

COMPANY PROFILE

PT TELLUS MERIDIAN SURVEY



- m www.tellusmeridian.id
- (indonesia) Komplek DPRD/Baitussalam no.58B, Ciwastra. Bandung Indonesia
- Geodesy/Geomatics Survey
 - Topographic Survey
 - Photogrammetry & LiDAR Survey
 - Spatial Data Processing (GIS)
 - Hydrographic Survey
- Geotechnical Survey
- Geophysical Survey



ABOUT US

PT. Tellus Meridian Survey (TMS) is a provider of geodesy/geomatics, geotechnical, and geophysical survey services that support various industrial needs, infrastructure projects, and research. We offer topographic surveys, GNSS-based mapping, hydrographic surveys, drone mapping (aerial photography and LiDAR), spatial data analysis and visualization (GIS), as well as comprehensive geotechnical and geophysical investigations.

By prioritizing professionalism, innovation, and data reliability, TMS ensures that every project is executed with precision, adheres to the highest ethical standards, and leverages the latest technology. Our experienced team is committed to being a trusted partner by emphasizing safety, collaboration, and service excellence.





VISION

"To become a leading company in geodesy/geomatics, geotechnical, and geophysical surveying by delivering excellent services tailored to meet the needs of our clients."

MISION

- O1 Creating a positive work environment by upholding professionalism and strong work ethics.
- O2 Continuously innovating by utilizing the latest technology.
- Providing fast, accurate, and reliable survey data to meet the needs of various industries.
- **04** Building long-term partnerships through highquality services that prioritize teamwork and safety.



OUR VALUES



Providing accurate and reliable data.



Integrity & Trust Maintaining transparency to foster strong and lasting relationships with clients.



Supported by experienced professionals in the field of surveying and mapping.



Providing data-driven solutions tailored to clients' needs.





Take full responsibility for every decision and action in the project.



People Development Prioritizing the development of competencies and the well-being of team members.

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EXPERTISE

PT. Tellus Meridian Survey provides a wide range of surveying and mapping services, with a primary focus on high-quality and accurate measurements. Supported by the latest technology and methodologies, we are committed to delivering reliable and precise results. Below are the services we offer:

- **1** Geodesy/Geomatics Survey
 - Topographic Survey
 - Photogrammetry & LiDAR Survey
 - Spatial Data Processing (GIS)
 - Hydrographic Survey
- 2 Geotechnical Survey
- **3** Geophysical Survey



1. GEODESY/GEOMATICS SURVEY

A. Topographic Survey

We provide mapping services that include various survey methods to support infrastructure, land management, and spatial planning.

Measurement and Control Point Determination

Using GNSS technology to ensure survey and planning accuracy.

Digital Modeling

Creating Digital Terrain Models (DTM) and Digital Elevation Models (DEM) for elevation analysis and terrain feature assessment.

Mapping and Infrastructure Identification

Conducting infrastructure surveys of roads, buildings, and pipelines for planning and management.

Land Boundary Survey and Cadastral Mapping

Defining land boundaries for legal purposes and spatial planning.

Land Surface Change Monitoring







B. Photogrammetry & LiDAR Survey

Leveraging drone and LiDAR technology, we provide fast, accurate, and detailed data collection, enabling enhanced analysis and planning.

UAV/Drone Photogrammetry

Spatial data acquisition using aerial imagery from drones to generate orthophotos, digital surface models (DSM), and 3D models.

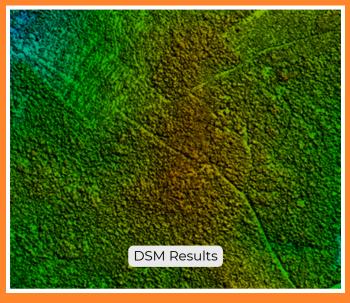
LiDAR Mapping

Leveraging Light Detection and Ranging (LiDAR) technology to produce detailed and accurate models of the Earth's surface.

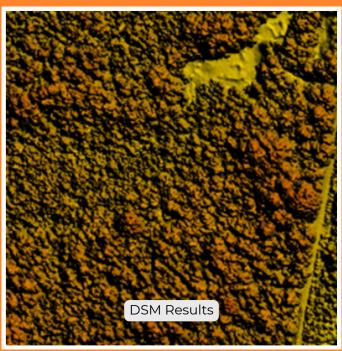


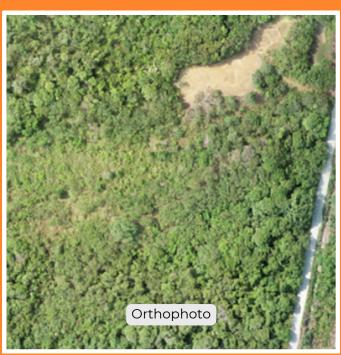


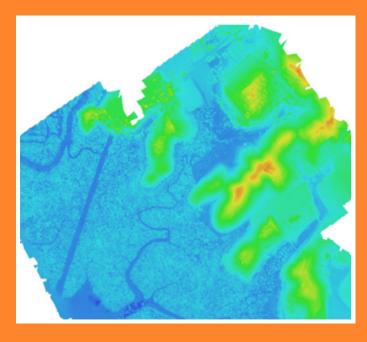
















C. Spatial Data Processing (GIS)

Spatial data processing services using Geographic Information Systems (GIS) for various industrial applications and planning needs. Our services include:

Geospatial Data Management and Analysis

Management and analysis of spatial data to support location-based decision-making.

GIS Data Processing and Integration

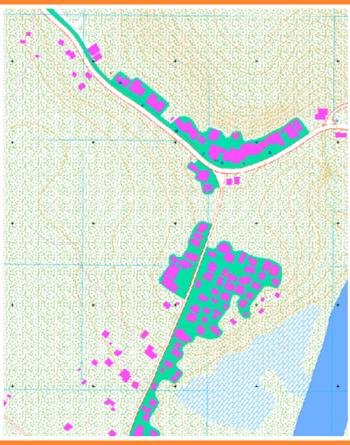
Compilation, standardization, and integration of geospatial data from various sources for thematic mapping purposes.

Spatial Data Visualization and Presentation

Creation of digital maps, 3D models, and interactive dashboards to support various industrial and academic needs.

With advancements in GIS technology across various fields, GIS has become an excellent tool for fast and effective policy decision-making.







D. Hydrographic Survey

We provide hydrographic survey services for bathymetric mapping, current measurements, and underwater object detection to support marine projects, offshore infrastructure, and aquatic environmental management.

Bathymetric Survey

Utilizing Singlebeam and Multibeam Echosounders to acquire high-precision bathymetric data.

Sub-Bottom Profiling

Identifying the characteristics of the sub-seafloor layers.

Magnetic Survey

Detecting underwater magnetic anomalies, which are often used in archaeological exploration and underwater object searches.

Seafloor Sensing

Seafloor sensing and underwater structure imaging using Side Scan Sonar.

Ocean Current Measurement

Using an Acoustic Doppler Current Profiler (ADCP) to analyze water movement patterns.

Tide Observation and Analysis

Determining sea surface height reference as a baseline for marine surveys.











2. GEOTECHNICAL SURVEY

We provide geotechnical survey services to analyze soil and rock characteristics in support of planning and executing construction, infrastructure, and natural resource exploration projects.

Soil Investigation

Analyzing soil bearing capacity and characteristics for construction and infrastructure needs.

Drilling

Collecting soil and rock samples to understand subsurface geological conditions.

Dynamic Cone Penetration Test (DCPT)

Evaluating soil density and consistency using the dynamic penetration method.

Test Pit

Excavating soil to directly observe soil layers, collect samples, and conduct technical soil parameter testing.

Groundwater Level Monitoring

Conducting measurements and monitoring groundwater level fluctuations to understand hydrogeological characteristics affecting soil and building stability.







3. GEOPHYSICAL SURVEY

We provide geophysical survey services to understand subsurface soil and rock characteristics, supporting infrastructure planning, natural resource exploration, and disaster mitigation.

Ground Penetrating Radar (GPR)

Utilizing electromagnetic waves to detect underground objects and map shallow subsurface layers.

Survey Resistivity

Subsurface layer mapping to identify potential groundwater zones based on electrical resistivity variations.

Survey Gradiomagnetik or Magnetic Locator

Analyzing magnetic anomalies to detect subsurface structures, pipelines, and underground cables.







KEY PERSONEL



IMAM SATRIA YUDHA, ST. MT

A Bachelor's and Master's degree in Geomatics Engineering from ITS, with extensive experience in topographic, hydrographic, and mapping surveys. Skilled in GNSS data processing, photogrammetry, and terrestrial surveys. Experienced in project management, ensuring data accuracy, and executing operations efficiently while adhering to technical standards.



CHAIRUL ANAM, ST.

A Bachelor's degree holder in Ocean Engineering from ITS with experience in tide, current, and wave measurements. Skilled in hydrographic surveys, bathymetric mapping, as well as marine data processing and analysis.



BARKEN ADIKA CANDRA, ST. MT.

A Bachelor's degree in Geodetic Engineering (2001) and a Master's degree in Applied Geophysics (2005) from ITB, with over 20 years of experience in the oil and gas industry, both onshore and offshore. Skilled in geospatial, hydrographic, and geophysical surveys, with expertise in data quality control (QC), project management, and team coordination across various national and international projects.



HERI KOSWARA A.Md

A Diploma in Geodetic Engineering from UNWIM with over 20 years of experience in terrestrial and hydrographic surveys. Skilled in various survey methods, including topographic surveys, aerial photogrammetry, and bathymetric surveys.



CAHYO KURNIADI, ST.

A Bachelor's degree holder in Geodetic Engineering from ITB with over 20 years of experience in the oil and gas industry, as well as in terrestrial and GNSS surveys. Skilled in geospatial mapping, survey data analysis, and the implementation of GNSS technology for various industrial applications.



WIRYO FEBDILA, S.KOM.

A Bachelor's degree holder in Informatics Engineering from ITS with experience in survey and mapping project management. Skilled in field supervision, data analysis, and team coordination for Cadastral, Topographic, and UAV projects.



SUPPORTING EQUIPMENT

- One (1) unit of GNSS Positioning System Magellan Japan System RT-PPP.
- One (1) unit of Nimbus 1800 Unmanned Aerial Vehicle (UAV) with Vertical Take-Off and Landing (VTOL) capability.
- DJI Matrice 350 drone with DJI Zenmuse L1 LiDAR sensor
- DJI Drone Mavic 3 Enterprise.
- Five (5) units of GNSS Trimble R4 Dual Frequency.
- Ten (10) units of GNSS Real-Time Kinematic Dual Frequency.
- Four (4) units of Electronic Total Station.
- One (1) unit of Multibeam Echo Sounder WASSP S3.
- One (1) unit of EIVA NaviSuite Kuda dongle.
- Two (2) units of Single Beam Echo Sounder, Teledyne Odom Echotrac E20.
- One (1) unit of Valeport Tide Master..
- One (1) unit of Automatic Level Sokkia B40.
- Four (4) units of GNSS Handheld Garmin GPSMAP 64s.







EXPERIENCE

2024

- Topographic Survey Service Work for Well Pad Locations, Road Access Using the Lidar Method and Bench Mark Installation, PT. Sele Raya Belida, November 2024.
- The Topographical Survey and UAV Photogrammetric Survey EDF R Timor Leste, PT. SGS Indonesia, November 2024.
- Procurement of Basic Geospatial Data and Indonesian Topographic Map (RBI) Elements for Marine and Coastal Areas at a Scale of 1:5,000 Using the Singlebeam Echosounder Bathymetric Survey Method in the Forest Area, Package 4 (Kaltara), Directorate of Topographic Mapping of Sea and Coastal Areas, Geospatial Information Agency, March 2024.
- Service Personnel & Survey Equipment at Cilacap PT Mahakarya Geo Survey, March 2024.
- Service Personnel & Survey Equipment at Kuningan PT Mahakarya Geo Survey, January 2024.

2023

- Topographic survey using LiDAR on site PT. Indocement Tunggal Perkasa Tarjun, PT SGS Indonesia, August 2023.
- Riverbed Mapping Work of Muara Sebangau and Muara Sungai Jeruju PT. Suryamas Cipta Perkasa, July 2023.
- Jumbang Bathymetry using SBES and SBP, PT Arutmin Indonesia, June 2023.
- Topographic Survey for Onshore Project Location in Cilegon, PT Bintang Subsea Indonesia, March 2023.
- Service Personnel & Survey Equipment at Perkalongan PT Mahakarya Geo Survey, February 2023
- Service Personnel & Survey Equipment at Tasikmalaya PT Mahakarya Geo Survey, February 2023.
- Service Personnel & Survey Equipment at Cilacap PT Mahakarya Geo Survey, February 2023.

2022

- GPS/GNSS Survey and Inspection Shell Gresik, East Java, PT. Cipta Revorma Bersama, December 2022.
- Topograhpic Survey and Photogrammetric Survey work at the Sancang Windfarm Project, PT SGS Indonesia, December 2022.
- Topography survey work, Tuban, East Java, PT Teknotama Lingkungan Internusa, September 2022.
- Service Personnel & Survey Equipment at Kabupaten Sumedang, Pekalongan and Kotawaringin Barat 2022, PT Mahakarya Geo Survey, August 2022.
- Topographic survey within BMH Jakarta Landing for Bifrost Inshore Cable Route Survey Manado, North Sulawesi, PT. Bintang Subsea Indonesia, May 2022.
- Aerial Photo, Drone Video and LiDAR measurement work on Package 4 of the Pematang Siantar
 Parapat Toll Road construction, PT Yodya Karya, January 2022.



2021

- Topographic Survey at BMH Jakarta Landing for the Bifrost Inshore Cable Route Survey, Pantai Mutiara, Jakarta, PT. Bintang Subsea Indonesia, December 2021.
- Procurement of Data Input, Modeling, and Testing Services for the Ground Subsidence
 Monitoring Well Database System, FITB Bandung Institute of Technology, November 2021.
- Topographic Survey within PT PetrotecGuna Perkasa site, Buru Island Maluku, September 2021.
- Onshore and Tide Zone Geophysical Survey at the Onshore Receiving Facilities (ORF) Petronas in Kawasan Industri Maspion Gresik for PT Offshore Works Indonesia – Petronas Carigali Ketapang II Ltd., August 2021.
- Bathymetric Survey within KUD Void within PT Arutmin Indonesia Site, June 2021.
- Topographic Survey within PT Petrotec Guna Perkasa site, Bitung North Sulawesi, May 2021.
- Topographic Survey within IUP of PT Gamindra Mitra Kesuma in Pasaman West Sumatra, March 2021.

2020

- Quality Inspection Activities for Land Surveying and Mapping Work for Complete Systematic Land Registration 2020 Package 1 Pamekasan Regency Land Office, June 2020.
- Procurement of Land Surveying Services for Revitalization of Ganesha Area Bandung Institute of Technology, June 2020.
- Measurement, Mapping and Land Survey Information for Complete Systematic Land Registration for South Konawe Regency 2020, South Konawe Land Office (BPN), March 2020.
- Measurement, Mapping and Land Survey Information for Complete Systematic Land Registration for North Gorontalo Regency (Package II) in 2020, North Gorontalo Land Office (BPN), February 2020.
- Measurement, Mapping and Land Survey Information for Complete Systematic Land Registration for West Bandung Regency (Package II) in 2020, West Bandung Regency Land Office (BPN), January 2020.
- Measurement, Mapping and Land Survey Information for Complete Systematic Land Registration Kapuas Hulu Regency 2020, Kapuas Hulu Land Office (BPN), January 2020.

2019

- Topographic Survey, LiDAR, UAV and Reclamation Monitoring Services at PT Lotte Chemical Indonesia, Cilegon, PT Seven Gates Indonesia, November 2019.
- Bathymetric Survey as a Series of Seismic Pre-Surveys of the Transition Zone in the Gebang Block, Energy Megah Persada (Gebang) Ltd., August 2019.
- Measurement, Mapping and Land Area Information for Complete Systematic Land Registration in South Jakarta City (Package I) in 2019, South Jakarta City Land Office (BPN), May 2019.



2018

- Marine Cable Route Survey, Sea Cable Communication System Capital District (SKKL IKK)
 Tarjun to Stagen, Kotabaru South Kalimantan, PT Tri Mitra Resources October 2018 PT Telkom
 Infra PT Telkom Indonesia, November 2018.
- Multibeam Data Acquisition Training, Geospatial Information Agency, November 2018.
- Making of RI-RDTL Border Corridor Map, Geospatial Information Agency, June 2018.
- Complete Systematic Land Mapping and Measurement Package 1 South Tangerang City, Land Office (BPN), April 2018.
- Hydographic Survey and Coastline Survey of Malahayati Connectivity, Belawan, Jambi and Palembang, Geospatial Information Agency, March 2018.
- Gyro Calibration and DGPS Verification on Nostag 10 Barge Ambon, PT Maritel Bahtera Abadi -TAGU Offshore, February 2018.

2017

 Topographic Survey of the Airport Access Road in Kertajati, Majalengka - West Java, Directorate General of Highways, November 2017.

2016

- Bathymetry Survey for Reclamation work in Makasar, PT Hydrocore PT Boskalis International Indonesia, April 2016.
- Onshore Mapping Service and Soil Investigation for Bunyu OPF, Bunyu Oil Terminal, and Onshore Proposed Pipeline Route, Bunyu - North Kalimantan, PT Offshore Works Indonesia - PT Pertamina Hulu Energi Nunukan Company (PHENC), April 2016.

2015

- Onshore Survey Service for Proposed Lengo WHP to ORF Pipeline route second campaign, Kawasan Industri Tuban, Tanjung Awar-awar Tuban, PT Offshore Works Indonesia Kris Energy (Satria) Ltd., November 2015.
- Onshore Survey Service for Proposed Lengo WHP to ORF Pipeline route first campaign, Kawasan Industri Tuban, Tanjung Awar-awar - Tuban, PT Offshore Works Indonesia - Kris Energy (Satria) Ltd., May 2015.
- Topography Survey within Proposed Electrical Transmission Line along Ulubelu Unit 3 and 4 Geothermal Power Plan, Ulubelu – Lampung, PT Jaya Cipta Kencana - PT Siemens Indonesia, March 2015.

Our Clients













































THANK YOU

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