

COMPANY PROFILE

PT. GEO SINERGI UTAMA

• GEOTECHNICAL • ENVIRONMENTAL • GROUNDWATER • CONTAMINATION



Website

www.geosynergy-solution.com

Certified Company Under
PT. GEO SINERGI UTAMA :



ISO 9001
BUREAU VERITAS
Certification



About Us

Established in 2013,

GeoSynergy Solution is a specialized consulting brand operating under the legal entity PT Geo Sinergi Utama. Based in Jakarta, we provide professional consultancy services across Indonesia and Overseas. Founded by experts with international consulting experiences, our company combines global standards with strong local insights. Our team brings proven experience from various projects in Indonesia, Southeast Asia, Australia, and the Middle East — delivering high-quality, reliable solutions tailored to each client's needs.



OUR OFFICE



Location : South Jakarta - DKI Jakarta - Indonesian

- Company Name* : PT. GEO SINERGI UTAMA
- Company address* : Geosynergy Solution (PT. GEO SINERGI UTAMA) Lt 28,
Talavera Office Park, Jl. TB Simatupang Kav. 22-26 Cilandak Barat
Jakarta Selatan, Prov. DKI Jakarta Kode pos : 12430
- Phone Number* : 021 - 8047 - 2095
- WhatsApp* : +62 822-4973-7895
- Email address* : contact@geosynergy-solution.com
- Trade Company* : Support Activities for Mining and Other Excavation, Offshore and Floating Building Construction Industry, Engineering Activities and Related Technical Consultancy, Research and Development in Natural Sciences and Other Engineering Technologies, Water Collection, Purification, and Distribution, Other Management Consultancy Activities, Remediation Activities and Other Waste Management Services, Installation of Heating and Geothermal Systems, Hazardous Wastewater Treatment and Disposal, Foundation and Piling Installation, Construction/Drilling of Groundwater Wells, Site Preparation, Laboratory Testing Services, Support Activities for Oil and Gas Extraction.

OPERATION & LABORATORY



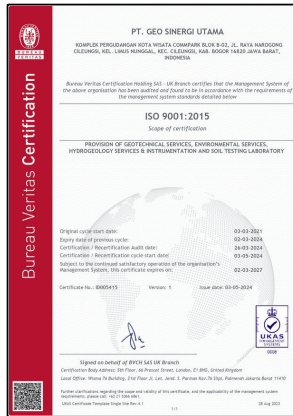
Location : Cibubur - West Java - Indonesian

Company Name : PT. GEO SINERGI UTAMA
Company address : Komplek Pergudangan Commpark Kota Wisata Blok B.02, Kota Wisata
Cibubur, JL. Narogong Cileungsi, Kec.Cileungsi Bogor Jawa Barat
Kode Pos 16820
Phone Number : 021 - 8047 - 2095
WhatsApp : +62 822-4973-7895 / +62 813-1986-2242
Email address : e.hadisetyanti@geosynergy-solution.com

Certificate & Legality

PT GEO SINERGI UTAMA

DEED OF ESTABLISHMENT AND OTHER PERMITS



UKAS ISO 9001: 2021



KAN ISO 9001: 2021

PT. Geo Sinergi Utama has been officially certified with ISO 9001:2015 for its Quality Management System, demonstrating its commitment to international standards in delivering consistent and high-quality services. The certification covers geotechnical services, environmental services, hydrogeology services, as well as instrumentation and soil testing laboratory operations. The company holds two valid certifications: one issued by Bureau Veritas Certification Holding SAS – UK Branch, accredited by UKAS (United Kingdom Accreditation Service), the other issued by PT Bureau Veritas Indonesia, accredited by KAN (Komite Akreditasi Nasional – Indonesia). These certifications affirm PT. Geo Sinergi Utama's adherence to global and national quality standards, ensuring reliable, professional, and continuously improved services.



**GEOSYNERGY
SOLUTION**

OUR MISSION

- To deliver high-quality consultancy services through tailored approaches that combine deep local understanding with international standards
- To integrate global expertise with local knowledge in providing effective, efficient, and value-driven solutions for both public and private sector clients.

- To uphold the highest standards of professionalism, integrity, and work ethics in every aspect of our operations.
- To foster local capacity development through continuous knowledge transfer and meaningful collaboration.
- To continuously innovate in addressing technical and operational challenges with adaptive and forward-thinking solutions.

OUR VISION

“To become a trusted strategic partner in delivering world-class consultancy solutions grounded in integrity, professionalism, and the synergy of global insight with local wisdom, driving sustainable progress across Indonesia and the region”.

OUR GOALS

“This Company Profile aims to introduce GeoSynergy Solution as a trusted mining consultancy and contractor, showcasing our services, expertise, and project experience across Indonesia and Overseas”.

Professionalism

We deliver services with responsibility, reliability, and technical excellence.



Integrity

We uphold honesty, ethics, and transparency in every aspect of our work.



Innovation

We embrace new ideas, technologies, and methods to improve our solutions continuously



Collaboration

We build strong partnerships with clients, communities, and stakeholders to achieve shared goals.



Safety & Sustainability

We prioritize the safety of people and the environment in every project we undertake.



Values

Our Construction Services Offer

GeoSynergy Solution provides consultancy services focusing in mining, oil & gas and construction industries with our capability in geotechnical, hydro and environmental. GeoSynergy is known as sole distributor and applicator for advanced groundwater (Heron Instrument. Inc Canada) in Indonesia.



Mining

We provide integrated services in exploration, open-pit mining, geotechnical engineering, environmental studies, water well drilling, and geochemical analysis to support a wide range of mining and resource development projects.



Oil and Gas

We provide comprehensive services in site investigation, foundation assessment, driveability analysis, offshore cable and pipeline evaluation, environmental assessment, and topographic surveying.



Construction

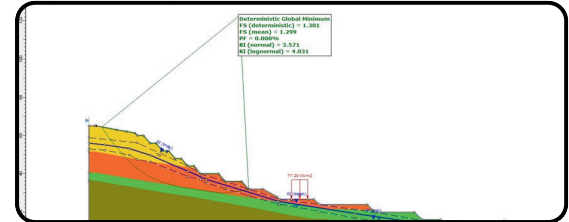
We provide site investigation, foundation assessment, slope stability surveys, soil improvement services, road alignment evaluations, and landfill assessments for a wide range of infrastructure projects.

Engineering Capabilities

GeoSynergy has capabilities in problem solving using most updated engineering tools :

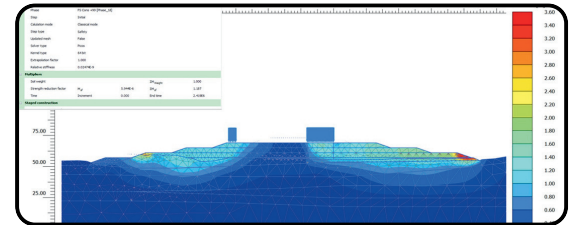
➤ Slope Stability

Slope stability is the study of natural or man-made slopes to ensure they remain stable and safe from landslides, especially in mining, road, and dam areas.



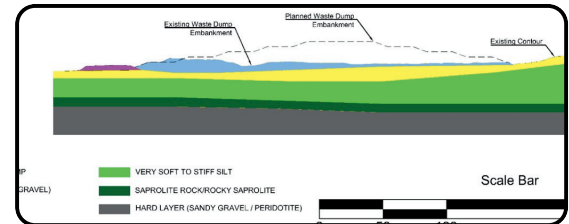
➤ Finite Element Method (FEM)

FEM is a numerical method used to analyze structures or geotechnical systems in detail by dividing them into small elements to calculate stress, deformation, and stability.



➤ Sub-ground Database

A sub-ground database contains information about subsurface conditions (such as soil type, rock strength, and groundwater) used to support engineering design and risk analysis.



➤ Risk Assessment

Risk assessment is the process of identifying, analyzing, and evaluating potential technical or environmental risks in a project to minimize negative impacts.

➤ Foundation Design Engineering

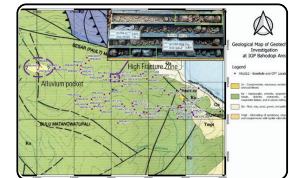
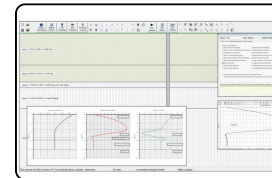
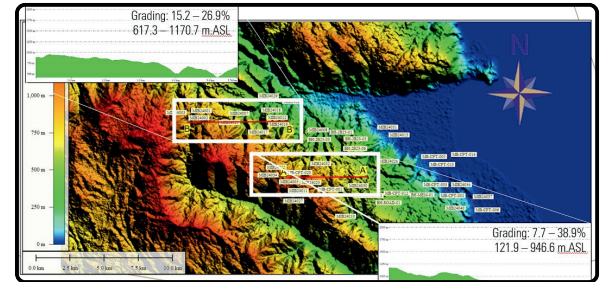
Foundation Design Engineering processes in-situ data into axial and lateral bearing capacity calculation, of which then translated into suitable foundation type and its dimension tailored for each project need.

➤ Hydrologic Leachate Analysis

This analysis evaluates leachate water generated from rainfall runoff on waste disposal areas, aiming to assess the potential for environmental and groundwater contamination.

➤ CAD and GIS

CAD (Computer-Aided Design) is used to create precise engineering designs, while GIS (Geographic Information System) helps analyze and map spatial or geographical data.





Heron Instruments Inc. specializes in the design and manufacture of precision groundwater monitoring equipment. Our product line includes water level meters, interface meters, and data logging systems engineered for accurate, reliable, and long-term field performance.

Established in 1995 with the launch of the H.OIL oil/water interface meter, Heron has grown from a home-based operation into a full-scale manufacturing facility, now employing around 20 staff. Our in-house production capabilities include CNC machining, milling, and etching, enabling rapid prototyping, quality control, and product innovation.

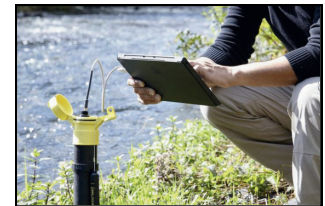
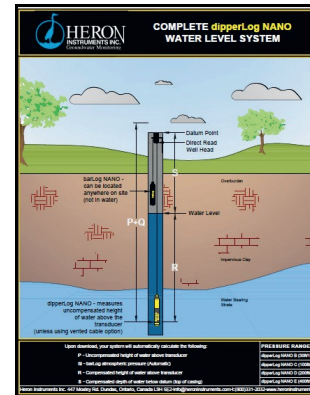
We maintain close ties with local universities through co-op and internship programs, integrating fresh perspectives into our R&D, software development, and design processes.

Participation in industry associations and trade events keeps us aligned with evolving regulations and emerging technologies. Our mission is to deliver high-performance, environmentally responsible, and competitively priced groundwater monitoring solutions.

Groundwater Monitoring Expert

GeoSynergy specializes in groundwater monitoring projects supported by Heron Instrument Inc. Canada. GeoSynergy uses reliable and robust equipment to conduct hydrogeology testing and pumping, long-term groundwater monitoring and contamination monitoring.

The line-up of groundwater monitoring equipment and borehole instrumentation is as listed:



GroundWater Monitoring Instrumentation

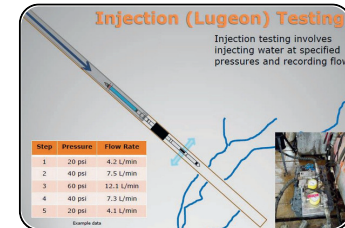


No.	Equipment	Purpose
1	Water Level	Simple groundwater measurement
2	DipperT	Groundwater measurement and raising/falling head testing in well hole
3	DipperLog	Continuous groundwater and advance raising/falling head testing in well hole
4	ConductivityPlus	Measure conductivity in water, showing seepage and different water quality
5	Temperature meter	Measure groundwater temperature difference
6	Oil/Water Interface	Measure standing and thickness of hydrocarbon in groundwater system
7	Magnetometer	Locate abandoned casing or steel material in borehole
8	Depth Indicator	Locate depth of hole while working in onshore or offshore drilling
9	Dipper Tough	Measure contaminated groundwater
10	Camera Borehole Inspection	Provide drilling wall condition (video and picture format)



Geotechnical and Hydrogeology Instrumentation

No.	Equipment	Purpose
1	Inflatable Packer (Swips type)	Packer (Lugeon) Testing
2	Camera Borehole	Borehole and groundwater inspection
3	Hydraulic CPT 5 & 10 tonnes	CPT testing
4	Dynamic Cone Penetration (DCP)	<i>Insitu</i> CBR and bearing capacity
5	Hand Auger	Surface soil sampling
6	Sandcone Density	<i>Insitu</i> density measurement



Camera Borehole



Geotechnical Soil and Rock Laboratory

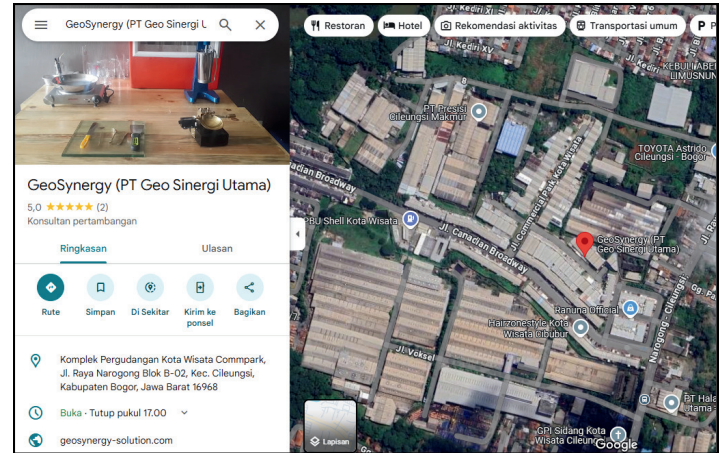
PT. Geo Sinergi Utama is committed to provide high quality soil testing laboratory based on international standard procedures, which include the ASTM Standards. Our laboratory is also equipped with high standard soil testing equipment. Our service includes but not limited to soil classification, soil strength and chemical. We are also committed to continuously develop and update our laboratory facility and standard.



Location Laboratory : Kota Wisata Cibubur, Cileungsi, Kab.Bogor. Indonesian.



Google Maps



Address : Komplek Pergudangan Commpark Kota Wisata Blok B.02, Kota Wisata Cibubur, JL. Narogong Cileungsi, Kec.Cileungsi Bogor Jawa Barat Kode Pos 16820

Email : contact@geosynergy-solution.com

Phone : 021 – 8047 – 2095

WhatsApp : +62 822-4973-7895

Website : www.geosynergy-solution.com

PT. GEO SINERGI UTAMA Laboratory Kendari Branch

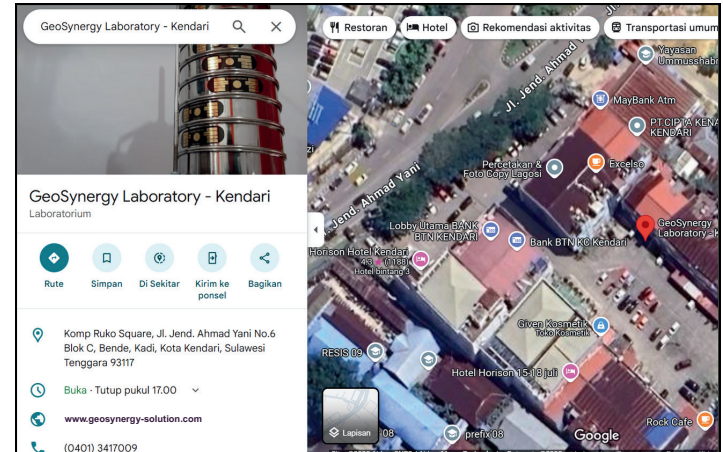
PT. Geo Sinergi Utama is committed to provide high quality soil testing laboratory based on international standard procedures, which include the ASTM Standards. Our laboratory is also equipped with high standard soil testing equipment. Our service includes but not limited to soil classification, soil strength and chemical. We are also committed to continuously develop and update our laboratory facility and standard.



Location Laboratory : Ruko Ahmad Yani Square Blok C No.6, Kota.Kendari, Southeast Sulawesi. Indonesian.



Google Maps



Address : Komplek Ruko Ahmad Yani Square Blok C No.6
Jl. Jendral Ahmad Yani Kendari - Southeast
Sulawesi
Kode Pos 93117

Email : lab.kendari@geosynergy-solution.com

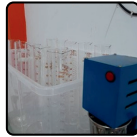
Phone : +62 401 - 3417 - 009

Website : www.geosynergy-solution.com

➤ Laboratory Testing



Organic Content



Hydrometer



Specific Gravity



Water Content Of Soil



Carbonate Content



Sieve Analysis

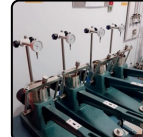


Atterberg Limit

the Standards used for soil physical classification are as follow :

- Water Content Of Soil - ASTM D2216-10
- Particle Size Distribution & Hydrometer - ASTM D422-62
- Particle Size Distribution & Hydrometer - ASTM D421-85
- Specific Gravity - ASTM D854-02
- Atterberg Limit & Plastic Limit - ASTM D4318
- Organic Content - ASTM D2974 - 14
- Carbonate Content - ASTM 4373 - 02

➤ Mechanical Testing



Consolidation/Oedometer Test



Simple Direct Cyclic



Permeability Test



UCS



Triaxial Machine



Direct Shear



Mini Vane Shear



Triaxial Cyclic

the Standards used for soil physical classification are as follow :

- Unconfined Compression Test For Soil - ASTM D2166-06
- Direct Shear CD - ASTM D3080-04
- Consolidation - ASTM D2435-04
- Triaxial UU - ASTM D2850-3a
- Triaxial CU single - ASTM D4767
- Triaxial CD - ASTM D7181
- California Bearing Ratio - ASTM D1883 / SNI 1738-2011
- Point Load - ASTM D5731
- One Dimensional Swell or Settlement Potential Cohesive Soils - ASTM D4546-96
- Compaction Characteristics of Soil Using Modified Efforts - ASTM D1557 Standard Compaction Characteristics - ASTM D698
- Unconfined Compressive Strength and Elastic Modulus of Intact Rock - ASTM D7012
- Shear Test - BS1377-7:1990
- Sandcone Test , for Insitu Testing
- Triaxial Cyclic
- Simple Direct Cyclic

➤ Triaxial Cyclic



"The triaxial cyclic test is performed using specialized laboratory equipment"

INTRODUCTION

This test method covers the determination of the cyclic strength (sometimes called the liquefaction potential) of saturated soils in either intact or reconstituted states by the load-controlled cyclic triaxial technique.

Apparatus

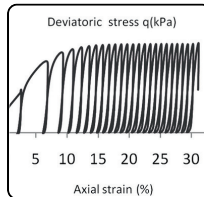
- Triaxial Compression Cell
- Dynamic Loading Equipment
- Recording Equipment
- Valves
- Weighting Device
- Water Deaeration Device
- Testing Environment
- Miscellaneous Apparatus



Triaxial cyclic test



Measuring the specimen



Triaxial cyclic test

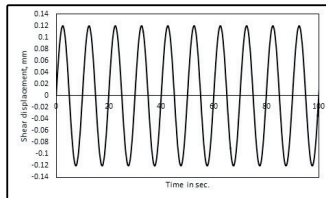
➤ Simple Shear Cyclic



The testing process is carried out using a Simple Shear Cyclic apparatus to evaluate soil behavior under cyclic loading conditions.



Simple Shear Cyclic



Strain Control Cyclic Simple Shear Testing

INTRODUCTION

Cyclic Simple Shear test is used to investigate the dynamic behavior of soils. It has some advantages over the cyclic triaxial testing as loading mechanism better simulates the earthquake conditions. Also the consolidation is anisotropic thereby simulating the at rest conditions in the field. The test is used to study the cyclic response of both the fine grained and coarse grained soils. The cyclic behavior can be investigated either by keeping the vertical stress constant or consolidated height constant during the cyclic loading.

CONCEPT

Cyclic simple shear test has been predominantly used to study the liquefaction characteristics under constant volume drained conditions wherein the any change in normal stress is equivalent to the change in effective stress and is equal to the excess pore water pressure that would occur in an otherwise truly undrained test. Dynamic properties are evaluated in either undisturbed or reconstituted states by using either stress or strain controlled cyclic simple shear device.

OUR EXPERTISE

Our expertise in consultancy services is listed below. Other specialist support such as GIS engineer and CAD drafter are provided on specified work purpose.

IE Andre Irawan , B.Eng, M.Eng, M. Engineers Australia

Andre is the director of Geosynergy Solution. Obtaining his postgraduate degree in Engineering Science from Monash University, Australia, he is an environmental consultant with over 15 years experience in the region of Australia and Indonesia. He has been involved in Phase II and III of large scale contaminated soil and groundwater projects while working in Melbourne. He was also the process engineer for a Groundwater Extraction System (GWES) on one of the sites there. He has managed and conducted Phase I and II Soil and Groundwater Investigation Studies and Environmental Impact Assessment for several manufacturing facilities and oil & gas companies in Jakarta, Indonesia.



DIRECTOR

ir. Alexander Dian, B.Eng, M.AusIMM, M.ISSGE

Alexander Dian is an experienced geotechnical engineer with 17 years' experience in geotechnical and geological engineering for the civil facilities, mining and offshore oil & gas industries. His experience covers site investigation, geotechnical mapping, geotechnical and tunnelling instrumentation, insitu testing, geohazard surveys, geotechnical design for open pit, mining infrastructure, dams, deep foundation design and review, pipeline routes, offshore structures and jetties. Alexander Dian has geotechnical and geological experience in coal, laterite nickel, gold and copper, as well as offshore marine sediments, at various locations across Indonesia, Southeast Asia, Australia and the Middle East.



MANAGER

Extta Hadisetyanti. B.Eng

Extta is a senior geotechnical consultant with 17 years of experience specializing in soil and rock laboratory testing. She has a strong background in earthwork construction and open-pit mining, particularly for nickel laterite and coal commodities. Extta possesses excellent skills in quality control and quality assurance of laboratory data and has demonstrated significant growth in conducting field investigations and in-situ testing.



MANAGER

PROFESSIONAL TEAM

PT. GEO SINERGI UTAMA



Alex Bobby Setiawan, S. T. Aff.M.ASCE

**Senior Geotech
Engineer**



Sekar Chiara Ayu, S. Si

Geotech Engineer



Aditya Putra Pratama, S.T.,M. Eng

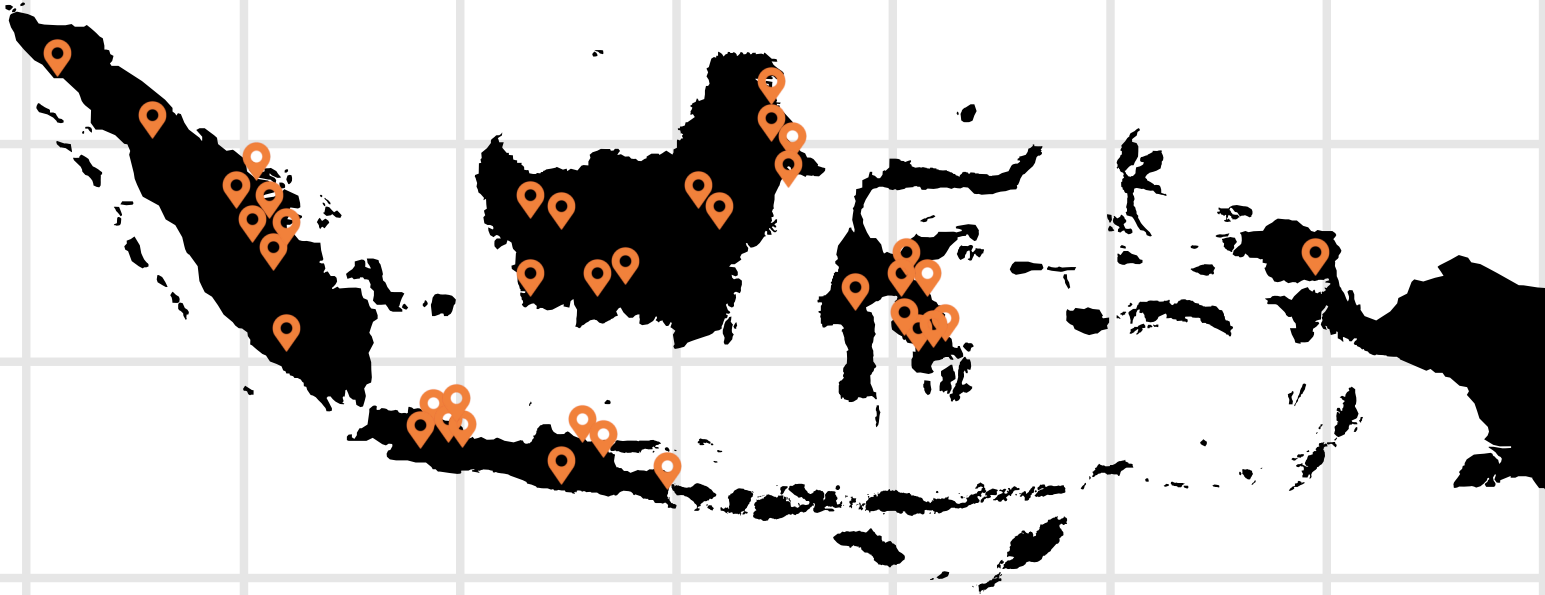
**Senior Geotech
Engineer**

Our Client in Indonesia & Overseas



**GEOSYNERGY
SOLUTION**

Maps Project in Indonesia & Overseas



Project Overseas

Thilawa, Myanmar

Ma'aden Jeddah, King of Saudi Arabia

Expertise Experience

Our expertise experience has been involving at some number of experiences in some multi-discipline projects throughout Indonesia and Southeast Asia Region.



Year	Project	Location	Scope of Services
2025	Geotechnical Investigation Pomalaa 2024	Pomalaa, Southeast Sulawesi	Geotechnical Investigation
2025	Soil Investigasi at Jetty Area	River Mahakam, East Kalimantan	Soil Investigation at Jetty Area
2025	1125 Soil Laboratory Works for RMB Coal DF Project	Cileungsi, Bogor, West Java	Sandcone, Speedy Moisture Content Testing
2025	Soil Test for Fuel Storage and ISP42 Area	Lahat, South Sumatra	Soil Test for Fuel Storage and ISP42 Area
2025	Geotechnical and Hydrogeology for ATM Coal Mine	Sambarata – East Kalimantan	Geotechnical and Hydrogeology Assessment for Marrang Pit & Puuri Pit at ATM Coal Concession
2024	Geotechnical Investigation for IGP Bahodopi Area	Bahodopi, Central Sulawesi	Geotechnical Investigation For Geotechnical Investigation for IGP Bahodopi Area
2024	Additional Geotechnical for FeNi Project	Bahodopi, Central Sulawesi	Additional Geotechnical for Investigation
2024	Geotechnical Investigation for FeNi Project Bahodopi	Bahodopi, Central Sulawesi	Geotechnical Investigation
2024	Geotechnical and Hydrogeology Assessment for MBI Coal Mine	Melak, East Kalimantan	Geotechnical and Hydrogeological Drilling For MBL
2024	Geotechnical Hydro for MBI Coal Mine	Tana Tidung, North Kalimantan	Geotechnical and Hydro for MBI Coal Mine
2024	Water Well in MIP Mine Area	Lahat, South Sumatra	Water Well in MIP Mine Area
2024	Geotechnical and Hydrogeology Drilling for CNI	Wolo, Southeast Sulawesi	Geotechnical and Hydrogeology drilling
2024	Geotechnical for Tanamalia	Tanamalia	Interim Report for Active Fault Study and Seismic Hazard Assessment in Tanamalia Site Area
2024	Geotechnical Borehole Transmission Line IMIP to IKIP	Konawe, Southeast Sulawesi	Geotechnical Borehole Transmission Line IMIP to IKIP
2024	Geotechnical Investigation for Pomalaa Waste	Pomalaa, Southeast Sulawesi	Geotechnical Investigation
2024	Studi Hidrologi dan Hidrogeologi Bahodopi Blok 2	Bahodopi, Central Sulawesi	Hydrology and Hydrogeology
2024	Geotechnical Investigation for Pomalaa Detail	Pomalaa, Southeast Sulawesi	Geotechnical investigation
2024	Geotechnical and Hydrology Study for SCM Nickel Mine	Konawe, Southeast Sulawesi	Geotechnical and Hydrology Study for SCM Nickel Mine
2023	Landfill Restoration Assessment	Tuban, East Java	Landfill Assessment
2023	Hydrogeology Testing for BSI Banyuwangi	Banyuwangi, East Java	Hydrogeology Testing
2023	Geotechnical Investigation for Towi Area	Kolonodale, Central Sulawesi	Proposed HPAL Site Selection
2023	HPAL Site Selection	Kononodale, Central Sulawesi	Proposed HPAL Site Location
2023	Geotechnical Investigation for Pomalaa Early	Pomalaa, Southeast Sulawesi	Geotechnical Investigation
2023	Desktop and Confirmation Study	Dayun Siak - Riau	Baseline Study for Proposed Landfill
2023	Desktop Study for Proposal HPAL and Dry Stack	Sorowako, South Sulawesi	Geotechnical Investigation
2023	Ground Truth Survey and Study	Bintuni Bay, West Papua	Construction Road to Jetty
2023	Geotechnical Investigation Bahodopi Block 2 & 3	Bahodopi, Central Sulawesi	Geotechnical Investigation Bahodopi Block 2 & 3
2023	East Dike Slope Stability Review	Cileungsi, Bogor, West Java	East Dike Stability Review and Slope Monitoring

Expertise Experience

Our expertise experience has been involving at some number of experiences in some multi-discipline projects throughout Indonesia and Southeast Asia Region.



Year	Project	Location	Scope of Services
2023	South Dike Assessment	Cileungsi, Bogor, West Java	Landfill Assessment
2023	Landfill Assessment Cell 2B (Vol I)	Cileungsi, Bogor, West Java	Landfill Assessment
2023	Monitoring Well Development in Karawang	Karawang, West Java	Monitoring Well Development
2023	Soil Test 2022	Nambo, West Java	Ground Water Depth
2023	Waterwell Drilling #04	Cileungsi, Bogor	Water well Development #04 in PPLI Area
2022	Hydrology and Hydrogeology Study in Pomalaa	Pomalaa, Southeast Sulawesi	Geotechnical Investigation for Pomalaa Early Works
2022	Soil Test for C2BM5A	Cileungsi, Bogor, West Java	Soil Test Construction for Landfill Cell 2B Module 5
2022	Waterwell Drilling #02	Cileungsi, Bogor, West Java	Waterwell Development PPLI Area
2022	Leachate Drilling	Cileungsi, Bogor, West Java	observation during drilling
2022	Geotechnical and Hydrogeology for Proposed Mine Site	Kolaka, Southeast Sulawesi	Geotechnical and Hydrogeology Assessment for Proposed Mine Design in Cerindo Nickel Mine
2022	Geotechnical Investigation for Pomalaa Early Works	Pomalaa, Southeast Sulawesi	Geotechnical Investigation for Pomalaa Early Works
2022	Additional Geotechnical Investigation for Bahodopi	Bahodopi, Central Sulawesi	additional geotechnical investigation to interpret geotechnical condition at site area
2022	OPP Drilling Pomalaa	Pomalaa, Southeast Sulawesi	Geotechnical Investigation
2022	Geotechnical Investigation for Bahodopi Mine Infrastructure	Bahodopi, Central Sulawesi	Geotechnical Investigation for Infrastructure
2022	Geotechnical and Hydrogeology Drilling in Halmahera	East Halmahera, North Maluku	Geotechnical and Hydrogeology Drilling in Halmahera
2022	Geotechnical for Bahodopi Camp & Quarry	Bahodopi, Central Sulawesi	Geotechnical & Hydrogeology Assessment for Quarry
2022	Geotechnical Investigation for Pomalaa Port and	Pomalaa, Southeast Sulawesi	Geotechnical Investigation Findings
2022	Desktop Study for Proposed Smelter	Palu, Central Sulawesi	Geotechnical Investigation at Palu Industrial Park
2022	Geotechnical Drilling for Pomalaa Quarry	Pomalaa, Southeast Sulawesi	Geotechnical Drilling
2022	Pomalaa Mine Infrastructure	Pomalaa, Southeast Sulawesi	Design Mine Infrastructure engineer
2022	Bahodopi Mine Infrastructure and Quarry	Bahodopi, Central Sulawesi	Geotechnical & Hydrogeology Assessment for Quarry
2022	Geotechnical and Hydrology for Bahodopi	Bahodopi, Central Sulawesi	Geotechnical & Hydrologi
2021	Geotechnical Investigation for Jetty Area	Pematala, Southeast Sulawesi	Geotechnical Assessment for Jetty and Facilities
2021	Resistivity Survey, Water Well Drilling and Installation	Cileungsi, Bogor, West Java	Water well development for Landfill Consumption
2020	Resistivity Survey, Water Well Drilling and Installation	Bahodopi, Central Sulawesi	Water well development for Mine Area Consumption
2020	Geotechnical Investigation and Design for Pomalaa MHR (Vale)	Pomalaa, Southeast Sulawesi	Geotechnical Assessment for Main Haul Road in Vale Pomalaa
2020	Additional Geotechnical Investigation for FeNi Smelter Project	Bahodopi, Central Sulawesi	Geotechnical & Hydrogeology Assessment for Smelter Facilities
2020	Geotechnical Investigation for Ore Preparation Plant	Pomalaa, Southeast Sulawesi	Geotechnical Assessment for Ore Preparation

Expertise Experience

Our expertise experience has been involving at some number of experiences in some multi-discipline projects throughout Indonesia and Southeast Asia Region.



Year	Project	Location	Scope of Services
2019	Geotechnical Investigation for FeNi Smelter Project	Bahodopi, Central Sulawesi	Geotechnical & Hydrogeology Assessment for Smelter Facilities
2019	Geotechnical Assessment for Quarry	Pomalaa, Southeast Sulawesi	Geotechnical & Hydrogeology Assessment for Quarry
2019	Geotechnical Assessment for Quarry	Bahodopi, Central Sulawesi	Geotechnical & Hydrogeology Assessment for Quarry
2019	Geotechnical & Hydrogeology Assessment for Underground Coal Mine (Pama)	Central Kalimantan	For Proposed Underground Coal Mine Facilities
2019	Water Well Drilling and Installation	PPLi, Cileungsi, West Java	Water Well Development for Landfill Facility
2019	Hazardous Landfill Study and Design – PLTU Ketapang (PLN)	Ketapang, West Kalimantan	FABA Landfill Study (KLHK Compliance)
2019	Hazardous Landfill Study and Design – PLTU Sanggau (PLN)	Sanggau, West Kalimantan	FABA Landfill Study (KLHK Compliance)
2018	Geotechnical & Hydrogeology Assessment – Block 2	Bahodopi, Central Sulawesi	For Nickel Mine
2018	Geotechnical & Hydrogeology Assessment – Block 3	Bahodopi, Central Sulawesi	For Nickel Mine
2018	Due Diligence for Coal Mine (Open Pit)	Tabang, East Kalimantan	Geotechnical & Hydrogeology Due Diligence
2018	Jetty Design – ATM Coal Mine	Berau, East Kalimantan	Geotechnical Assessment for Jetty Facilities
2018	Open Pit Design – ATM Coal Mine	Berau, East Kalimantan	Geotechnical & Hydrogeology Assessment (JORC Compliance)
2017	Baseline Study for Proposed Landfill	Lamongan, East Java	Geotechnical Investigation & Resistivity Survey
2017	QA/QC for Ground Improvement – MITT Port	Thilawa, Myanmar	Ground Improvement using Deep Cement Mix
2017	QA/QC for Landfill Construction	Bogor, West Java	Including Geomembrane Installation
2017	Soil Testing & Sampling for Earthwork	Bogor, West Java	Sandcone, Speedy Moisture Content Testing
2016	Baseline Study for Proposed Landfill	Bekasi, West Java	Geotechnical Investigation & Resistivity Survey
2016	Deep Foundation Design – Lighting Mast	Thilawa, Myanmar	Foundation Design Review
2016	Field Permeability Testing – Suban 16 Wellpad	Jambi	Hydrology Field Testing
2016	Baseline Study for Proposed Landfill	Karawang, West Java	Geotechnical Investigation & Resistivity Survey
2016	Baseline Study for Proposed Landfill	Riau	Geotechnical Investigation & Resistivity Survey
2016	Soil Testing & Sampling for Earthwork	Bogor, West Java	Sandcone, Speedy Moisture Content Testing
2016	Onshore Geotechnical Investigation – PHENC	Bunyu, North Kalimantan	For Pipeline Alignment & Foundation Design
2016	Ground Improvement Review – MITT Port	Thilawa, Myanmar	Load Transfer Method Review
2015	Coal Mine Development	Berau, East Kalimantan	Geotechnical & Hydrology Assessment
2015	QA/QC for Landfill Construction	Bogor, West Java	Including Geomembrane Installation
2015	Landfill Assessment & Design (Hazardous Waste)	Bogor, West Java	Multidisciplinary Design – Geotech, Hydro & Leachate
2015	Jetty Pile Strengthening – Ramba Station	South Sumatra	Foundation Engineering Supervision
2015	Updated Geotechnical Pit Mine Parameters	Sorowako, South Sulawesi	Geotechnical & Hydrology Assessment
2014	Bridge Foundation Assessment	Tembesi, Jambi	For Bridge Design

Expertise Experience

Our expertise experience has been involving at some number of experiences in some multi-discipline projects throughout Indonesia and Southeast Asia Region.



<i>Year</i>	<i>Project</i>	<i>Location</i>	<i>Scope of Services</i>
2014	Indocement Slope Stability Assessment	Bogor, West Java	Geotechnical Design for Dumping Area
2014	Shell Station Deep Cut Assessment	Jakarta	Design for Underground Tank Facility
2013	Plant Facility Assessment	Bogor, West Java	Environmental Audit
2013	Operating Coal Mine	East Kalimantan	Acid Mine Drainage Assessment

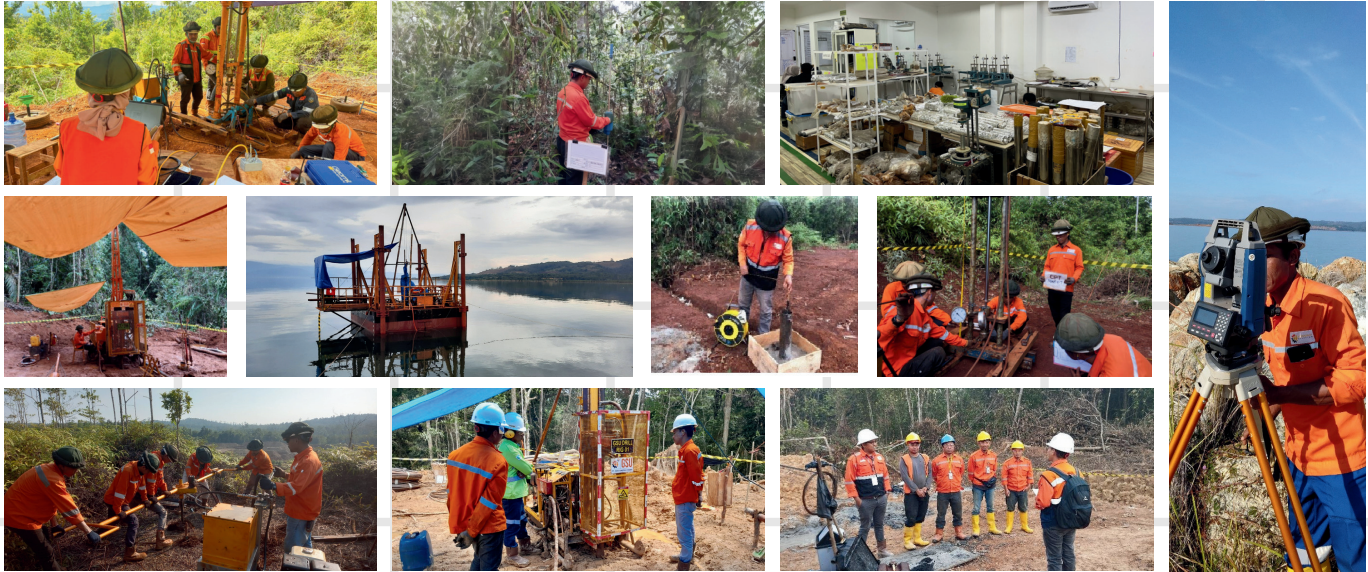
Conclusion Project

With extensive experience in various multi-disciplinary projects across Indonesia and Overseas, PT. Geo Sinergi Utama (Geosynergy Solution) has consistently demonstrated its technical expertise and commitment to excellence. Our proven track record reflects our ability to deliver high-quality engineering and consulting solutions, tailored to meet the complex challenges of geotechnical, environmental, and mining-related projects. Moving forward, we are dedicated to continuous innovation, sustainable development, and building long-term partnerships that create lasting value for all stakeholders.



Project Gallery

PT. Geo Sinergi Utama





**GEOSYNERGY
SOLUTION**



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