



Geospatial Intelligence: Understanding the World in 3D

May 2024



The Power of 3D



Intermap Technologies is a geospatial intelligence provider, producing 3D digital representations of Earth's surface and the features on it

A detailed 3D digital representation of a city skyline. The buildings are rendered in various colors, including shades of green, yellow, orange, and red, against a dark blue background. The perspective is from an elevated angle, showing the density and height of the urban environment.

3D solutions offer critical situational awareness, such as the location and height of buildings

Precision Solutions for Non-Expert Users



Customers subscribe to recurring services that offer precision solutions for non-expert users

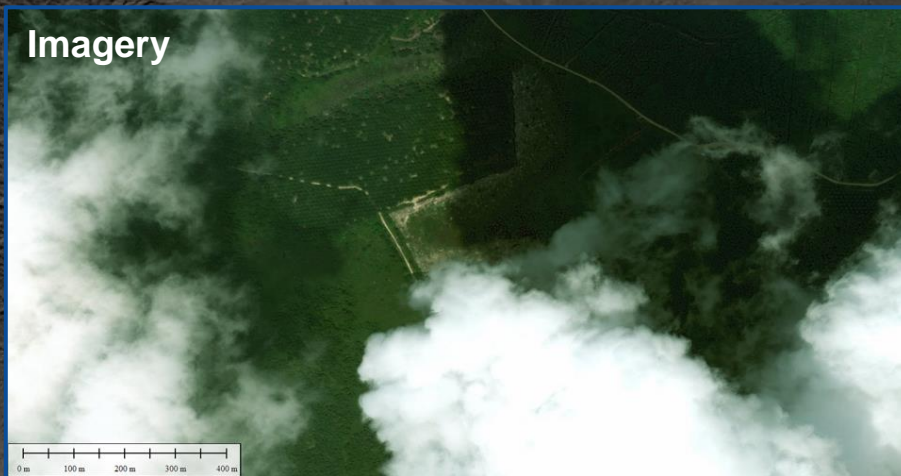
- Governments rely on Intermap for national mapping programs and new technology
- Commercial applications include insurance, aviation, telecom, energy, climate resilience and space

Founded in 1997, headquartered near the U.S. Air Force base in Denver, with engineering in Calgary, software development in Prague and data production in Jakarta, Intermap experience includes 61 countries

Intermap creates countrywide maps to support government policy, resource management, disaster preparedness and land use planning

Many governments rely on Intermap's IFSAR remote sensing technology to map large areas

- Areas with rugged, mountainous terrain and dense jungles or persistent cloud cover, smoke, smog, fog and haze make it challenging for satellites to collect images and terrain information
- Intermap's unique sensors send signals through clouds, smoke, rain and foliage to map the terrain

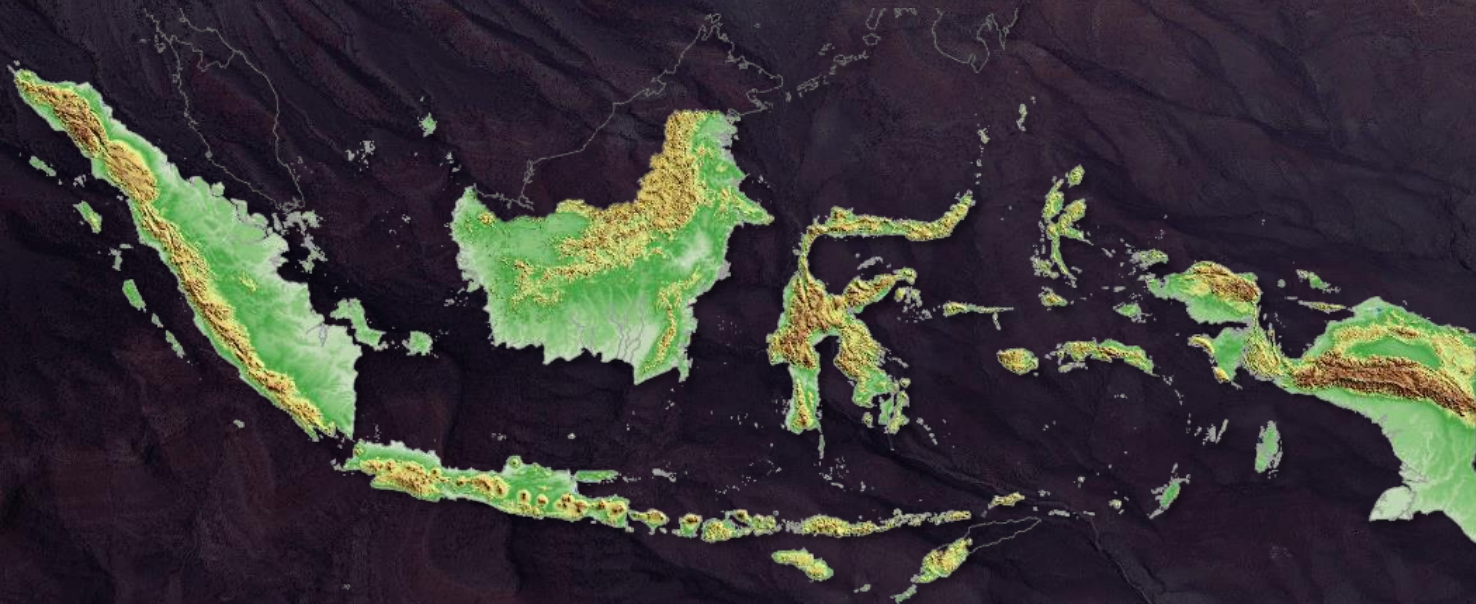


Indonesian One Map Program



In January 2024, Intermap won a \$20 million contract to map the Island of Sulawesi, Indonesia. The contract is the first phase of the Indonesian national topographic basemap program to create a national digital basemap as part of the One Map program

This first phase represents 10% of the country's land area and 10% of the One Map program. Follow-on work is expected over the subsequent four years to complete the remaining 90% of Indonesia's land area, supporting the country's national infrastructure program and long-term development. Learn more [here](#)



Supporting Governments Around the World



Malaysian Government

Building countrywide basemaps for Malaysia's federal mapping agency

Colombian National Mapping Agency

Providing elevation data for land management and territorial planning

U.S. Geological Survey Alaska Program

Supporting natural resource development, environmental monitoring, climate resilience, infrastructure development and national security

National Geospatial-Intelligence Agency (NGA)

- Working with NGA on global mapping programs and geospatial analysis

U.S. Air Force

- Teaming on the \$950m Advanced Battle Management System contract for geospatial navigation system R&D

Navigating in Challenging Environments



Working with the U.S. Air Force Research Laboratory to develop navigation systems that operate without GPS



Increasing satellite imagery accuracy, enabling measurement of area and distance on the ground

Measuring radar signal speed with patent-pending technology to enhance storm and ocean monitoring



Commercial Application Subscriptions



Software and analytics provide key insights in a variety of industries, including telecom, climate resilience and renewable energy

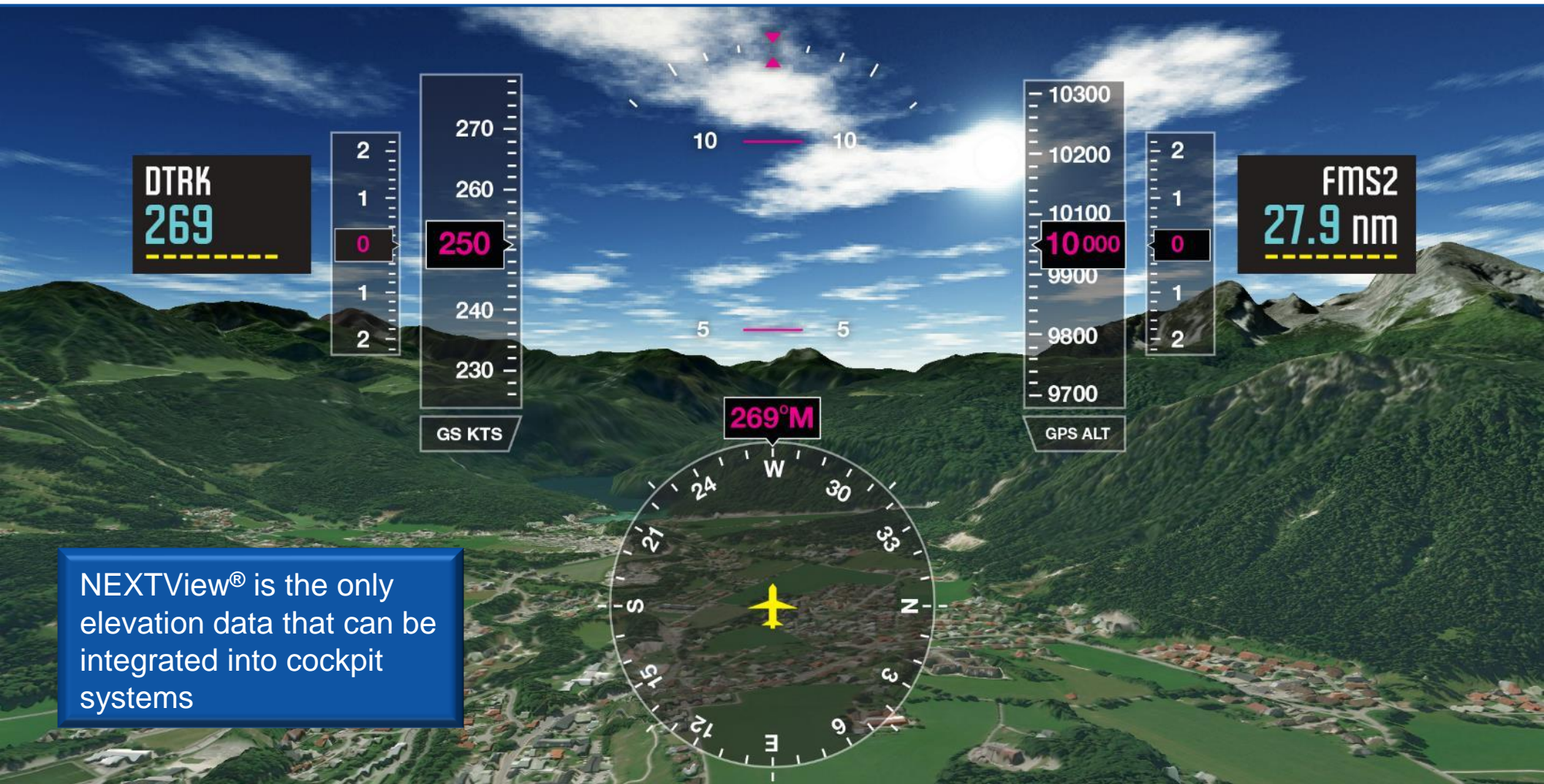
– Powers the Garmin Golf™ application, covering 42,000 golf courses around the world



Boosting Flight Safety



With its partner Lufthansa Systems, Intermap created the world's first and only elevation dataset certified for aviation



NEXTView® is the only elevation data that can be integrated into cockpit systems

Saving Lives: Blackrock Island, Ireland

During a mission in 2017, a rescue helicopter struck an island that wasn't in the onboard terrain warning database

Data onboard the helicopter

NEXTView shows more than a 50-meter difference compared with the data on the helicopter

NEXTView

Powering Urban Air Mobility



With its partner Skyroads, Intermap is enabling urban air mobility on future digital roads in the sky

Certified aviation-specific data improves safety and efficiency of drone navigation, enabling autonomous flights above cities



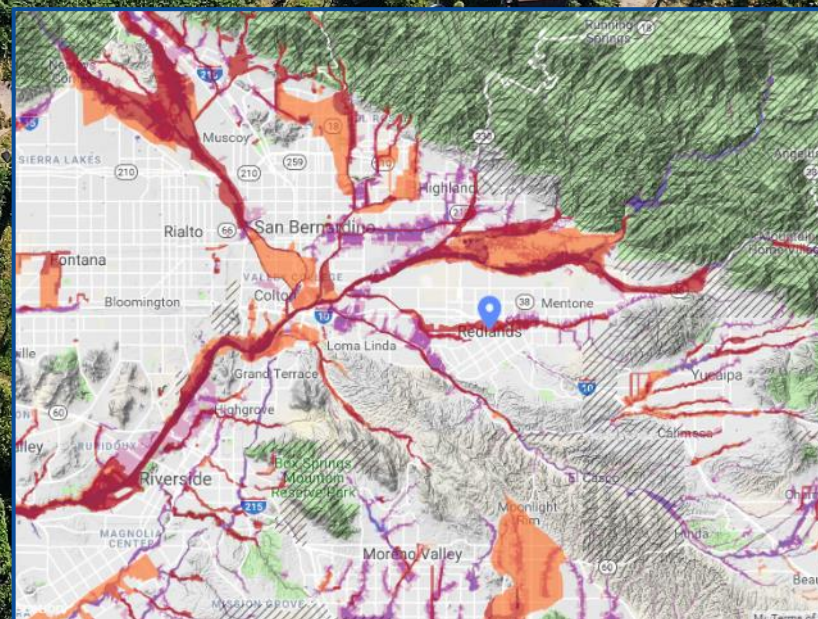
Global Risk Assessment Solutions



Intermap delivers global precision solutions for flood, wildfire and other natural hazard risk assessment, combining advanced models, maps and analytics

Cloud-based software provides location-specific information to mitigate losses from natural disasters and determine a property's correct level of insurance

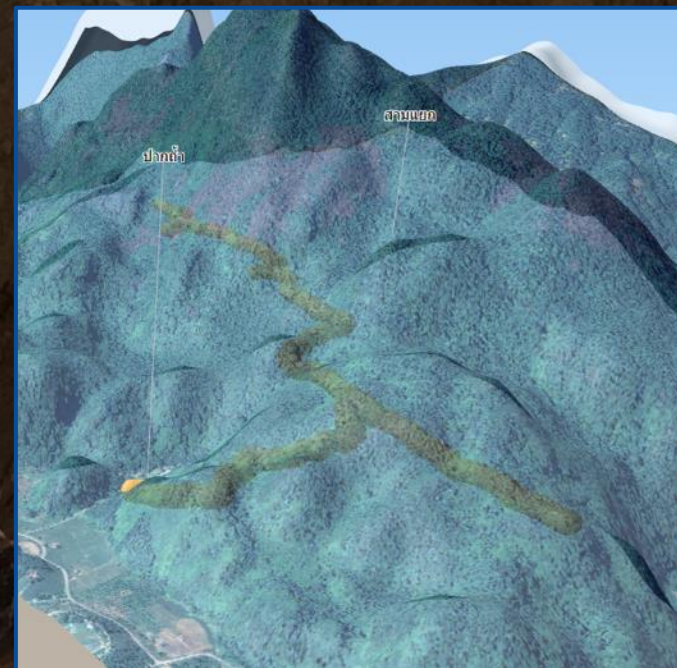
- U.S. customers include multiple top-10 property and casualty insurers
- European customers include Generali, Allianz and Deloitte



Enabling Urgent, Critical Missions



In 2018, Intermap supported emergency rescue planning in Chiang Rai, Thailand by quickly creating a precise 3D model of the cave



Enabled logistics

- Shaft drill locations
- Pumping water out and air in; providing supplies
- Water management during rains that could flood the cave and endanger the rescue

Video: Data from half a world away helps rescue stranded Thai football team

Source: National Geographic

Mapping the World in 3D

Intermap is planning and preparing to deploy on multiple national government programs



Geospatial Intelligence at Mission Speed



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