes

Harris Geospatial Marketplace offers a top-of-the-line topographic mapping service called Hi-DEM. This service involves collecting high-resolution stereo images to create high-resolution, high-accuracy digital elevation models (DEMs), topographic contour lines, orthorectified images, and other planimetric vector products. Behind the scenes is a team of photogrammetrists with more than 25 years of topographic mapping experience who have perfected the science of providing the very best surface and terrain models in the industry.

#### THE HI-DEM DIFFERENCE

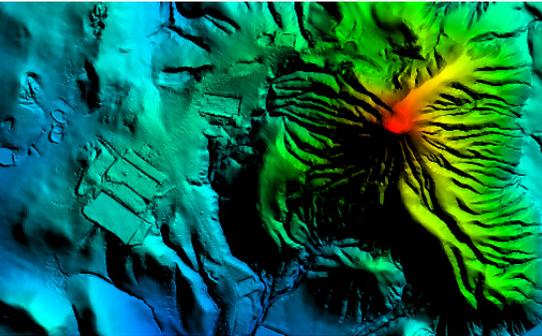
- 1 meter digital surface model (DSM) data
- 5 meter digital terrain model (DTM) data
- 1 or 2 meter contour data
- 0.5 meter natural color ortho image data
- Highly accurate at sub-meter root mean squared error (RMSE) vertical using client-supplied ground survey control points source imagery
- Source Imagery: WorldView, GeoEye, or Pleiades satellites

## CUSTOMERS USE HI-DEM DATA FOR:

Enlist a team of photogrammetric experts to assist with your project from start to finish

Use the best surface and terrain models available for the most accurate results

Get your job done quickly and efficiently saving both time and money



# THE HARRIS GEOSPATIAL MARKETPLACE ADVANTAGE

Our photogrammetric mapping team has many years of experience crafting the elevation models offered through the Marketplace. While many companies can create elevation models with comparable resolutions, our hands-on approach allows for a more refined, better quality end product. Our photogrammetrists will take the time to look over each model of a project area to account for any details that may have been missed. When we map the topography, we delineate 3D elevation break lines that represent abrupt changes in slope and ensure that the model truly represents the morphology of the landscape. Break lines are typically identified along river banks, stream lines, and hill top edges. When a terrain model is automatically generated, as many of our competitors do, these key details of the terrain will be missed, often resulting in drainages being “filled” and hill tops removed – not a good situation when accuracy matters!

Additionally, our team will remain in constant contact with you to ensure that the mapping project is successful and delivered on time. A project manager will assist in the selection of ground control points, defining area boundaries, and identifying any other key details that need to be addressed. As a distributor for all the leading commercial imaging satellites with access to a very large constellation of sensors, we can facilitate getting your job done as quickly as possible and for the very best value. Furthermore, with a large archive catalog to choose from, we can often find the available stereo pair image data for a given project area and deliver it to you faster than a company who only works with their own satellites. All of these factors combined provide you with the best topographic mapping solutions available, within the shortest time frame, and for the best value possible.

**HAVE A PROJECT THAT YOU THINK COULD BENEFIT FROM OUR HI-DEM SERVICE? LET'S TALK!**

### About Harris Corporation

Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers in more than 100 countries and has approximately \$6 billion in annual revenue. The company is organized into three business segments: Communication Systems, Space and Intelligence Systems and Electronic Systems.

Learn more at [Harris.com](http://Harris.com).

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[HarrisGeospatial.com/Marketplace](http://HarrisGeospatial.com/Marketplace)

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