

Consider the benefits of immediate access to the best-of-breed 3D terrain information for the world. Intermap Technologies® NEXMap® database provides optimized, multi-sensor-derived digital elevation data and orthorectified radar images to enable accurate geospatial analyses in any area of interest.

Our NEXMap products consist of seamless, wide-area, and current terrain information, including:

- **Digital surface model (DSM)** – a first-reflective-surface model that contains elevations of natural terrain features in addition to vegetation and cultural features such as buildings and roads.
- **Digital terrain model (DTM)** – a bare-earth model that contains elevations of natural terrain features such as barren ridge tops and river valleys. Elevations of vegetation and cultural features, such as buildings and roads, are digitally removed.
- **Orthorectified radar image (ORI)** – a grayscale radar image of the earth’s surface that has been corrected to remove geometric distortions caused by the terrain.

### ADVANCED DATA OPTIMIZATION

We ensure our data is seamless and consistent throughout the world. Our ISO-certified geospatial processing facility optimizes our NEXMap products so they are:

- Void-filled – missing data as a result of shadows, complex terrain, and / or look direction are filled via interpolation or with ancillary data to create a fully populated elevation dataset
- Hydro-enforced – structures over water bodies (such as bridges) are removed, water surfaces are flat, and watercourses flow downstream to enable flood modeling applications
- Ortho-ready – elevations of bridge decks are maintained and roads are smooth to accommodate the use of DEMs in the orthorectification of high-resolution optical imagery

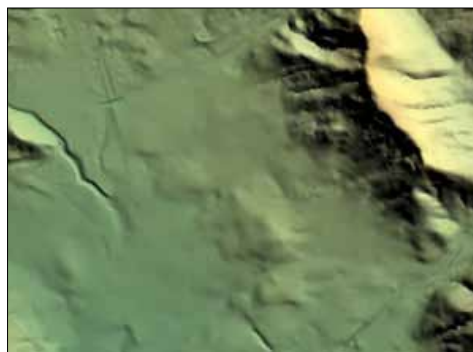
Intermap’s® highly skilled people, development of advanced technology, and continuous refinement of our data processing and editing procedures enables us to provide accurate data that satisfies your geospatial needs.

Seamless, wide-area, consistent, and current elevation data and images are critical for performing accurate geospatial analyses. Our NEXMap products enable:

- Base, topographic, and geological mapping
- Flood modeling
- Watershed analysis
- Emergency response
- Land cover classification
- Forestry applications
- Natural resource conservation
- Environmental risk analysis
- Infrastructure planning
- Image orthorectification
- Contour generation



*Digital Surface Model*  
Resolution: 5m  
Vertical Accuracy: 1m LE90%



*Digital Terrain Model*  
Resolution: 5m  
Vertical Accuracy: 1m LE90%



*Orthorectified Radar Image*  
Resolution: 1.25m  
Horizontal Accuracy: 4m CE90%

## NEXTMAP ACCURACY SPECIFICATIONS

### United States (including parts of Alaska), Western Europe, Malaysia, and parts of Australia

DATA TYPE	RESOLUTION	ACCURACY	COVERAGE AREA
DSM, DTM	5m	< 1m LE90% (vertical)	40%
		1–3m LE90% (vertical)	40%
		> 3m LE90% (vertical)	20%
ORI	.625m	3m CE90% (horizontal)	4%
	1.25m	4m CE90% (horizontal)	94%
	2.50m	5m CE90% (horizontal)	2%

### Indonesia, Puerto Rico, Jamaica, Solomon Islands, Vanuatu

DATA TYPE	RESOLUTION	ACCURACY	COVERAGE AREA
DSM, DTM	5m	< 3m LE90% (vertical)	40%
		3–5m LE90% (vertical)	40%
		> 5m LE90% (vertical)	20%
ORI	1.25m	4m CE90% (horizontal)	90%
	2.50m	5m CE90% (horizontal)	10%

### World

DATA TYPE	RESOLUTION	ACCURACY	COVERAGE AREA
DSM	30m	16m LE90% (vertical)	United States
	90m	20m LE90% (vertical)	Rest of the world

## INSTANT ACCESS VIA WEB SERVICES

Our web services enable you to immediately access NEXTMap products for your area of interest. Since the data is hosted and stored in the cloud, costs and resources associated with storing and managing large datasets locally can be reduced. Our NEXTMap database is updated twice a year to integrate newly available, best-of-breed elevation data – providing you with the most current data available. In addition, we offer NEXTMap-based online tools that allow users to perform simple analyses from any web browser and make better terrain-based decisions without the need for any GIS software. Our NEXTMap products are available via our web services as a one-time purchase or a variety of subscription plans – helping you to save time and money. Intermap's web services enable you to easily subscribe and access the data you need, when you need it.

## LEARN MORE

For more information about how you can benefit from Intermap's NEXTMap products for your geospatial needs, please contact your Intermap representative or an Intermap Business partner.



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