IDSurvey Geospatial Services

IDSurvey, through PT BKI, supports national geospatial development with integrated basemap and satellite-imagery solutions for government, industry, and public services.

Basemap Services

National Basemap Management
Continuous operation, maintenance, and updating of BIG's national basemap.

Large-Scale Basemap (1:1,000)
High-resolution basemaps for priority areas and major cities.

Cloud-Based Basemap Platform
Centralized system for managing, distributing, and updating national basemap data.

Commercial Rights for IGD (Indonesia Geospatial Data)
Authorized commercial use of Indonesia's Geospatial Basemap to support sustainable business operations.

Map Production Center (MPC)

Facility rental for ILASP (Integrated Land Administration and Spatial Planning Project) basemap production.

Multi-cloud system for efficient basemap data processing (B2B scheme).

Thematic Map Solutions

Customized thematic maps for:

- Urban planning
- Infrastructure
- Utilities
- Transportation
- Environment
- Disaster management

IDSurvey Satellite Imagery Solutions

- Imagery Acquisition
- Multi-Temporal Monitoring
- Scheduled imagery
- Image Processing

Geo-Analytics

- Land use/cover mapping
- Disaster impact analysis
- Urban growth monitoring

Thematic Maps from Imagery

Raster-based thematic maps integrated with basemap layers for planning and policy needs.

Get in Touch with Us

0811 1612 1612
corsec@idsurvey.co.id

Danantara Indonesia
IDSurvey

Geospatial

Securing Spatial Data In The Production Of Base Maps

IDSurvey
idsurvey.id

Strategic Future : Geospatial & Digital Transformation

Refining Geospatial

We are digitizing the future of assurance.
By collaborating with the Geospatial Information Agency (BIG), we provide the fundamental data layer necessary for smart cities, infrastructure development, and precision investment planning.

The Importance of Data Security in the National Project for Large-Scale Base Map Provision

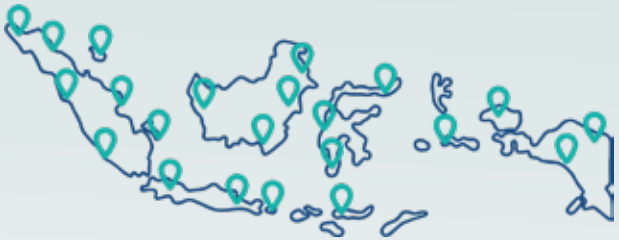
The provision of Large-Scale Base Maps (1:5,000) has been designated as one of the National Strategic Project (PSN) priorities under the 2025–2029 RPJMN through Presidential Regulation No. 12 of 2025.

For 2025, the Geospatial Information Agency (BIG) is focusing on planning and preparing for project implementation to cover all regions of Indonesia.

Evaluation results from previous base-map production activities in the Sulawesi region revealed various vulnerabilities in spatial data security.

The production process, which has been carried out in a distributed manner at multiple contractor sites across the country, increases the risk of data leakage.

Findings include weaknesses in access control systems, inadequate audit trails, limited digital forensic capabilities, lack of disaster recovery plans, and insufficient contractor integrity.



Key Benefits of Geospatial Technology for Mining and National Defense

Mining & Mineral Sector

- Maps mineral potential.
- Monitors mining areas over time.
- Assesses environmental impacts.
- Clarifies and manages mining boundary areas.

National Defense

- Provides accurate base maps for defense strategy.
- Monitors border areas using satellite imagery.
- Supports early detection of potential threats.
- Assists in planning operations and troop mobilization.

As strategic data, base maps and geospatial information serve as a critical foundation for development planning, spatial governance, public policy, disaster mitigation, defense and security, and national sovereignty.

To ensure accuracy and reliability, strong data security and information protection systems are essential.

BIG's Strategic Steps in Strengthening Geospatial Data Security

Advancements in information and communication technology have driven geospatial data management to shift from closed systems to open, network-based and cloud-computing environments.

While this creates opportunities for efficient production and data distribution, it also increases the risks of data leaks, theft, and misuse.

As the provider of Indonesia's Geospatial Information, BIG is committed to ensuring geospatial data is managed in an orderly, secure manner and meets interoperability standards.

Through PT BKI Danantara Indonesia (formerly PT BKI Persero), BIG is developing an integrated production facility known as the Map Production Center (MPC), equipped with the Map Production System (MPS), data centers, and supporting workspaces for data processing, production, and national geospatial services.