

GEOINDO WORK EXPERIENCE

GEOTECHNICAL INVESTIGATION & ENGINEERING ANALYSIS

SPECIALIST ADVISOR / TROUBLESHOOTER SINCE 2002

| Job Description | Location | Client |
|--|--------------------------------------|---|
| 2009 | | |
| ◇ Drilling Feasibility Study Contractor | Buton, North East Sulawesi | Japex Buton Ltd |
| ◇ Provision of Geotechnical Investigation Services for engineering Design of Access Road , Power Plant and Wellsites | Rajabasa, Lampung | Supreme Energy |
| ◇ Provision of engineering services for Rajabasa | Rajabasa, Lampung | Supreme Energy |
| ◇ Desk study and site visit for survey, geotechnical and civil engineering well sites and access road | Mawar 1& 2, Labi – Brunei Darussalam | Tap Oil |
| 2007 - 2008 | | |
| ◇ Geotechnical investigation and road design | Tanah Grogot, East Kalimantan | Regent Pacific |
| ◇ Geotechnical Services – Landfill site geotechnical drilling investigation | Blang Bintang, Aceh | Meinhardt Infrastructure & Environment Pty. Ltd |
| ◇ Geotechnical investigation and road design | Tanjung Redeb, East Kalimantan | Strike Resources |
| ◇ Geotechnical study for Stockpile Facilities Project | East Kalimantan | Indo Straits |
| ◇ Geological Appraisal (in Association with GMT) | East Kalimantan | Sindo Resources |
| ◇ Buckling Analysis of Thin walled Casing Tube | Pangkajene, East Java | Amerada Hess |
| ◇ Geotechnical Investigation – Blang Bintang New Landfill Site | Blang Bintang, Aceh | Meinhardt Infrastructure & Environment Pty. Ltd |
| ◇ Reconnaissance Survey for Wellpad and Access Road | Jambi | JOB PERTAMINA – HESS JAMBI MERANG |
| ◇ Wellhead Concreting Works at Rembang 1,2 Padi 1 & Tengis | Jati 1, Pati, Rembang 1&2 | Lundin Blora B.V |
| ◇ Geotechnical Investigation | Mandalika Beach, Lombok | Emaar / Trikonex |
| ◇ Maintenance of During Drilling Access Road and Wellsite | Tengis, Central Java | Lundin Blora B.V |
| ◇ Tengis 1 Access Road and Wellsite | Tengis, Central Java | Lundin Blora B.V |

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| ◇ Engineering Design Service for Slim Hole & Access Road | Wayang Windu Geothermal Power Station, Pangalengan- | Magma Nusantara Ltd. |
| ◇ Site inspection | Porong, Sidoarjo | PT. Century Dinamik Drilling |
| ◇ Desk Study and Site Visit – Alternative Site Tengis-1 | Purwodadi, Central Java. | Lundin Blora BV |
| ◇ Elnusa refinery site selection study | Tuban, Serang | PT. Petrotek Migasindo |
| ◇ Site visit in connection with risk assessment | Porong, Sidoarjo | PT. Century Dinamik Drilling |
| ◇ Provision of FSO Anchor Geotechnical Report | Jakarta | Santos (Sampang) Pty.Ltd |
| ◇ Provision of pile driveability study | Ujung Pangkah | Amerada Hess Indonesia Pangkah Ltd |
| ◇ Sebayur coal haulage road survey and design optimisation and calculation of bill of quantities (BOQ, Cut, Fill, culvert etc) | Sabayur, Bengkulu | PT. Core Mineral Indonesia |
| 2005 | | |
| ◇ Engineering, project management & construction of access roads, wellsite and storage for Jatil, Java. | Jati 1, C. Java | Century Drilling / Lundin |
| ◇ Geotechnical investigation plus engineering design for Tengis 1 wellsite, storage & access road. | Tengis 1, C. Java | Lundin |
| 2004 | | |
| ◇ Geotechnical consultant for soil investigation of processing facility, 200 km pipeline & associated infrastructure in swamps of River Nile. | Block 5A, S. Sudan | Petronas |
| ◇ Desk study & site visit for design & costing of access road and well pad. | Cipari, Banyumas, Central Java | Lundin |
| 2003 | | |
| ◇ Specialist consultant to solve embankment failures & instability of river diversion. | Citanduy & Cimeneng Central Java | Black & Veatch |
| ◇ Client representative for offshore & geotechnical investigation for marine terminal. | Jabung, South Sumatra | Petrochina |

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| 2002 | | |
| ◇ Reconnaissance survey for access road & well pad. | Kendeng, Central Java | Coparex |
| ◇ Geotechnical aspects of marine clay. Pile | Pangkah, Surabaya, | Amerada Hess |
| 2001 | | |
| ◇ Site Visit for Preliminary Geotechnical Investigation for Fatumnutu Marble Exploration. | Fatumnutu, East Nusa Tenggara | Oenam Marble Industry |
| ◇ Aggregate Test for Concrete. | Bula, Seram Island | Kufpec (Indonesia) Ltd. |
| ◇ Geotechnical Investigation for Fatumnutu Marble Exploration. | Fatumnutu, East Nusa Tenggara | Oenam Marble Industry |
| ◇ Wellsite Positioning Survey. | Bula, Seram Island | Kalrez Petroleum (Seram) Limited |
| ◇ Site Survey and Soil Investigation for Satelindo Telecommunication Tower Locations. | DKI Jakarta | Enerfra Septadaya Prima |
| ◇ Geotechnical Input to Pipeline Study for FEED for Santa Fe Project. | Jambi, South Sumatra | Kvaerner Indonesia |
| ◇ Geotechnical Engineering Input for Driven Conductor Casing Analysis. | Pangkah | Premier Oil Pangkah B.V |
| ◇ Site Investigation and Supervision during Construction of Oil Wellpad & access road with bridge. | Bengawan Solo River, East Java | Santa Fe/ Devon Energy |
| ◇ Pile Driveability Study Pangkah, PSC, Offshore, Surabaya | Pangkah | Premier Oil Pangkah B.V |
| ◇ Pangkah Monotower Stability Update and Effect of Mudslides | Pangkah | Premier Oil Pangkah B.V |
| ◇ Hydrogeological Investigation at Coats Factory Expansion. | Bogor | Coats Indonesia |
| ◇ Geotechnical Investigation and earthwork design, Ngawi 1 Well Site. | Ngawi, East Java | Coparex Blora B.V |
| ◇ Construction of Ngawi 1, Wellpad, Access Road and Culvert. | Ngawi, East Java | Medco Antareja |

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| 2000 | | |
| ◇ Geotechnical Investigation for North Java Road Improvement, East Java. | Lamongan | Louis Berger International, Inc |
| ◇ Laboratory Testing of Aggregate. | East Java | Louis Berger |
| ◇ Supervision of drilling for Prof. Soedijatmo Toll Road Improvement together with Laboratory Testing. | Jakarta | Pacific Consultant Indonesia |
| ◇ Geotechnical Investigation for BCD Main Facility for oil field development of Jabung Block. | Jabung Block, Jambi, S. Sumatra | Santa Fe |
| ◇ Drainage Design at Lawe-Lawe Oil Terminal. | Lawe-Lawe, East Kalimantan | Unocal Indonesia Company |
| ◇ Onshore & offshore Drag Anchor Site Investigation for LPG Export Vessel. | Jabung Block, Jambi, S. Sumatra | Santa Fe Energy Resources |
| ◇ Geotechnical Investigation for BCD Main Facility for Oil Field Development of Jabung Block. | Jabung Block, Jambi, S. Sumatra | Santa Fe |
| ◇ Desk Study Input and investigation of Pipeline for FEED Study. | Jabung Block, Jambi, S. Sumatra | Kvaerner Indonesia |
| ◇ Cement "G" Class Laboratory Testing. | Bula, Irian Jaya | Kufpec (Indonesia) Limited |
| ◇ Earthworks Design - Cut / Fill Balance BCD Main Facilities. | Jabung Block, Jambi, S. Sumatra | Santa Fe |
| ◇ Slope stability investigation Phase B & design of remedial measures. | Lhokseumawe, Aceh | Exxon Mobil |
| ◇ Slope Stability Monitoring for Sajuna Pit Project. | South Kalimantan | BHP - PT. Arutmin Indonesia |
| ◇ Slope Stability Study at Sajuna, Hanoman, Bima and Abimanyu - Stage 1. | South Kalimantan | BHP - PT. Arumin Indonesia |
| ◇ Slope Stability Study at Sajuna, Hanoman, Bima and Abimanyu - Stage 2. | South Kalimantan | BHP - PT. Arumin Indonesia |

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| 2000 | | |
| ◇ Investigation & Earthworks Design for Rembang 2 Well pad & access road. | Semarang, Central Java | Coparex B.V. / Coparex Sareba B.V. |
| ◇ Thermal Pond No. 2, Drainage Sand Permeability Testing. | Pangalengan, West Java | Sumitomo Corporation |
| ◇ Water Well Level and Groundwater Level Monitoring at Thermal Pond No. 2. | Pangalengan, West Java | Sumitomo Corporation |
| ◇ Laboratory Testing for Aurora Gold Project. | Kalimantan | PT. Indomuro Kencana |
| ◇ Survey, Geotechnical Investigation, Hydrological Study Earthworks / Pavement Design Drawings and Construction Control. | Tomia Island, Sulawesi | Wakatobi Resort / R.S. Greenmaster |
| ◇ Geotechnical Study and Investigation for Rig Foundation Design Services IPAS No. 455310. | Badak, Semberah, Mutiara Field, Kalimantan | Vico Indonesia |
| ◇ Geological Mapping and Laboratory Testing for Fatumnutu Marble Exploration. | Fatumnutu, East Nusa Tenggara | Oenam Marble Industry |
| ◇ Geotechnical Investigation for 6 No. Telecommunication Tower Locations in Jakarta. | Jakarta | Tiara Lilin Indonesia |
| ◇ Seram Oil Field Production Facilities and Infrastructure Development, Landsliding and Other Geotechnical Problems. | Seram Island | Kufpec (Indonesia) Limited |
| 1999 | | |
| ◇ Laboratory Testing and Geotechnical Report for Slope Stability. | Bangka | Kobatin |
| ◇ Laboratory Testing for Aggregates at Wayang Windu Geothermal Project. | Pangalengan, West Java | PT. Diwangkara Dharma |
| ◇ Schmidt Hammer Calibration at Wayang Windu Geothermal Project. | Pangalengan, West Java | PT. Duffill Watts Indonesia |
| ◇ Underground Services investigation. | Jakarta | American Embassy |
| ◇ Preparing Technical Proposal for Consulting Services for Indonesian Geotechnical Material and Construction Guides Stage II 1999 – 2000. | Jakarta | BCEOM - French Consulting Group |

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| 1999 | | |
| ◇ Regional Geological Mapping and Access Road Route Selection at Bengkulu Coal Exploration - Stage 2. | Bengkulu, South Sumatra | PT. Samaktha Baratama |
| ◇ Site Visit for Rig Pad after landslipping. Redesign at Korinci - Baru Block. | Central Sumatra | Santos Asia Pacific Pty. Ltd. |
| ◇ Desk Study, Site Reconnaissance Visit & geotechnical assessment for Jabung Block Oil Development. | Jabung Block, Jambi, Sumatra | Santa Fe Energy Resources Companies |
| ◇ Geotechnical Investigations and Hydrological Study for Betara Staging Area, for LPG Plant Geragai and Process Plants at two other locations. | Jabung Block, Jambi, Sumatra | Santa Fe Energy Resources Companies |
| 1998 | | |
| ◇ Geotechnical consultant for design of new ADB funded airport, Kuala Namu in Medan. | Medan, North Sumatra | PCI Asia |
| ◇ Site Visit and Desk Study for Coal Exploration - Stage 1, Bengkulu. | Bengkulu, South Sumatra | PT. Samaktha Baratama |
| ◇ Geotechnical Investigation for Pond No. 2 at Wayang Windu Geothermal Project. | Pangalengan, West Java | PT. Duffill Watts Indonesia |
| ◇ Soil Investigation and Aggregate Testing for Wayang Windu Geothermal Project. | Pangalengan, West Java | PT. Duffill Watts Indonesia |
| ◇ Soil Investigation for the Access Road for Wayang Windu Geothermal Project. | Pangalengan, West Java | PT. Duffill Watts Indonesia |
| ◇ Insitu, Density and Compaction Testing for Wayang Windu Geothermal Project. | Pangalengan, West Java | PT. Duffill Watts Indonesia |
| ◇ Soil Investigation of Ring Road for Wayang Windu Geothermal Project. | Pangalengan, West Java | Sumitomo |

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| 1998 | | |
| ◇ Geotechnical investigation for alternative Power Station Sites at Dieng Power Station Project i.e. Location I, J1 and J2. | Dieng, Central Java | California Energy |
| ◇ Geotechnical Assessment for Ciawi Sukabumi Toll Road Project. | West Java | Rendel Palmer & Tritton |
| ◇ Landslide Monitoring for Patuha Geothermal Project. | Patuha, West Java | California Energy |
| ◇ Slope Stability at Patuha Geothermal Project. | Patuha, West Java | PT. Kiewit Holt Indonesia |
| ◇ Trial embankment & Settlement Monitoring : Cooling tower Unit 1 for Patuha Power Station Project. | Patuha, West Java | PT. Kiewit Holt I ndonesia |
| ◇ Geotechnical Investigation for Dieng 2 Power Station, Dieng Geothermal Power Project. | Dieng, Central Java | PT. Kiewit Holt I ndonesia |
| ◇ Laboratory Testing of AP 200 Aggregates for Wayang Windu Geothermal Project. | Pangalengan, West Java | PT. Ekamulya Jati |
| ◇ Quality Control for Sand Backfill to Turbine Generator Foundation : Area A, Wayang Windu Geothermal Project. | Pangalengan, West Java | PT. Total Bangun Persada |
| ◇ Slope Stability studies at Nakula and Sadewa Pits, Satui Mine. | East Kalimantan | BHP – PT. Arutmin Indonesia |
| 1996 – 1997 | | |
| ◇ Soil Investigation for Slope Stability of Stage 1 Development at Saguling Water Front City. | Padalarang, Bandung, West Java | PT. Belaputera Intiland |
| ◇ Geotechnical Investigation for Access Road at Saguling Water Front City, Padalarang, Bandung, West Java. | Padalarang, Bandung, West Java | PT. Belaputera Intiland |
| ◇ Geotechnical Investigation for Bridges at Saguling Water Front City. | Padalarang, Bandung, West Java | PT. Belaputera Intiland |

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| 1996 - 1997 | | |
| ◇ Geotechnical Investigation for Flyover at Saguling Water Front City. | Padalarang, Bandung, West Java | PT. Belaputera Intiland |
| ◇ Desk Study, Site Investigation and Recommendations for Foundation Design for West Java Railway Stations. | West Java | GEC Alstom |
| ◇ Geotechnical Investigation for various proposed Power Station locations at Dieng. | Dieng, East Java | PT. Kiewit Holt Indonesia |
| ◇ Geotechnical Investigation for Power Station Site at Patuha. | Patuha, West Java | PT. Kiewit Holt Indonesia |
| ◇ Saguling Water Front City, Slope Stability Analysis & Interpretative Geotechnical Report. | Padalarang, Bandung, West Java | Mitra Lingkungan Dinamika (MLD) |
| ◇ Supervision & overview of geotechnical investigations for Telecommunication Towers in West Java, Central Java, East Java and Kalimantan. | West Java, Central Java, East Java and Kalimantan | NEC Australia |
| ◇ Soil Investigation for 150 kV. Transmission Power Line (≈ 40 Km) at South Sumatra. | Lampung, South Sumatra | PT. Enerindo Rekasejahtera |
| ◇ Geotechnical troubleshooting for Access Road, Tuban Petrochemical Project. | Tuban, East Java | AEC International Project, Inc. |
| ◇ Preliminary Assessment of the Geotechnical Aspects of Road Construction over peat along the ⇄ 100 km long route | Riau Pulp Mill to Simpang Koran Access Road, Sumatra | PT. Indurendco |
| ◇ Onsite supervision and design for driven pile foundations at Banko Barat Coal Handling Facilities, PT. Tambang Batu Bara, Bukit Asam. | Bukit Asam, Tanjung Enim, Sumatra | PT. Cikoba |
| ◇ Hydrological study and Geotechnical evaluation, analysis and concept geotechnical design engineering for master plan including engineering geological mapping and design recommendations for 1250 ha real estate development at Saguling, Water Front City Development, Padalarang. | Saguling Water Front City, Padalarang, West Java | PT. Belaputera Intiland |

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| 1996 - 1997 | | |
| ◇ Soil investigation, Hydrological study, geotechnical evaluation and slope stability analysis plus design for embankment along main access road. | Dago, Bandung, West Java | PT. Bandung Pakar |
| ◇ Supervision of Earthworks for Resort Dago Pakar Project. | Dago, Bandung, West Java | PT. Bandung Pakar |
| ◇ Geotechnical Review for Design of Ciawi - Sukabumi Toll Road. | Ciawi - Sukabumi, West Java | Rendel Palmer & Tritton / PT. Bukaka + Singapore Piling |
| ◇ Review of foundation design and assessment of retaining wall and deep basement for 25 storey hotel in Medan. | Medan, Sumatra | PT. Arkipuri Mitra |
| ◇ Soil investigation, geotechnical evaluation, slope stability analysis, design and supervision of first reinforced earth embankment built in Bandung. | Dago, Bandung, West Java | PT. Bandung Pakar |
| ◇ Supervision of offshore soil Investigation for TPPI Marine Facilities, Tuban. | Tuban East Java | PT. Indurendco |
| ◇ Survey of 10 No. Traffic Masts in Bandung for Automatic Traffic Control Systems. | Bandung, West Java | Awa Plessey |
| ◇ Soil Investigation and Hydrological Study for three Proposed Dam Sites for Saguling Water Front City. | Padalarang, Bandung, West Java | PT. Belaputera Intiland |
| 1995 – 1996 | | |
| ◇ Management and Supervision of Environmental Baseline and UKL / UPL Studies by ITB for Wayang Windu Geothermal Project. | Wayang Windu, Pangalengan, West Java | Mandala Nusantara |
| ◇ Supply logistic support for exploration team - Wayang Windu Geothermal Project. | Wayang Windu, Pangalengan, West Java | Design Power |

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| 1995 – 1995 | | |
| ◇ Reconnaissance survey, geotechnical mapping and geotechnical recommendations for Power Station location for Wayang Windu Geothermal Project. | Wayang Windu, Pangalengan, West Java | Design Power |
| ◇ Soil Investigation, Geotechnical Analysis and Design Recommendations for pile foundations for Banko Barat Coal Handling Facilities, PT. Tambang Batu Bara Bukit Asam. | Tanjung Enim, South Sumatra | PT. Cikoba |
| ◇ Geotechnical investigation for landslide at Lippo Village and design recommendations. | Lippo Village Karawaci, West Java | PT. Indurendco |
| ◇ Supervision of “ Environmental Geology” study by GTL for Saguling Water front City Development 1250 ha at Saguling, Padalarang. | Saguling Water Front City, Padalarang, West Java | PT. Belaputera Intiland |