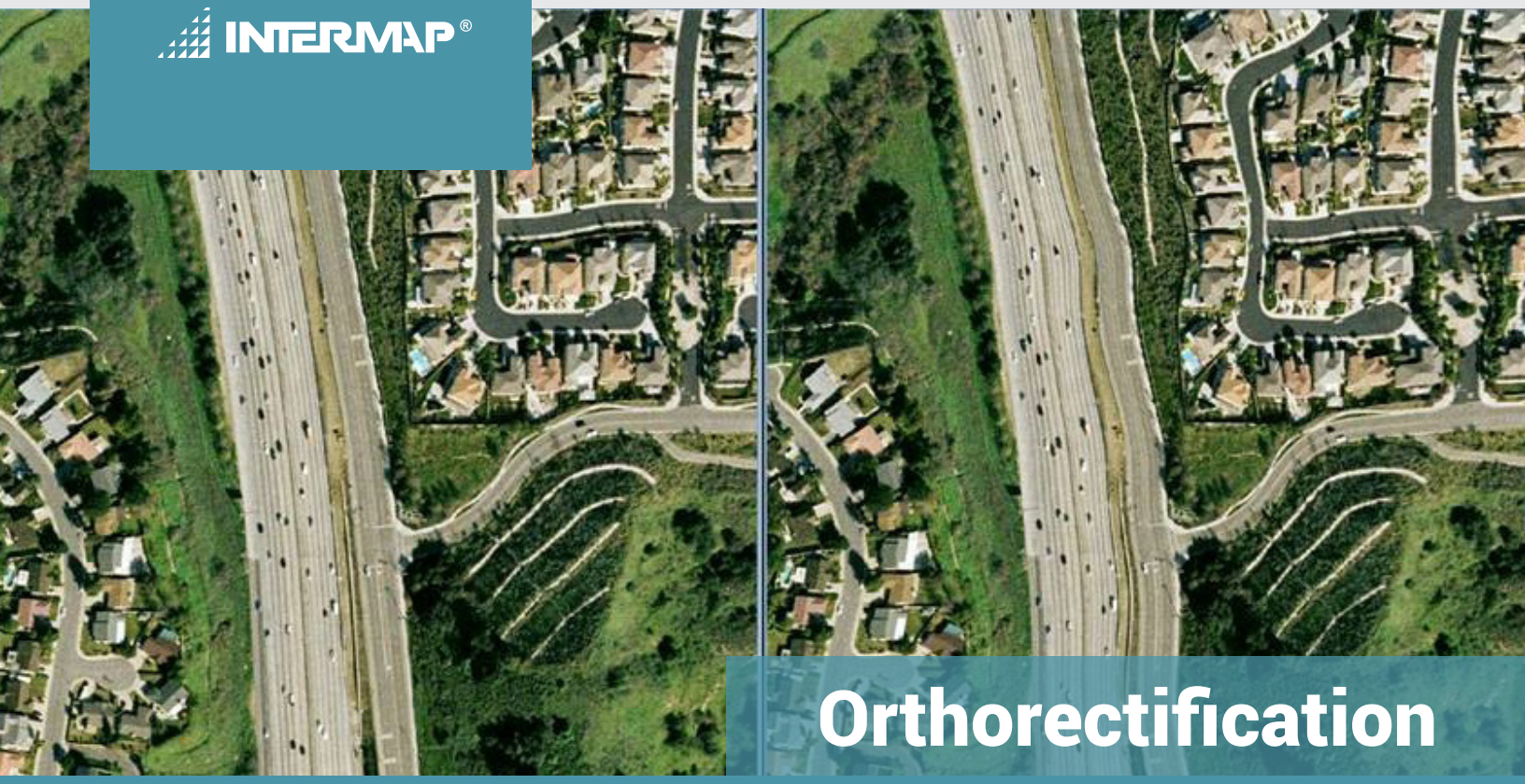


Orthorectification

Geometrically Correct Imagery

Using Intermap's Orthorectification services, customers can get consistent geolocation regardless of image source. This allows for direct comparison of multiple vendors' data without the need of user intervention. Orthorectification geometrically corrects distortions in any remotely sensed imagery that are caused by terrain relief displacement, sensor system errors, viewing perspective, and atmosphere refraction. This is especially important to achieve maximum benefit from the most recent advanced high-resolution optical and radar satellite imagery. Traditional ortho-rectification involves the use of stereo pairs which can result in significant cost and delivery schedule impacts. Intermap's high accuracy Digital Elevation Model (DEM) derived from all-weather IFSAR is essential to saving cost and time by performing orthorectification on single non-stereo images.

Key Benefits and Features

Seamless Orthorectified Imagery
Homogeneous NEXTMap data provides the ultimate base layer for seamless orthorectification across entire regions.

Highly Accurate Imagery
Benefit from highly accurate image orthorectification using Intermap digital elevation data.

Geometrically Correct Imagery
Intermap's Orthorectification service geometrically corrects distortions in any remotely sensed imagery.

Cost-Effective Solution
Optimize your project budget by leveraging Intermap's non-stereo orthorectification services.

Built on the NEXTMap Foundation

Orthorectifcation of any remotely sensed imagery is based on our highly accurate NEXTMap elevation models.

Wide Area Mapping Through Seamless Geometrically Correct Imagery

Intermap's Orthorectification service provides geometrically correct imagery that is perfectly registered pixel for pixel. Since the corrected imagery is free from terrain relief displacement and sensor system errors it allows customers to focus on utilizing the product for all levels of mapping including accurate feature collection.

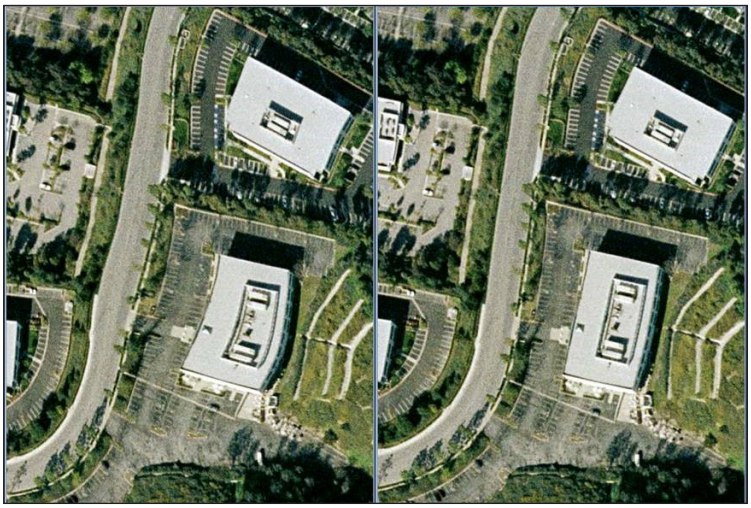
Effective Use of Project Costs

Intermap has long been providing unique mapping services around the world utilizing all relevant remote sensing technologies. Our orthorectification approach leverages cloud-free airborne IFSAR to geometrically correct non-stereo optical and satellite based imagery in a cost-effective way.

Specifications

Item	Specification
Input Format	Raster imagery
Input Projection	Any projection and datum
Input Data Type	Any optical or IFSAR imagery
Output Data	Orthorectified imagery

** Airborne or Spaceborne*



Intermap's Orthorectification engine used to geometrically correct sensor distortions in airborne and satellite derived imagery. Comparison in Orange County, CA, using the USGS NED data (left) and Intermap's high-accuracy DEM (right)

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