PT. BUKIT RAYA SEKAWAN

www.br-s.co.id

COMPANY PROFILE 2026

PT. BUKIT RAYA SEKAWAN

ABOUT COMPANY

PT. Bukit Raya Sekawan is a leading consulting company specializing in the mining and infrastructure industry, dedicated to providing innovative and sustainable solutions to clients.

Established in 2016, we have built a solid reputation as a trusted partner in geotechnical projects. Originally established, **PT. Bukit Raya Sekawan** was a geotechnical consulting company. However, we have since evolved to become a full-service consultancy, from early-stage exploration to large-scale mining operations.

Our expertise spans across various minerals and coal, we are committed to delivering high-quality consulting services that enhance the productivity, efficiency, and be the best result solution for a client of the mining sector.

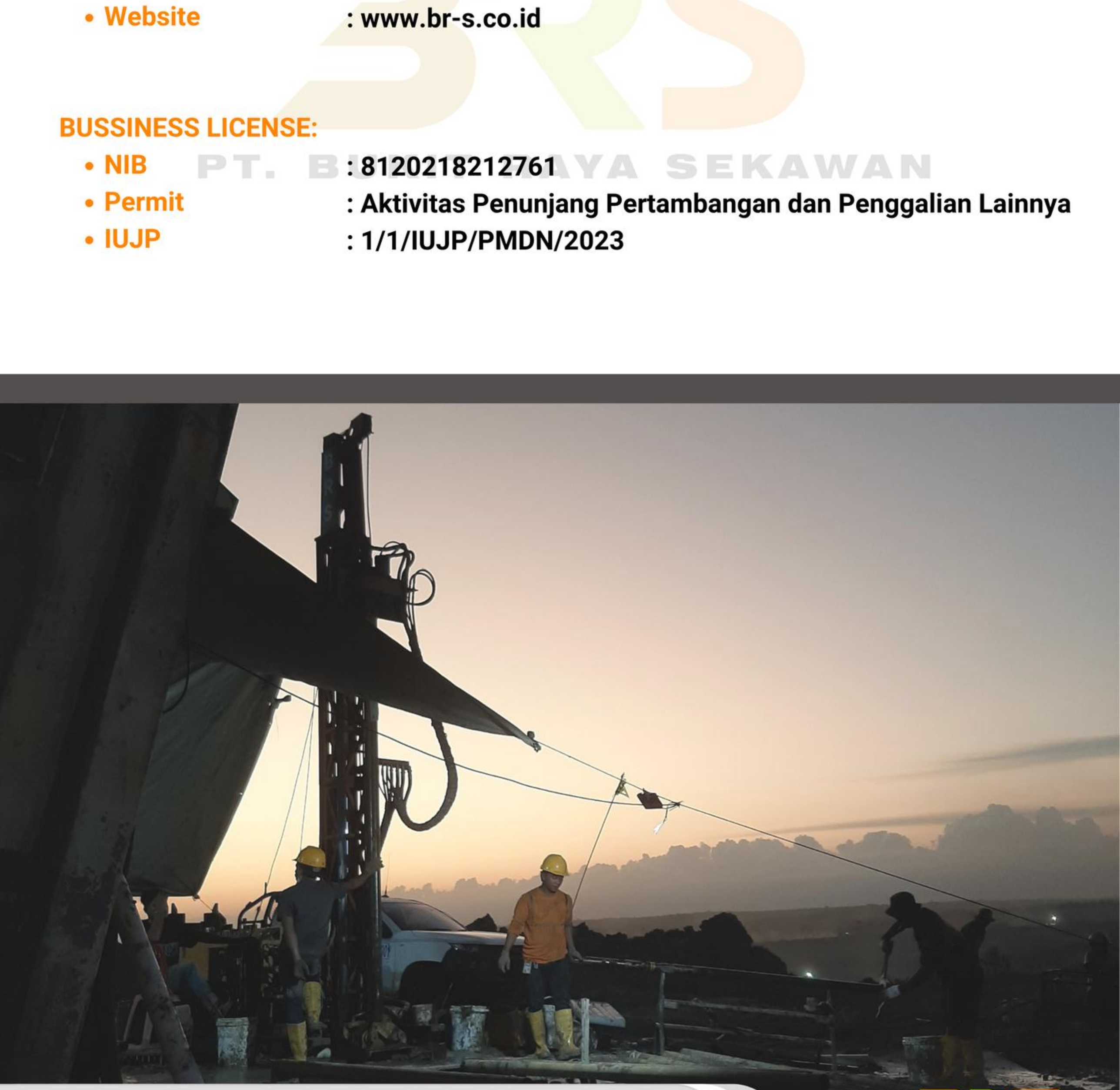
LEGALITY

GENERAL:

- **Company Name** : PT. BUKIT RAYA SEKAWAN
- **Address** : The Golden Nest Blok B-10, Jl Perdana Raya, Kedung Badak, Kecamatan Tanah Sareal, Kota Bogor 16164
- **E-mail** : marketing@br-s.co.id
- **Website** : www.br-s.co.id

BUSSINESS LICENSE:

- **NIB** : 8120218212761
- **Permit** : Aktivitas Penunjang Pertambangan dan Penggalian Lainnya
- **IUJP** : 1/1/IUJP/PMDN/2023



VISION

Being the client’s company of choice by providing the best consulting services

MISSION

To be the client's trusted partner by delivering exceptional consulting services that drive innovation, foster growth, and create sustainable value. We are committed to understanding our clients' unique challenges and opportunities, offering tailored solutions with the highest standards of expertise, integrity, and professionalism. Our goal is to consistently exceed expectations and be the consulting firm of choice for those seeking impactful, results-driven guidance.

“As we look to the future, I am confident that PT. Bukit Raya Sekawan will continue to be a leader in the consulting. We will keep pushing boundaries, delivering excellence, and helping our clients achieve their goals in a sustainable, efficient, and the best result solution.”

Ir. Endang Iskandar, ST., IPM., ASEAN Eng., APEC Eng., MAusIMM.
Chief Executive Officer

COMPANY SAFETY POLICY

PT. Bukit Raya Sekawan is committed to ensuring a safe and healthy environment for employees, contractors, clients, and visitors. Safety is a core priority in all operations, supporting individual well-being, business success, and client trust.

Our commitments:

- **Health & Safety Compliance**—Adhere to all applicable health, safety, and environmental regulations.
- **Risk Management**—Identify, assess, and mitigate risks through effective planning, training, and communication.
- **Employee Training**—Provide regular safety training and promote active participation in hazard awareness and reporting.
- **Emergency Preparedness**—Maintain and review emergency procedures, including evacuation and first aid protocols.
- **Safety Culture**—Foster shared responsibility for safety, led by strong leadership and proactive reporting.
- **Continuous Improvement**—Enhance safety practices through audits, inspections, feedback, and ongoing risk evaluation.

QUALITY POLICY

PT. Bukit Raya Sekawan is committed to delivering high-quality consulting services that meet and exceed client expectations. We provide innovative, sustainable, and tailored solutions to address each client's unique challenges.

Our commitments:

- **Client Satisfaction**—Delivering measurable results and long-term value.
- **Service Excellence**—Upholding high standards of expertise, professionalism, and integrity.
- **Continuous Improvement**—Enhancing quality, efficiency, and effectiveness through ongoing learning.
- **Collaboration & Communication**—Ensuring transparency and alignment with client goals.
- **Compliance & Best Practices**—Adhering to industry standards and legal requirements.
- **Sustainable Value Creation**—Providing impactful solutions that support long-term growth.

COMPANY HISTORY

PT. Bukit Raya Sekawan was founded in Bogor on October 25th 2016 by three friends who have been close since college and are professionals in the mining sector. Initially, the company focused on being a geotechnical consulting company.

2016

2022

- In 2021, PT Bukit Raya Sekawan began on a coal exploration drilling project in East Kalimantan.
- In 2022, the company handled a project that included topographic surveys, exploration and geotechnical drilling, geotechnical studies, SPT, CBR, soil investigation for constructing a hauling road, as well as comprehensive hydrology and hydrogeology studies, all in one a project in the Murung Raya area, Central Kalimantan.

2023

- In 2023, PT Bukit Raya Sekawan worked on 9 geotechnical, hydrological, and hydrogeological study projects in several IUP, as well as 3 coal exploration projects.
- In 2023, the company also began a disposal assessment project using the geoelectric resistivity method in Tapin area, South Kalimantan

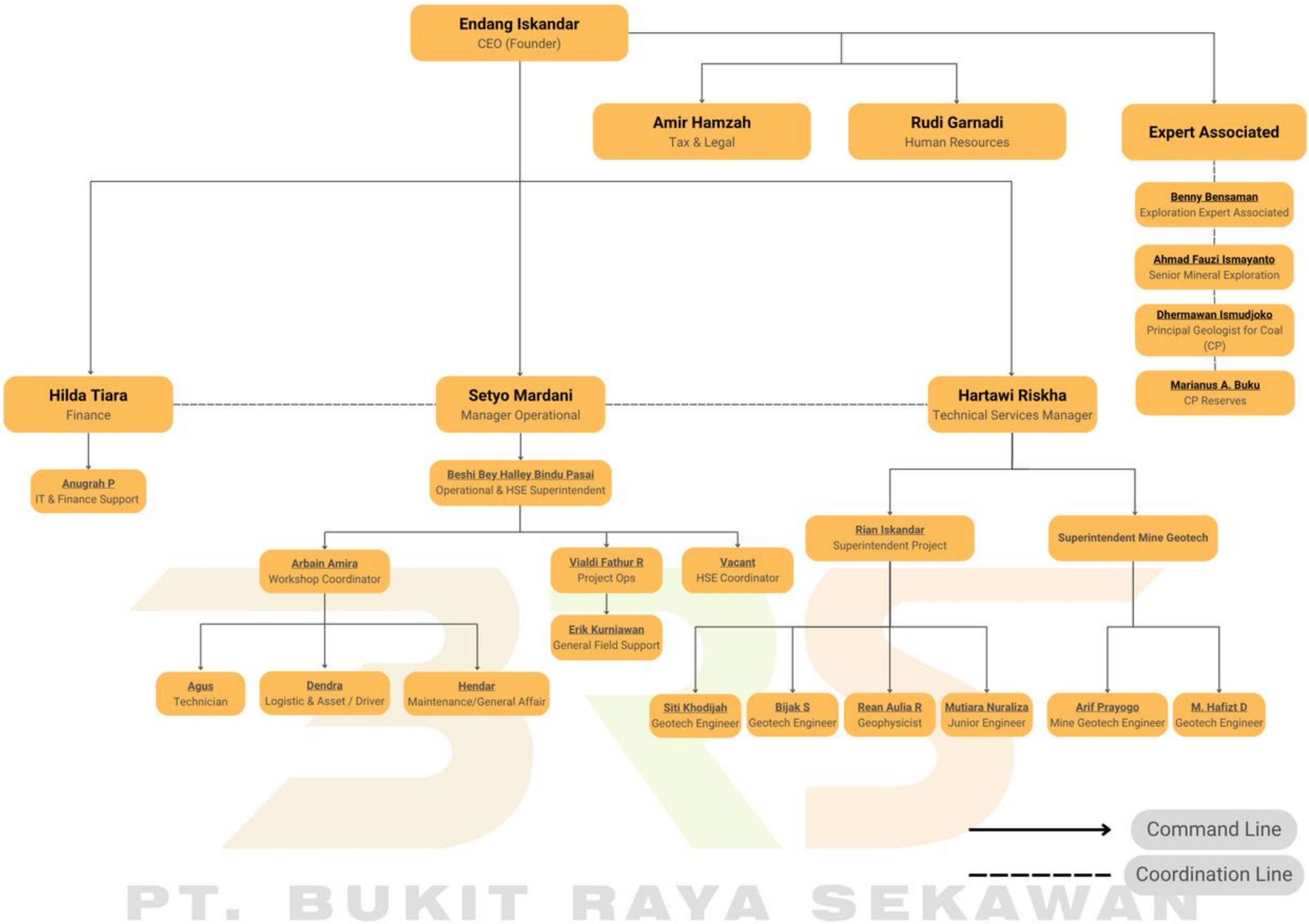
2024

- In 2024, PT Bukit Raya Sekawan signed a mine to Life of Mine (LOM) geotechnical contract with BMB Blok Dua
- In the same year, PT Bukit Raya Sekawan's technical services experienced significant growth. We now offer geoelectric survey services for disposal and comprehensive hydrological and hydrogeological studies, from undergroundwater detection to hydrogeological recommendations.

2025

- In 2025, PT Bukit Raya Sekawan was entrusted with exploration drilling in Central Kalimantan, PT Kapuas Bara Utama with total volume 14.000 meter
- In 2025, the Company also provided services in the fields of geotechnical studies in disposal areas, geotechnical drilling, exploration drilling, hydrological and hydrogeological studies, and geoelectric surveys for groundwater and soft material analysis under the surface.

STRUCTURE ORGANIZATIONAL



SISTER COMPANY

GEOLAND QUATTRO TECHNOLAB
ROCK MECHANICS LAB

mine rth
GEOTECHNICAL CONSULTANT & SOIL TEST LABORATORY

GeoEXPLORER Indonesia
SURVEY AND MAPPING

REI
RESOURCE EARTH INVESTMENTS
MINERAL EXPLORATION AND IUP ACQUITION

OUR SERVICES
FEASIBILITY STUDY

Site Characterization

- Conducts a detailed geotechnical site investigation to characterize soil and rock conditions.
- IdentifieD geological features, fault lines, rock types, and potential geotechnical hazards.

Slope Stability Analysis:

- Evaluates the stability of open pit slopes and underground mine workings.
- Utilizes geotechnical modeling, including limit equilibrium analyses and numerical modeling techniques.

Geotechnical Design Criteria:

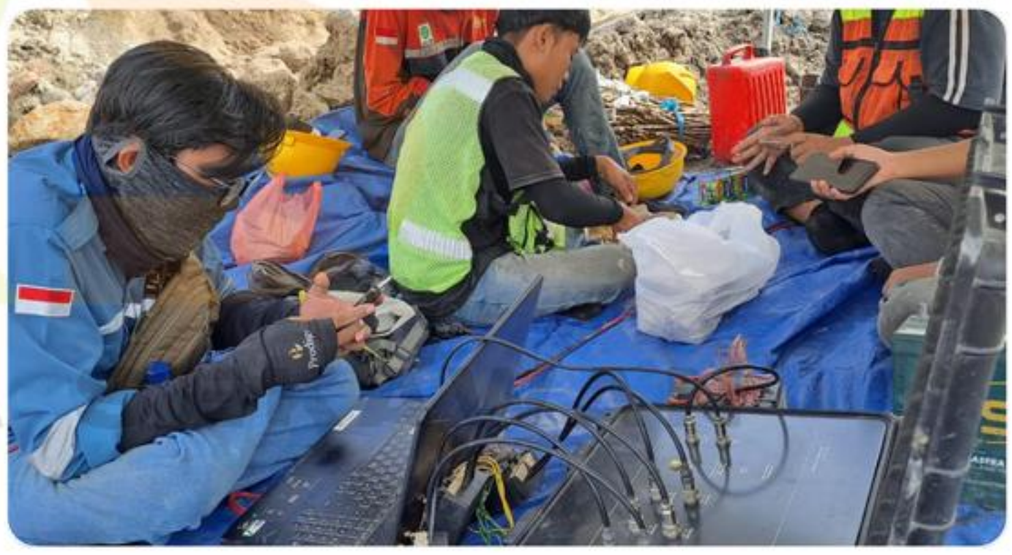
- Designs ground support systems, including rock bolts, mesh, and shotcrete for underground workings.
- Considers the potential for rockfalls and rockbursts.

Dewatering and Drainage:

- Evaluates groundwater conditions and designs dewatering systems to control water ingress.
- Implements drainage measures to minimize the risk of pore pressure-related failures.

Rock Mechanics Studies:

- Conducts laboratory testing and in-situ testing to determine rock mechanics properties.
- Incorporates rock mechanics data into geotechnical models for slope stability assessments.



Risk Assessment:

- Identifies geotechnical risks associated with slope failures, ground movements, and other geological hazards.
- Develops risk mitigation strategies to address potential issues during mining operations.

Geotechnical Monitoring Plan:

- Proposes a comprehensive geotechnical monitoring plan to track slope movements, groundwater levels, and other relevant parameters.
- Incorporates real-time monitoring techniques to detect early signs of instability.

Integration with Mine Planning:

- Collaborates closely with mining engineers to integrate geotechnical considerations into the mine design.
- Ensures that the mine layout and excavation sequences align with geotechnical stability requirements

Reporting and Documentation:

- Prepares a comprehensive geotechnical feasibility study report.
- Presents findings, analyses, and design recommendations in a clear and accessible official report format for ESDM

OUR SERVICES
EXPLORATION EXPERT

Objective and Purpose

- Objective: The primary goal of drilling exploration is to obtain subsurface information to understand the geological and geotechnical conditions of the site.
- Purpose: It helps in locating and delineating mineral resources, assessing ground stability, and gathering data for engineering and environmental considerations.

Site Selection

- Target Area Identification: The selection of drilling locations is based on geological mapping, geophysical surveys, and preliminary exploration data.
- Mineral Potential: For mining exploration, sites with identified mineral potential are prioritized.

Geological Mapping

- Geological mapping activities include rock mapping and searching for lithological unit boundaries on the surface using compass traverse method
- The objective of surface mapping is to observe the strikes and dips of coal or others and non-coal outcrops to delineate the geological regional setting and the existence of surface coal occurances to assist in the planning of drilling target.

Drilling Techniques

- Rotary Drilling: Commonly used for both geotechnical and mineral exploration, involving the rotation of a drill bit to cut through subsurface materials.
- Core Drilling: Extracts cylindrical rock cores, providing intact samples for detailed analysis.

Borehole Design

- Depth and Inclination: The depth and inclination of the boreholes are determined based on project objectives, target depth of exploration, and the desired angle of inclination (if inclined drilling is required).
- Cluster Drilling: Multiple boreholes may be clustered in a specific area to create a more comprehensive subsurface profile.

Core Sampling

- Sample Recovery: Core drilling allows the recovery of continuous, intact rock samples, providing a more accurate representation of subsurface conditions
- Sample Preservation: Proper handling and preservation of core samples are essential to prevent contamination and maintain sample integrity

In-Situ Testing

- ConePenetration Testing (CPT): Involves pushing a cone- shaped probe into the ground at various depths to measure soil resistance, providing information about soil strength and stratigraphy.
- Standard Penetration Testing (SPT): Uses a split-spoon sampler to collect soil samples at different depths, assessing soil properties

Geophysical Logging

- Tools and Techniques: Specialized tools are used for geophysical logging of boreholes, measuring parameters such as gamma radiation, electrical resistivity, and acoustic properties.
- Data Interpretation: Geophysical logs aid in the interpretation of subsurface geology, assisting in identifying mineralized zones and geological structures.

Reporting and Data Analysis

- Compilation of Results: Data collected from drilling exploration is compiled and analyzed to create detailed geological profiles, mineral resource estimates, and geotechnical models.
- Feasibility Study Support: The information obtained supports feasibility studies for mining projects or geotechnical assessments for construction projects.

OUR SERVICES
EXPERT WITNESS AND DUE DILLIGENCE

Expert Witness and Due Dilligence

- Both expert witnesses and due diligence processes contribute to informed decision-making and risk management in legal and business contexts, providing the necessary expertise and scrutiny to enhance the robustness of legal proceedings and business transactions.

Scope of Due Diligence

- Due diligence can be conducted in various contexts, including mergers and acquisitions, real estate transactions, investments, partnerships, and business contracts.
- It involves a thorough review of financial, legal, operational, and other relevant aspects.

Financial Due Diligence:

- Examines the financial health of a business, including its financial statements, cash flows, debt obligations, and financial projections.
- Aims to identify any financial risks or irregularities that could impact the transaction.

Legal Due Diligence:

- Assesses the legal standing of a business or transaction, including contracts, litigation history, regulatory compliance, and intellectual property rights.
- Helps identify potential legal risks and liabilities.

Operational Due Diligence:

- Focuses on the operational aspects of a business, such as its management structure, supply chain, production processes, and key personnel.
- Aims to understand the efficiency and sustainability of operations.

Technical Due Diligence:

- Applied in sectors like technology or manufacturing, technical due diligence assesses the robustness of technology, infrastructure, and production capabilities.
- Identifies any technological risks or gaps.

Risk Mitigation and Informed Decision-Making:

- The goal of due diligence is to identify and assess risks associated with a transaction, allowing parties to make informed decisions.
- It involves the development of strategies to mitigate identified risks.

Legal Compliance:

- Ensures that the proposed transaction or business activity complies with relevant laws and regulations.
- Helps prevent legal complications that may arise post- transaction.

Documentation and Reporting:

- Due diligence involves thorough documentation of findings and the preparation of due diligence reports.
- These reports are shared with stakeholders and may influence negotiations and final decisions.

OUR SERVICES
GEOLOGICAL MODELLING

3D Geological Modeling

- Utilizes advanced software to create three-dimensional models of subsurface geology, providing a visual representation of geological structures and variations.
- Integrates data from drilling, geophysical surveys, and other sources to enhance understanding of the geological setting.

Integration with Geotechnical Data

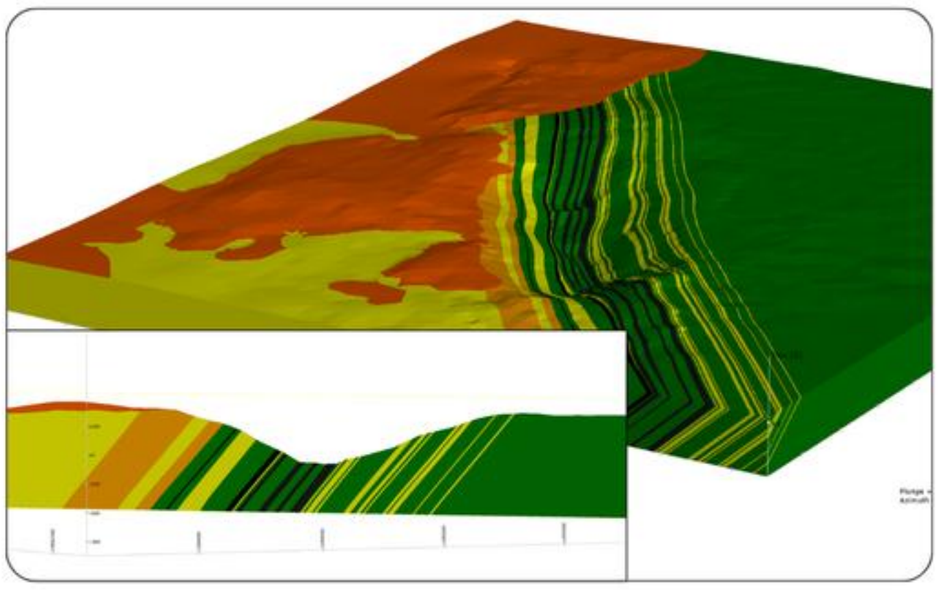
- Incorporates geotechnical data into geological models to better understand the distribution of rock types, fault lines, and other geological features affecting ground stability.
- Enables a seamless transition between geological and geotechnical investigations for a more holistic analysis.

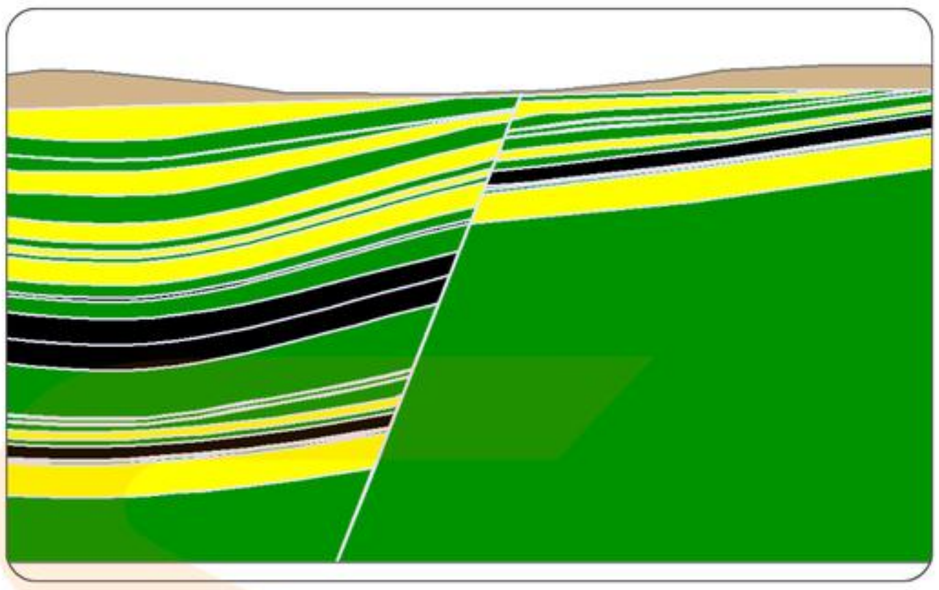
Geological Strength Parameter Mapping

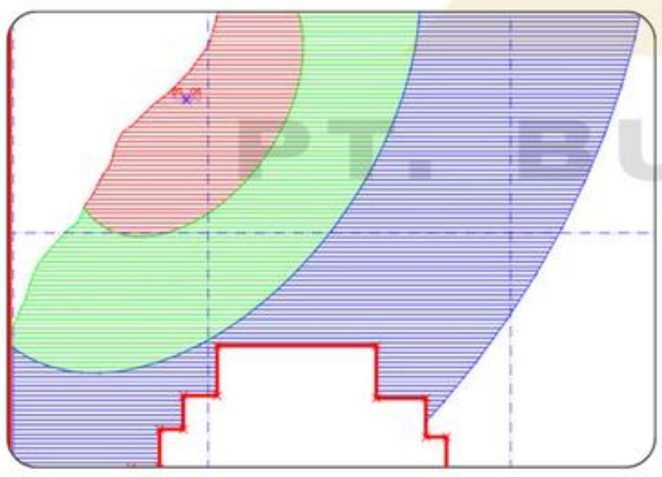
- Maps geological strength parameters, such as rock cohesion and internal friction angles, to assess the geotechnical properties of different geological units.
- Facilitates targeted geotechnical investigations by identifying areas with higher or lower stability potential.

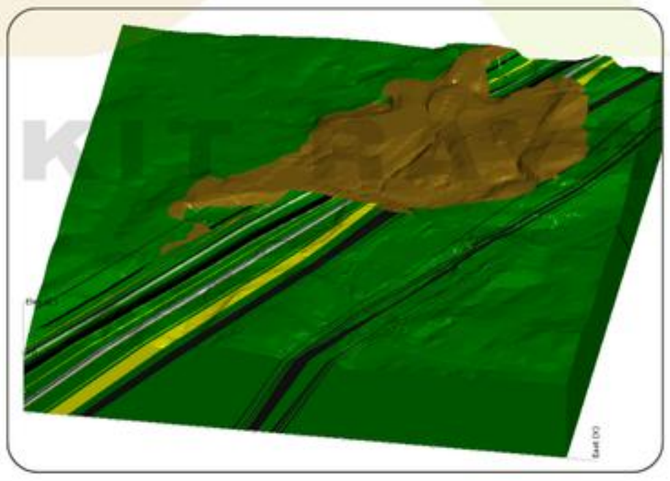
Model Validation

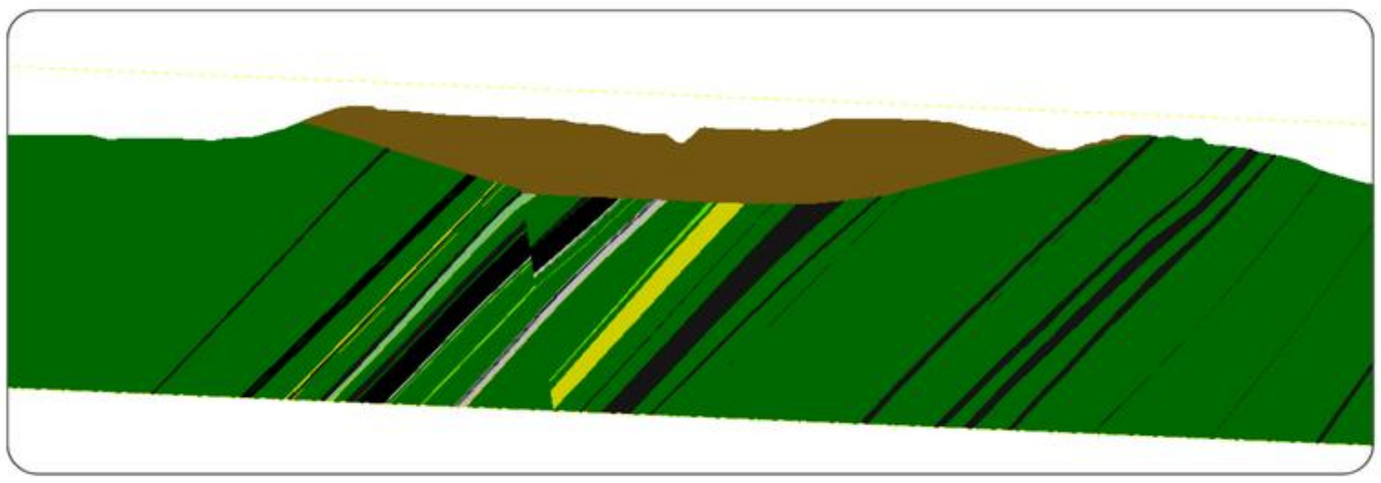
- Validates geological models using field data, drilling results, and geotechnical measurements to ensure accuracy and reliability.
- Adjusts and refines models based on additional data collected during the geotechnical investigation process.

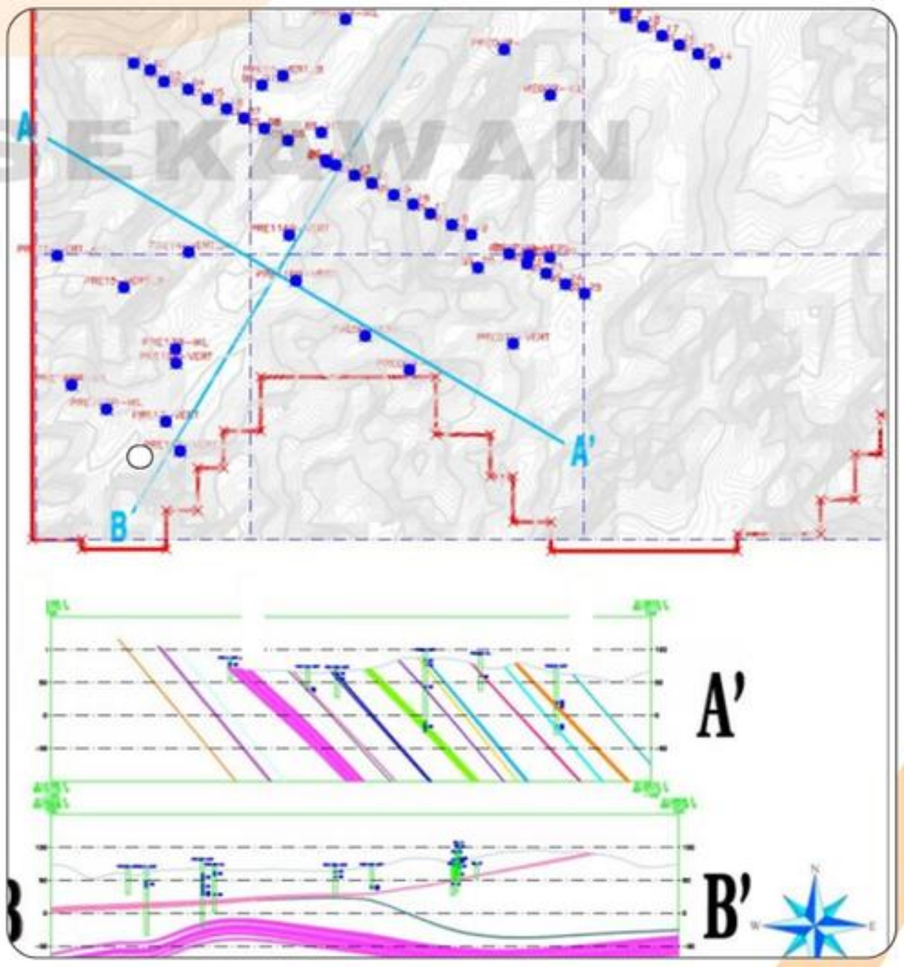




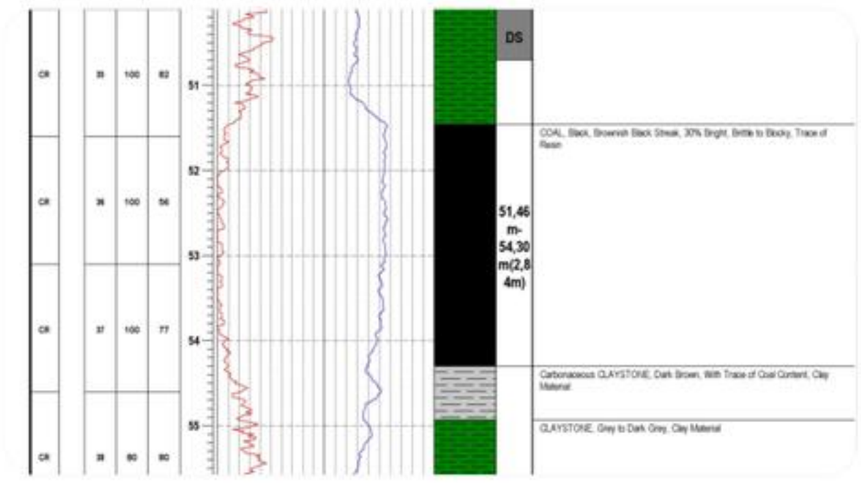


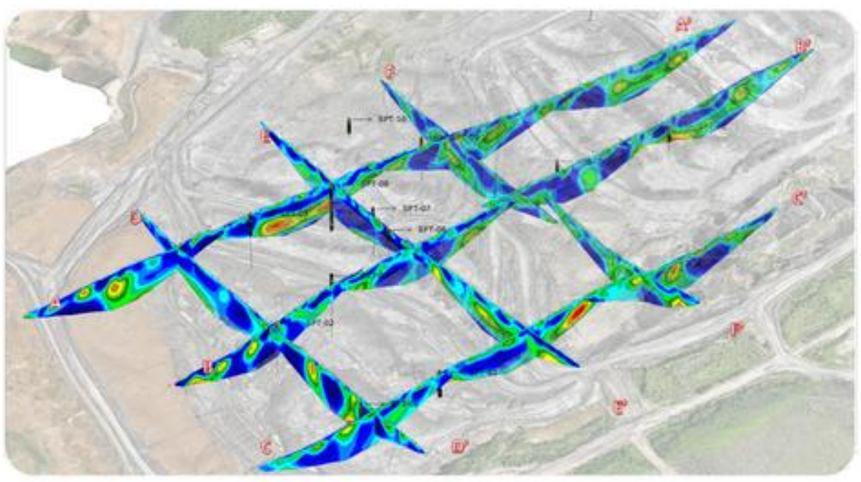


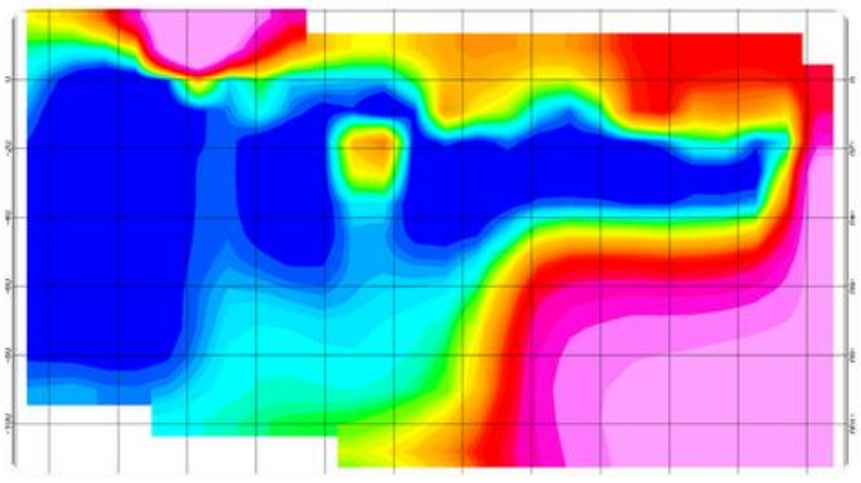




OUR SERVICES
GEOPHYSICAL







GEOPHYSICAL FOR EXPLORATION

Borehole Logging

- Borehole logging is conducted to gather detailed information about the geological and geotechnical properties of the subsurface.
- The primary objectives include assessing rock and soil types, identifying geological structures, determining water content, and measuring physical properties such as porosity and permeability.

Gamma Ray Logging:

- Measures natural gamma radiation emitted by the surrounding rock formations.
- Useful for identifying lithology, distinguishing between different rock types, and detecting the presence of radioactive minerals.

Electrical Resistivity Logging:

- Measures the electrical resistivity of the surrounding rocks.
- Measures the electrical resistivity of the surrounding in disposal to identify soft materal zone.
- Provides insights into the composition and moisture content of the subsurface, aiding in hydrogeological and geotechnical analyses.

Acoustic Logging:

- Utilizes sound waves to measure the acoustic properties of rocks.
- Assesses rock density, porosity, and the presence of fractures, providing valuable information for geotechnical stability assessments.

Caliper Logging:

- Measures the diameter of the borehole to identify variations in hole size.
- Essential for evaluating borehole stability and assessing the quality of the borehole wall.

Neutron Porosity Logging:

- Measures the neutron absorption properties of the subsurface.
- Provides information about porosity and moisture content, aiding in groundwater studies and reservoir characterization.

Downhole Tools and Instruments:

Logging Tools:

- Logging tools are lowered into the borehole to collect data at various depths.
- Tools may include gamma ray probes, resistivity sondes, acoustic sensors, and other specialized instruments.

Wireline Logging:

- Wireline logging involves the deployment of logging tools on a cable (wireline) that can be raised and lowered through the borehole.
- Allows for efficient data collection at multiple depths without the need to pull the entire tool string out of the borehole.

GEOPHYSICAL FOR GEOTECH SUPPORT

Geo-Electricial for Disposal Area:

- Measured the electrical resistivity of disposal areas, focuses to identify soft materal zone and displacement potensial

Geo-Electricial for Drain Hole

- Measured the electrical resistivity of pit area, focuses to indentify low resistivity. Low resistivity is akuifer target for drain hole.

OUR SERVICES
HYDROLOGY & HYDROGEOLOGY

UNDERGROUND WATER DETECTOR

- An underground water detector is a device or system used to locate groundwater or identify the presence of water beneath the earth's surface (aquifer
- Identify groundwater using the ADMT, that can identify up to a depth 200 - 300 meters

HYDROLOGY INVESTIGATION

Water Balance Studies

- Conducts water balance studies to quantify water inputs and outputs within a mining site.
- Guides sustainable water resource management and allocation.

Hydrology Analysis

- Climate analysis to predict the occurrence of extreme weather, the rate of change, and the impacts of such weather over the course of mining operations. The analysis is based on annual rainfall data according to the age of the mine
- Planned rainfall analysis to determine the rainfall intensity data for a specific return period (age of the mine)
- Determining the peak runoff discharge, which consists of the catchment area, flood runoff discharge, and flood simulation to estimate the impacts by analysis on the mining activities

HYDROGEOLOGY INVESTIGATION

Aquifer Characterization:

- Conducts assessments to characterize aquifers, including hydraulic conductivity, storativity, and transmissivity.
- Identified groundwater flow patterns and potential interactions with mining activities

Groundwater Monitoring:

- Implements groundwater monitoring wells to assess water levels, flow directions, and quality over time.
- Monitors seasonal variations and potential impacts on slope stability and infrastructure.

Pumping Tests

- Conducts pumping tests to determine aquifer properties and evaluate the response of groundwater levels to pumping.
- Provides valuable data for designing dewatering systems and managing water ingress.

Seepage Modeling:

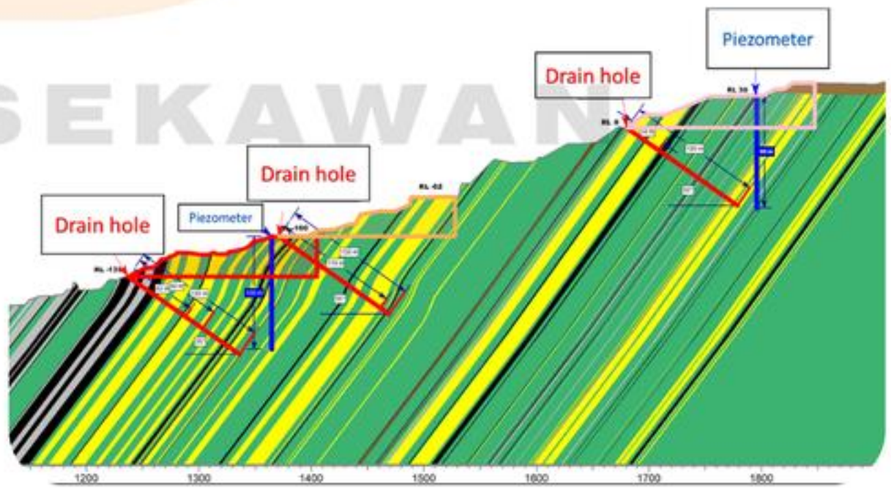
- Utilizes numerical modeling to analyze seepage patterns through soil and rock masses.
- Assesses the impact of groundwater on slope stability and infrastructure integrity.

Pore Pressure Monitoring

- Implements instrumentation to monitor pore water pressure in soil and rock.
- Incorporates pore pressure data into stability analyses to evaluate the influence on slope stability.

Dewatering System Design

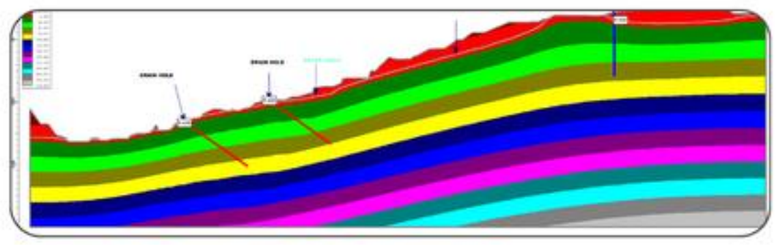
- Designs dewatering systems to control groundwater levels and reduce pore water pressures in excavation areas.
- Considers the optimal placement and capacity of dewatering wells for effective water removal



Drainhole Drilling:

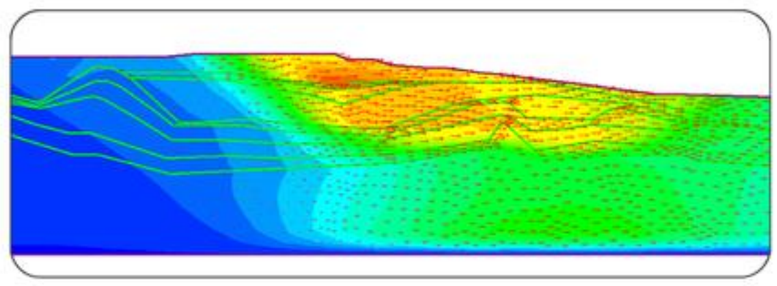
- Drainholes play a crucial role in managing water, which is often abundant and can pose significant challenges to mining operations.
- Key functions of drainholes: water management, dewatering, safety and stability of water related, environmental management and emergency response

OUR SERVICES
GEOTECHNICAL INVESTIGATION



Excavability and Rippability Analysis

- Analysis using aproximation method based on seismic velocity data and graphic method based on fracture index and strength material by point load test



Ground Pressure Analysis

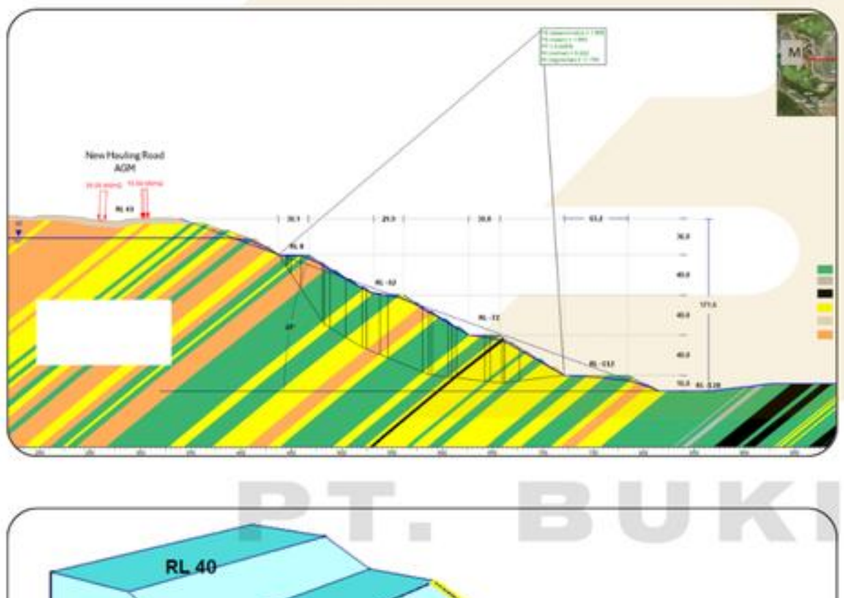
- Ground Pressure Analysis is a process used to assess the distribution and magnitude of pressure exerted on the ground by a structure, vehicle, or load. It helps determine whether the ground can safely bear the load and whether any preventive measures need to be taken to avoid issues like ground subsidence, structural failure, or soil deformation.

Slake Durability

- Slake durability is a measure of the resistance of rock or soil to degradation or disintegration when subjected to wetting and drying cycles. It refers specifically to the ability of certain types of rocks, particularly those containing clay minerals or other fine-grained materials, to withstand physical breakdown (slaking) when they are alternately wetted and dried

Soil Bearing Capacity

- Soil bearing capacity is the maximum load per unit area that the ground can support without experiencing failure or excessive settlement. It is a critical property in geotechnical engineering, as it helps engineers determine the appropriate foundation design for a structure, ensuring that the soil can bear the loads applied by buildings, bridges, roads, or other constructions without causing subsidence, tilting, or collapse.
- Bearing Capacity Analysis can determine the high maximum of waste dump



Slope Stability Analysis

- Utilizes advanced software for 2D and 3D slope stability analysis, considering factors like material properties, water inflow, and geological structures.
- Incorporates probabilistic modeling to assess uncertainties and develop risk mitigation strategies

a. Limit Equilibrium Analysis

- Applies traditional methods like Bishop's method and Morgenstern-Price method for analyzing the equilibrium of slopes.
- Considers pore water pressure, seismic forces, and dynamic loading in stability assessments.

b. Finite Element Analysis:

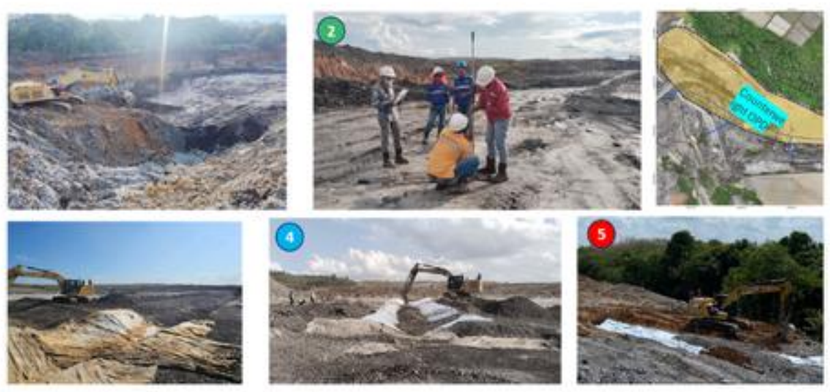
- Implements sophisticated numerical techniques to model complex geological conditions and assess structural stability.
- Allows for detailed simulations of stress distribution, deformation, and failure mechanisms.
- models based on additional data collected during the geotechnical investigation process.

Geotechnical Monitoring

- Geotechnical monitoring focuses on the behavior of soil and rock, assessing factors like settlement, pore water pressure, and slope stability.
- Essential for excavation projects, embankments, and foundation performance.

Early Warning Systems:

- Instrumentation and monitoring systems may include early warning capabilities to alert stakeholders to potential issues.
- Early detection allows for timely interventions to prevent or mitigate risks.



OUR SERVICES
LABORATORY TESTING

Sample Collection and Preparation

- Soil and rock samples are collected from boreholes, test pits, or other subsurface exploration methods.
- Representative sampling is crucial to ensure the laboratory test results accurately reflect the in-situ conditions.
- Care is taken to preserve the integrity of the samples during transport to the laboratory.
- Special precautions are employed to prevent changes in moisture content, which can affect test results
- All lab testing is handed over to our sister company **PT Geoland Quattro Technolab** (rock mechanics) dan **PT Minearth Solution (soil mechanics)**

Soil Engineering Properties Testing

Consolidation Testing:

- Evaluates the compressibility and settlement characteristics of soil under loads.
- Helps estimate settlement and assess the time-dependent behavior of soils.

Triaxial Shear Testing:

- Measures the shear strength and stress-strain behavior of soil samples under different confining pressures.
- Essential for slope stability analysis, foundation design, and understanding soil behavior under load.

Direct Shear Testing:

- Determines the shear strength of soils by applying a direct horizontal force.
- Commonly used for cohesionless soils and provides valuable input for slope stability studies.

Unconfined Compression Testing:

- Measures the compressive strength of cohesive soils without lateral confinement.
- Useful for characterizing the strength of soft soils.

Rock Mechanics Testing

Point Load Index Testing:

- Measures the strength of rock samples under point load conditions.
- Provides a quick assessment of rock strength for preliminary design considerations.

Uniaxial Compression Testing:

- Applies axial load to rock samples to determine compressive strength and modulus of elasticity.
- Critical for understanding the load-bearing capacity of rocks in engineering projects.

Brazilian Test:

- Evaluates tensile strength by inducing a tensile stress across the center of a disc-shaped rock sample.
- Useful for assessing rock durability and fracture behavior.

Permeability Testing

- Constant Head and Falling Head Permeability Tests:
- Assess the ability of soils to transmit water under different hydraulic gradient conditions.
- Important for groundwater flow analysis, seepage studies, and design of drainage systems.

Slake Durability Testing

- Evaluate the resistance of rock to weathering, especially when subjected to wetting and drying cycles
- Evaluate the long-term stability of rocks, especially in terms of their ability to withstand the effects of moisture and environmental stressors

OUR SERVICES
GEOLOGIST ASSOSIATED

Ir. Dr. BENNY BENSAMAN, S.T., M.T.

- Senior Exploration Geologist with 38+ years of experience in mineral exploration, resource evaluation, and mining project development. Experienced in greenfield and brownfield exploration across copper-gold, iron sand, heavy mineral sand, bauxite, tin, silica sand, quartz, and kaolin. Certified LSP ESDM Competent Person, Assessor, and IAGI–KCMI Competent Person Indonesia (CPI PHE). Currently active as mining geology lecturer and technical professional in exploration projects.

Ir. Dr. BENNY BENSAMAN, S.T., M.T.

PROFESSIONAL EXPERIENCE

- 2024–Present – General Manager, PT Kumamba Mining
- 2024–Present – Head of Exploration, PT Bumi Liputan Teknik
- 2020–Present – Lecturer, Polytechnic of Energy and Mining (ESDM) Bandung
- 2018–2024 – Director & Chief Geologist, PT Bumi Kuarsa Abadi
- 2011–2017 – Brownfield Exploration Manager, PT Freeport Indonesia
- 2008–2011 – Superintendent Geologist, PT Freeport Indonesia
- 2001–2008 – Drill Core Supervisor, PT MineServe International
- 1993–2001 – Senior Exploration Geologist, PT Freeport Indonesia
- 1990–1993 – Exploration Geologist, PT Ashton Mining
- 1987–1990 – Geologist, PT Pelsart / Rio Tinto Indonesia

EDUCATION

- Doctorate (PhD), Master (MSc), Bachelor (BSc) – Geology, Universitas Padjadjaran.

PROFESSIONAL CERTIFICATIONS

- LSP ESDM Competent Person
- LSP ESDM Assessor
- IAGI–KCMI Competent Person Indonesia (CPI PHE)
- POP, POM, SMKP Mining Safety Certifications

Our Commitment

- We are committed to delivering reliable geological solutions that maximize exploration success while promoting responsible resource development. Our objective is to support sustainable mining projects through scientific integrity, operational excellence, and long-term value creation for clients, stakeholders, and local communities.

AHMAD FAUZI ISMAYANTO, S.T., M.T.

- Senior Exploration and Structural Geologist with more than 20 years of experience in mineral and energy resource exploration. Strong expertise in structural geology, tectonic analysis, and magmatic–hydrothermal systems related to mineral and geothermal resources. Experienced in integrating and interpreting multi-scale geological, geophysical, and geochemical data from regional to prospect scale to define geological frameworks, genetic models, and resource potential.

AHMAD FAUZI ISMAYANTO, S.T., M.T.

PROFESSIONAL EXPERIENCE

- 2002–2009 – Exploration Geologist, PT Geoservices (Exploration Division)
- 2006–2020 – Geoscientist (Researcher), Research Center for Geotechnology, LIPI
- 2011 – Geoscientist, Malili Lake Project (LIPI & University of Cologne)
- 2014–2019 – Geoscientist, The University of Auckland, New Zealand
- 2010–2025 – Principal / Exploration Geologist, various projects (LAPI ITB, Supreme Energy, Recsalog, Geolexco International, BLU Tekmira, BBSPGL, GMP Consulting, Resources Earth Investment)
- 2020–2026 – Industrial Lecturer, Polytechnic of Energy and Mining Bandung
- 2025–Present – Director, PT Orekus Bhumi Servitia
- 2025–2026 – Senior Expert, Mineral Industry Agency (BIM)

CORE EXPERTISE

- Structural Geology, Advanced Data Analysis & Processing
- Mineral, Coal & Geothermal Exploration
- Geophysics (Data Acquisition & Non-seismic Interpretation)
- Geological Database Management & GIS
- Geological Modeling, Genetic Systems & Resource Estimation

Our Commitment

- We are committed to delivering reliable geological solutions that maximize exploration success while promoting responsible resource development. Our objective is to support sustainable mining projects through scientific integrity, operational excellence, and long-term value creation for clients, stakeholders, and local communities.

OUR SERVICES
GEOLOGIST ASSOSIATED

Dhermawan Ismudjoko, ST, MM, CP

- Coal Geologist with over 20 years of experience in coal exploration, geological modelling, resource estimation, and open-pit mine geology. Experienced in supporting new mining projects and mineral assessments for coal, nickel, gold, and bauxite. Proficient in MineScape for geological modelling and resource evaluation, with working knowledge of Datamine, Micromine, Vulcan, and Deswik. Certified as a Competent Person (CP BNSP) and Competent Person Indonesia (CPI PERHAPI) for Coal Resource Estimation.

Dhermawan Ismudjoko, S.T., MM, CP

PROFESSIONAL EXPERIENCE

- 2018–Present – Principal Geologist, PT Thiess Contractors Indonesia
- 2017 – Resource & Pit Geologist Superintendent, PT Berau Coal
- 2017 – Senior Geologist, PT Limas Tunggal
- 2011–2016 – Senior Geologist, PT Thiess Contractors Indonesia
- 2010–2011 – Senior Geologist, PT Pinang Coal Indonesia
- 2005–2010 – Geologist (Junior to Senior), PT Thiess Contractors Indonesia
- 2004–2005 – Junior Geologist, PT Antang Gunung Meratus (Baramulti Group)
- 2003 – Geology Intern, PT Bahari Cakrawala Sebuku (Strait Group)

SOFTWARE ABILITY

- MineScape OpenCut & StratModel (Advanced)
- Vulcan, Deswik, Micromine (Basic)

PROFESSIONAL CERTIFICATIONS

- POM – Middle Level Operational Supervisory from Energy and Mineral Resource Agency
- Competent Person CP BNSP – SNI for Coal Resource Estimation from National Professional Certification Agency (No Reg. ASB.025.00036 2024).
- Competent Person Indonesia CPI PERHAPI – KCMI Code for Coal Resource Estimation from Association of Indonesian Mining Professionals (No CPI: 2222373 – 304).

PROFESSIONAL MEMBERSHIPS

- MAusIMM – Member of Australasian Institute of Mining & Metallurgy (No. 3147719)
- PERHAPI - Association of Indonesian Mining Professionals (No. 2222373)

Marianus A. Buku

PROFESSIONAL EXPERIENCE

- 2025 – Coal reconciliation and quality analysis of PTMGM, Central Kalimantan (PT Sucofindo).
- 2025 – Technical review of AUB Coal Resources and Reserves, Central Kalimantan (PT LPR).
- 2024 – Coal Reserves Estimate (KCMI/JORC) of PTBA Peranap Project, Riau (PT Sucofindo).
- 2023 – Coal Reserves Estimate (KCMI/JORC) of PTBA Ombilin Coal Project, West Sumatra (PT Sucofindo).
- 2023 – Technical review of PI Coal Resources and Reserves, Central Kalimantan (PT LPR).
- 2023 – Exploration & Statutory Reporting (Exploration Report, Feasibility Study, Reclamation & Post-Mining Plan) for PG Granite Project, Karimun, Kepulauan Riau (PT PG).
- 2022 – Technical review of MUTU Coal Resources and Reserves, East Kalimantan (PT MUTU).
- 2022 – Exploration & Statutory Reporting (Exploration Report, Feasibility Study, Reclamation & Post-Mining Plan) for SSR Granite Project, Karimun, Kepulauan Riau (PT SSR).
- 2022 – Peer Review of BASR Limestone (Aggregate) Reserves (KCMI), South Kalimantan (PT BASR).
- 2021 – Technical review of BCB and HBM Coal Projects, East Kalimantan (PT BDR).

Marianus A. Buku

EDUCATION

- Universitas Pembangunan Nasional "Veteran" Yogyakarta | 2000 – 2004

PROFESSIONAL SKILLS

- Over than 20 years' experience
- Direct projects from concept
- Direct operational status project
- Mine operation and SHE
- Mine planning & development
- Public reporting
- AusIMM member
- CP/CPI
- Insinyur Profesional Madya
- ASIAN Engineer
- Coal, nickel, silica, granite & andesite mining project

OUR CLIENTS

DRILLING & WORKSHOP

JACRO 175

JACRO 200

JACRO 240

JACRO 300

WORKSHOP

PRINCIPLE DOCUMENTS

Nomor Sertifikat / Certificate Number : 010326

PII

SERTIFIKAT KOMPETENSI INSINYUR PROFESIONAL

PROFESSIONAL ENGINEER COMPETENCY CERTIFICATE

Persatuan Insinyur Indonesia dengan ini menetapkan
The Institution of Engineers, Indonesia, hereby certifies

Endang Iskandar

Nomor Keanggotaan | *Membership Number*
1022-14-028810

sebagai | as

Insinyur Profesional Madya
Senior Professional Engineer

Nomor Sertifikasi | *Certification Number*
2-14-00-000241-00

berdasarkan Bakuan Kompetensi Insinyur Profesional yang ditentukan oleh Persatuan Insinyur Indonesia dan berlaku masa 5 (lima) tahun
based on the Competency Standard for Professional Engineers as defined by the Institution of Engineers, Indonesia, which is valid for 5 (five) years

Ditetapkan di, pada tanggal | Certified in, on the date of
Jakarta, Indonesia, 7 Mei 2023

Pengurus Badan Kejuruan Teknik Pertambangan
Board of Mining Engineering College

Ir. Rizal Kasli, IPM., ASEAN Eng.
Ketua | *Chairman*

Pengurus Pusat Persatuan Insinyur Indonesia
National Board of The Institution of Engineers, Indonesia

Dr. Ir. Danis Hidayat Sumadilaga, M.Eng.Sc., IPU., ACPE., APEC Eng.
Ketua Umum | *President*

Nomor : **0026571**
Number

SURAT TANDA REGISTRASI INSINYUR

CERTIFICATE OF ENGINEER REGISTRATION

Sesuai dengan Undang-Undang No.11 tahun 2014 tentang Keinsinyuran dan Peraturan Pemerintah Nomor 25 Tahun 2019, dengan ini Persatuan Insinyur Indonesia menetapkan bahwa :
Based on Law No. 11 of 2014 and Government Regulation No. 25 of 2019, The Institution of Engineers Indonesia Certifies that:

R. ENDANG ISKANDAR

dinyatakan memiliki kompetensi sebagai :
is recognized to have competency as

INSINYUR PROFESIONAL MADYA

Nomor Registrasi
Registration Number

2.014.23.1.1.00026571

Surat Tanda Registrasi Insinyur berlaku 5 (lima) tahun sejak ditetapkan:
This Certificate of Registration is valid for 5 (five) years since it is stated

Ditetapkan di / *Stated at* : **JAKARTA**

Tanggal / *Date* : **7 MEI 2023**

Persatuan Insinyur Indonesia
THE INSTITUTION OF ENGINEERS INDONESIA

Dr. Ir. Danis Hidayat Sumadilaga, ST., M.Eng.Sc., IPU., ACPE.
Ketua Umum
President

ASEAN FEDERATION OF ENGINEERING ORGANISATIONS (AFEO)

ASEAN ENGINEERING REGISTER

THIS IS TO CERTIFY THAT

ENDANG ISKANDAR

who, having satisfied the qualification requirement demanded at this date by the

AFEO Governing Board

has been awarded the status of

ASEAN ENGINEER

together with the designatory letters ASEAN Eng.

Ir. Yau Chau Fong
AER Head Commissioner

Dr. Ir. Danis Hidayat Sumadilaga, IPU., ACPE., APEC Eng.
AFEO Chairman

Ir. Habimono Koesoebjono
PII Country Registrar

Approved at 41st AFEO Governing Board Meeting on 23rd day of November 2023 at Bali, Indonesia. AE 14390

INTERNATIONAL ENGINEERING ALLIANCE

APEC

ASIA-PACIFIC ECONOMIC COOPERATION
APEC ENGINEER REGISTER
INDONESIA MONITORING COMMITTEE

This is to certify that

Endang Iskandar

is registered by the Institution of Engineers, Indonesia, as an

APEC Engineer

in

Indonesia

in the following areas of practice

Mining Engineering

on

November 30, 2024

Danis Hidayat Sumadilaga
Dr., Ir., M.Eng.Sc., IPU., ACPE., APEC Eng.
President of The Institution of Engineers, Indonesia

PII

Andi Taufan Marimba
Ir., MM., MBA., IPU., CPEng., ACPE., APEC Eng.
Chairman of Indonesia Monitoring Committee

PRINCIPLE DOCUMENTS

13305211

BADAN NASIONAL
SERTIFIKASI PROFESI
INDONESIAN PROFESSIONAL CERTIFICATION AUTHORITY

SERTIFIKAT KOMPETENSI
CERTIFICATE OF COMPETENCE

No. B0990 2114 6 0000026 2024

Dengan ini menyatakan bahwa,
This is to certify that,

Hartawi Riskha

No. Reg. RGT.025.00026 2024

Telah kompeten pada bidang :
Is competent in the area of :

Geoteknik Tambang Mineral dan Batubara
Mineral and Coal Mining Geotechnics

Dengan Kualifikasi / Kompetensi :
With Qualification / Competency :

Perencanaan Kegiatan Geoteknik Tambang Mineral Dan Batubara
Geotechnical Planning Mineral And Coal Mining Activities

Sertifikat ini berlaku sampai dengan 4 (empat) Tahun
This certificate is valid until 4 (four) Years

Jakarta, 18 Oktober 2024

Atas nama (On behalf of) BNSP
Indonesian Professional Certification Authority
Lembaga Sertifikasi Profesi PERHAPI
Professional Certification Body PERHAPI

Ir. Rajulisman
MET.000.000658 2010
Ketua LSP PERHAPI
Chairman

13305223

BADAN NASIONAL
SERTIFIKASI PROFESI
INDONESIAN PROFESSIONAL CERTIFICATION AUTHORITY

SERTIFIKAT KOMPETENSI
CERTIFICATE OF COMPETENCE

No. B0990 2114 7 0000023 2024

Dengan ini menyatakan bahwa,
This is to certify that,

Hartawi Riskha

No. Reg. LGT.025.00023 2024

Telah kompeten pada bidang :
Is competent in the area of :

Geoteknik Tambang Mineral dan Batubara
Mineral and Coal Mining Geotechnics

Dengan Kualifikasi / Kompetensi :
With Qualification / Competency :

Pelaksanaan Kegiatan Geoteknik Tambang Mineral Dan Batubara
Geotechnical Performing Mineral And Coal Mining Activities

Sertifikat ini berlaku sampai dengan 4 (empat) Tahun
This certificate is valid until 4 (four) Years

Jakarta, 18 Oktober 2024

Atas nama (On behalf of) BNSP
Indonesian Professional Certification Authority
Lembaga Sertifikasi Profesi PERHAPI
Professional Certification Body PERHAPI

Ir. Rajulisman
MET.000.000658 2010
Ketua LSP PERHAPI
Chairman

F7336971

BADAN NASIONAL
SERTIFIKASI PROFESI
INDONESIA PROFESSIONAL CERTIFICATION AUTHORITY

SERTIFIKAT KOMPETENSI
CERTIFICATE OF COMPETENCE

Nomor Sertifikat / *Certificate Number*
74321 2142.99 8 00054651 2024

Dengan ini menyatakan bahwa,
This is to certify that,

HARTAWI RISKHA

No. Reg. F 1993 54651 2024 0390946 SI 15

Telah Kompeten pada bidang:
Is competent in the area of:

Jasa Konstruksi
Construction Services

Dengan Kualifikasi / Kompetensi:
With Qualification / Competency:

Ahli Madya Geoteknik
Associate Geotechnical Expert

Sertifikat ini berlaku untuk 5 (lima) tahun
This certificate is valid for 5 (five) years

Atas nama Badan Nasional Sertifikasi Profesi
On Behalf of Indonesia Professional Certification Authority

Lembaga Sertifikasi Profesi Astekindo Konstruksi Mandiri
Astekindo Konstruksi Mandiri Professional Certification Agency

Yosep Fernando Putra, S.T.
Ketua LSP
Chairman PCA

PRINCIPLE DOCUMENTS

11804309

BADAN NASIONAL
SERTIFIKASI PROFESI
INDONESIAN PROFESSIONAL CERTIFICATION AUTHORITY

SERTIFIKAT KOMPETENSI
CERTIFICATE OF COMPETENCE

No. 07200 2114 0 0016197 2023

Dengan ini menyatakan bahwa,
This is to certify that,

Benny Bensaman

No. Reg.B.613.01880.2023

Telah kompeten pada bidang:
Is competent in the area of:

Eksplorasi Terperinci Mineral dan Batubara
Detailed Exploration of Mineral and Coal

Dengan Kualifikasi / Kompetensi:
With the Qualification / Competency as:

Ahli Pelaporan Hasil Kegiatan Eksplorasi Terperinci Mineral
Expert in Reporting the Result of Detailed Mineral Exploration

Sertifikat ini berlaku untuk: 4 (empat) Tahun
This certificate is valid for: 4 (four) Years

Bandung, 13 November 2023

Atas Nama Badan Nasional Sertifikasi Profesi
On Behalf of the National Professional Certification Authority
Lembaga Sertifikasi Profesi Energi dan Sumber Daya Mineral
Professional Certification Body of Energy and Mineral Resources

LENI NURLIANA
Ketua
Chairman

BNSP

Sertifikat No :IAGI-MGEI/KCMI/CPI-051/2014
Certificate Number

MGEI

MASYARAKAT GEOLOGI EKONOMI INDONESIA
INDONESIAN SOCIETY of ECONOMIC GEOLOGISTS

Sertifikat

(CERTIFICATE)

Diberikan Kepada
(Awarded to)

Benny Bensaman

Sebagai
(As)

COMPETENT PERSON INDONESIA
(*Indonesia Competent Person*)

Bidang Keahlian : Pelaporan Hasil Eksplorasi komoditi Emas (Au)

(***Area Of Expertise : Reporting of Exploration Result of commodity Gold***)

MASYARAKAT GEOLOGI EKONOMI INDONESIA
INDONESIAN SOCIETY OF ECONOMIC GEOLOGISTS

Jakarta, 09 Desember 2014
(Issued in Jakarta)

Arif Zardi Dahlius
Ketua MGEI
(*MGEI Chairman*)

Sukmandaru Prihatmoko
Ketua Umum IAGI
(*IAGI Chairman*)

Ade Kadarusman Ph.D
Ketua Komite Implementasi Competent Person IAGI
(*Chairman, IAGI Competent Person Implementation Commitee*)

ENERGI DAN SUMBER DAYA MINERAL

Sertifikat Kompetensi

PENGAWAS OPERASIONAL MADYA
CERTIFICATE of COMPETENCY for MIDDLE OPERATIONAL MANAGEMENT
Nomor . M. 728 /37.04/DBT/2015

Diberikan Kepada :
Certifies that :

Ir. Benny Bensaman

Telah Lulus
Has successfully passed

PENGAWAS OPERASIONAL

UJIAN KOMPETENSI PENGAWAS OPERASIONAL MADYA
THE COMPETENCY EXAMINATION OF MIDDLE OPERATIONAL MANAGEMENT

Jakarta, 05 Maret 2015

Direktur Teknik dan Lingkungan Mineral dan Batubara / Kepala Inspektur Tambang
Technical and Environmental Director of Mineral and Coal / Chief of Mines Inspector

Ir. Bambang Susigit, MT.
NIP. 19581116 199103 1 001

PT. BUKIT RAYA SEKAWAN

The Golden Nest B-10
Jl. Perdana Raya, Kedung Badak, Tanah Sareal, Bogor 16164

Contact Us :
Website : www.br-s.co.id
PIC : +62 852-1403-7198 (Rudi Garnadi)
Social Network : PT Bukit Raya Sekawan (Linkedin)