digivla
INSIGHTFULLY IMPACTFUL

JOB VACANCY

PT Digivla Indonesia, in partnership with BeiDou, is enhancing geospatial intelligence by integrating high-accuracy satellite navigation for advanced analytics. We are currently hiring for multiple positions to support our geospatial and AI-driven initiatives.

Join our team and be part of pioneering advancements in geospatial technology and satellite imaging!

1. Survey Engineer

Role & Responsibilities:

- Lead the **Ground Control Point (GCP) setup**, including marker installation, GNSS positioning (RTK/DGPS), and field data collection.
- Ensure **survey accuracy** and compliance with project standards.
- Supervise and coordinate **field survey teams** for efficient data acquisition.
- Collaborate with GIS and remote sensing teams for **data integration** into mapping workflows.

Requirements:

- **Bachelor's (S1) / Applied Bachelor's (D4)** in Geodetic Engineering or a related field.
- **1–3 years** of field survey experience, including RTK setup and operation.
- Strong understanding of **geodetic principles, coordinate systems, and GNSS processing**.
- Leadership skills in managing and guiding **survey teams**.
- Ability to work in **challenging environments** and willingness to travel to remote areas in Indonesia for field assignments.

2. Field Data Collection Engineer

Role & Responsibilities:

- Lead **field data collection**, including ground truthing, toponym verification, and attribute data recording.
- Utilize **mobile applications** and digital tools for **data collection and validation**.
- Ensure **data accuracy and consistency** with project standards.
- Supervise and coordinate **field survey teams**.
- Collaborate with GIS and remote sensing teams to **integrate field data** into mapping workflows.

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PRODUCTION : JL. CIKATOMAS I NO. 19 RAWA BARAT KEBAYORAN BARU JAKARTA 12180 TEL. +62 21 2751 5830 info@digivla.id

Requirements:

- **Bachelor's (S1) / Applied Bachelor's (D4)** in Geodetic Engineering or Geography.
- **1–3 years** of field survey experience, preferably in **ground truthing and spatial data validation**.
- Proficiency in **GIS software (e.g., QGIS, ArcGIS)**.
- Familiarity with **mobile apps** for field data collection and synchronization.
- Strong leadership skills in managing **survey teams**.
- Willingness to travel to **remote areas** in Indonesia for extended fieldwork.

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3. Remote Sensing Engineer

Role & Responsibilities:

- Process **SAR and high-resolution satellite imagery** for AI-based **feature extraction**.
- Conduct **preprocessing, filtering, calibration, and classification** of remote sensing data.
- Develop and apply **geospatial algorithms** to enhance image interpretation.
- Work closely with AI engineers and GIS specialists to **optimize data integration**.
- Ensure processed data meets **accuracy and quality standards**.

Requirements:

- **S1 (5+ years) / S2 (2+ years)** in Geodetic Engineering or Geography.
- Proficiency in **SAR data processing** and satellite image analysis.
- Strong knowledge of **remote sensing software (ENVI, SNAP, Google Earth Engine, PCI Geomatica)**.
- Experience in integrating remote sensing data with **AI models** (preferred).
- Willingness to **be stationed in Jakarta** for the project (12 months).

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4. AI Engineer

Role & Responsibilities:

- Develop and maintain **AI models** for automated feature extraction from SAR and satellite imagery.
- Optimize models to extract **buildings, transportation networks, utilities, hydrography, and land cover**.
- Integrate **AI-driven results with GIS workflows**.
- Collaborate with remote sensing and GIS specialists to **refine AI outputs**.

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Requirements:

- **S1 (5+ years) / S2 (2+ years)** in Geodetic Engineering, Geography, or Computer Science.
- Strong proficiency in **AI-driven spatial data processing**, deep learning, and machine learning.
- Experience with **Python, TensorFlow, PyTorch** or similar AI frameworks.
- Proficiency in **GIS and remote sensing software**.
- Familiarity with **SAR data processing** and satellite imagery analysis.
- Willingness to **be stationed in Jakarta** for the project (12 months).

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5. **SAR Data Specialists**

Role & Responsibilities :

- Prepare and preprocess **SAR datasets** for AI-based automated feature extraction.
- Conduct **radiometric and geometric corrections**, noise reduction, and data calibration to ensure high-quality SAR imagery.
- Monitor and verify **AI model performance**, ensuring accurate interpretation of SAR-derived features.
- Collaborate with **AI engineers and remote sensing specialists** to improve data processing workflows.
- Ensure SAR data integration with **GIS and geospatial analysis platforms**.

Requirements:

- **Bachelor's (S1) degree** in **Geodetic Engineering, Geography, or a related field** with at least **5 years** of experience in **remote sensing and AI-based geospatial analysis**, OR
- **Master's (S2) degree** in **Geodetic Engineering, Geography, or a related field** with at least **2 years** of experience in **remote sensing and AI-based geospatial analysis**.
- Strong proficiency in **GIS and remote sensing software**, including **QGIS, ArcGIS, ENVI, and SNAP**.
- **Expertise in SAR data processing**, including interpretation, calibration, filtering, and classification.

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o Familiarity with **high-resolution satellite imagery analysis** and its integration with SAR data.
o **Experience in AI-assisted geospatial analysis** is a plus.
o **Willingness to be stationed in Jakarta** for the project duration (approximately **12 months**).

6. **Feature Extraction Analyst**

Role & Responsibilities :
o Review and validate **AI-extracted geospatial features**, ensuring accuracy and consistency.
o Perform **manual corrections** on **25% of flagged areas**, focusing on **complex terrains** and regions where AI predictions require refinement.
o Analyze and interpret geospatial data to detect **errors, inconsistencies, or misclassifications**.
o Collaborate with **AI engineers and remote sensing specialists** to improve model accuracy and automation processes.
o Maintain **quality control standards** for final geospatial datasets before integration into GIS platforms.

Requirements:
o **Bachelor's (S1) or Applied Bachelor's (D4) degree** in **Geodetic Engineering, Geography, Remote Sensing, or a related field**.
o **1–3 years** of experience in **geospatial feature extraction, remote sensing analysis, or GIS-based data validation**.
o **Proficiency in GIS software** (e.g., QGIS, ArcGIS) and remote sensing tools.
o **Strong attention to detail** in analyzing and correcting AI-generated spatial data.
o **Familiarity with SAR and high-resolution satellite imagery** is a plus.
o **Willingness to work in Jakarta** during the project period (approximately **12 months**).

7. Project Manager

Role & Responsibilities:

- Oversee and manage the execution of the **AI-based geospatial data acquisition project**.
- Coordinate and supervise **survey, field data collection, remote sensing, SAR processing, and AI feature extraction teams**.
- Develop and implement **project timelines, milestones, and resource plans**.
- Ensure compliance with **technical standards, data accuracy, and quality control**.
- Act as the primary contact for stakeholders, including **government agencies and consortium partners**.
- Manage **risk assessment, issue resolution, and project performance**.
- Prepare and present **progress reports and final deliverables**.

Requirements:

- **S1 / S2** in Geodetic Engineering, Geography, Remote Sensing, GIS, or related fields.
- **10+ years of experience** in geospatial projects, remote sensing, or AI-driven feature extraction.
- **5+ years** in a managerial role.
- Strong **project management skills**, including budgeting, resource planning, and risk management.
- Expertise in **GIS, remote sensing, SAR processing, and AI-based geospatial analysis**.
- **Project Management Certification (PMP, PRINCE2)** is a plus.
- **Fluency in Bahasa Indonesia & English**.
- Willingness to **be stationed in Jakarta** for **24–30 months**.

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8. Team Coordinator – Data Acquisition

Role & Responsibilities :

- Coordinate and oversee **data acquisition activities**, including **GCP setup, field data collection, and airborne/satellite data acquisition**.
- Ensure **logistical readiness**, including personnel deployment, equipment availability, and compliance with local regulations.
- Act as a liaison between **survey engineers, field data collectors, airborne operators, and remote sensing teams** to ensure smooth operations.
- Monitor **daily progress, troubleshoot field challenges, and ensure adherence to project timelines**.
- Verify **field data quality** and assist in resolving inconsistencies before data processing.

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o Collaborate with the **Project Manager** to report progress, challenges, and recommendations.

o Ensure **health, safety, and operational best practices** are followed during field activities.

o Support the team in acquiring **necessary permits and licenses** for field operations.

Requirements:

o **Bachelor's (S1) or Applied Bachelor's (D4) degree** in **Geodetic Engineering, Geography, Remote Sensing, or a related field**.

o **5+ years** of experience in **surveying, field data collection, or geospatial data acquisition**.

o Strong understanding of **GNSS positioning (RTK/DGPS), GCP installation, remote sensing, and field survey techniques**.

o Experience in **team coordination and logistics management** for large-scale geospatial projects.

o **Excellent problem-solving skills** to handle unexpected field challenges.

o Strong **communication and leadership skills** to manage field teams effectively.

o **Willingness to travel to remote areas in Indonesia** and oversee data acquisition efforts.

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9. **Team Coordinator – Data Processing (Mapping)**

Role & Responsibilities :

o Oversee and coordinate the **geospatial data processing workflow**, ensuring efficient transformation of raw data into high-quality mapping products.

o Supervise the **processing of SAR and high-resolution satellite imagery**, including radiometric and geometric corrections, mosaicking, and classification.

o Ensure the **AI-based automated feature extraction process** is properly integrated, monitored, and refined.

o Collaborate with **remote sensing engineers, GIS analysts, AI engineers, and quality control teams** to ensure data accuracy and consistency.

o Manage **quality control and validation**, ensuring final outputs meet project specifications and regulatory standards.

o Monitor **progress, troubleshoot processing issues**, and optimize workflows for efficiency.

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o Report regularly to the **Project Manager**, providing updates on progress, challenges, and solutions.
o Maintain documentation of **processing methodologies, metadata, and quality assurance procedures**.

Requirements:

o **Bachelor's (S1) or Master's (S2) degree** in **Geodetic Engineering, Geography, Remote Sensing, or a related field**.
o **5+ years** of experience in **geospatial data processing, remote sensing, and GIS analysis**.
o Expertise in **SAR and optical satellite imagery processing**, including software such as **ENVI, SNAP, PCI Geomatica, QGIS, or ArcGIS**.
o Familiarity with **AI-driven geospatial analysis** and automated feature extraction techniques.
o Strong **understanding of geospatial data standards, quality control methods, and accuracy assessment**.
o Proven **team coordination and leadership skills**, with experience managing technical teams.
o Excellent **problem-solving and workflow optimization abilities**.
o **Willingness to be stationed in Jakarta** during the project period (12-18 months).

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10. GIS Data Operator

Role & Responsibilities:
- Perform **manual editing and correction** of AI-extracted geospatial features.
- Validate and correct **buildings, transportation networks, hydrography, and land cover data**.
- Identify and correct **errors and misclassifications**.
- Utilize **GIS software (ArcGIS, QGIS, or equivalent)** to refine and finalize datasets.
- Collaborate with AI engineers and quality control teams.

Requirements:
- **S1 / D4** in Geography, Geodetic Engineering, or Remote Sensing.
- **1–3 years** of experience in **GIS data processing and spatial analysis**.
- Proficiency in **GIS software (ArcGIS, QGIS, or equivalent)**.

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- Attention to detail and ability to handle **large geospatial datasets**.
- Willingness to **be stationed in Jakarta** for **12–18 months**.

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11. Supervisor – GIS Data Operators

Role & Responsibilities :
- Lead and supervise the **GIS Data Operator team** in performing **manual editing and correction** of AI-extracted geospatial features.
- Oversee the **quality control process**, ensuring accuracy in **buildings, transportation, utilities, hydrography, hypsography, coastlines, and land cover** datasets.
- Assign tasks, **monitor progress**, and provide guidance to GIS Data Operators to improve efficiency and accuracy.
- Collaborate closely with **AI engineers, feature extraction analysts, and quality assurance teams** to refine AI-based feature extraction workflows.
- Review and validate corrections, ensuring compliance with **project specifications and accuracy standards**.
- Identify **common errors and inconsistencies**, providing feedback to optimize AI models and GIS processing workflows.
- Maintain detailed **documentation** of corrections, issues, and quality assurance findings.
- Provide **regular reports** to the **Team Coordinator – Data Processing (Mapping)** on progress, challenges, and recommended improvements.

Requirements:
- **Bachelor's (S1) or Master's (S2) degree** in **Geography, Geodetic Engineering, Remote Sensing, or a related field**.
- **3–5 years** of experience in **GIS data processing, spatial analysis, or geospatial feature extraction**.
- Strong proficiency in **GIS software (ArcGIS, QGIS, or equivalent)** for **vector editing, topology corrections, and quality control**.
- Experience in **leading and supervising teams** in geospatial data processing.
- Strong understanding of **geospatial data accuracy assessment and quality control standards**.
- Familiarity with **AI-assisted geospatial processing** is a plus.

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- o Excellent **problem-solving and workflow optimization skills**.
- o **Willingness to be stationed in Jakarta** during the project period (12-18 months).

This job vacancy provides an exciting opportunity to work with advanced geospatial technologies and AI-driven analytics. If you meet the qualifications and are eager to contribute, we encourage you to apply!

[Your Contact Information]