

PT. GEOINDO

WINDFARM PROJECT EXPERIENCE

NO.	YEAR	PROJECT NAME	CLIENT	POWER MW CAPACITY (where known)	DESCRIPTION
2022					
1	2022	Garut 1 - Pameungpeuk	RBPN (Vestas company)	200	Preliminary geotechnical investigation for assessment of 5 No. potential windfarm development projects located in West Java, Indonesai.
2		Garut 2 - Cisompet / Cibalong		200	Desk study & GIS, site visit, soil investigation (boreholes, CPT, DCPT and Test Pits), factual & Interpretative Report with recommendations for foundations, earthworks, road access & hardstanding areas, geohazard assessment including seismic, earthquakes, tsunami, flooding, slope stability & landslides, liquefaction.
2019					
3	2019	Sukabumi Windfarm,	UPC Sukabumi Bayu Energi		Nearshore metocean study for potential offloading facility. Assessment of wind, waves, currents, tides and seasonal change effects for sea transportation of wind turbine & tower components from Cilegon to various sites in S. Java
4		Labuhan Haji, East Lombok, NTB	UPC Renewables Indonesia		UAV drone survey of possible windfarm development and Bathymetric survey for potential offloading port in East Lombok, NTB. Bathymetric survey at possible offloading port included bathymetry, tide observation, geodetic control.
2018					
5	2018	Sidrap Phase 2, S. Sulawesi	UPC Sukabumi Bayu Energi	75	Establish geodetic network with GPS observations on 30pairs new benchmarks for Sidrap Phase 2 project prior to start of construction works.
6		West Timor Windfarm Development	Asia Green Capital / Asia Power Development Platform (APDP)		UAV drone survey (1,036 ha) with high resolution imagery, DEM topographic survey and geodetic control with GPS observed benchmarks and Ground Control Points (GCPs) for potential windfarm development project.
7		Tolo 1 windfarm project, Jeneponto, S. Sulawesi	Ale Indonesia	72	Boundary and topographic survey for wind turbine generator areas, hardstandings and access road which had been constructed by PT. Vena (Equis). DGPS geodetic control and total station survey. Checked critical points for tranportation contractor PT. Ale Indonesia. Identified critical points for action on site by civils contractor.

8		Pandeglang, Banten, Java	Equis / Vena	500	Review of UAV drone survey data produced by 3rd party. DEM not reliable. DSM only (trees & vegetation). Need to reprocess and ground truth to obtain reliable data.
2017					
9	2017	Tolo 1 windfarm project, Jeneponto, S. Sulawesi	Ale Indonesia	72	Transportation survey included structural survey & analysis of river bridges for heavy load transportation included bridge surveys using laser scanning and critical point survey for assessment of curves and bends during transport of heavy & awkward shaped loads such as blades and tower components
10		Sidrap Phase 2, S. Sulawesi	UPC Sukabumi Bayu Energi	75	UAV drone survey (2,171 ha) with high resolution imagery, DEM topographic survey and geodetic control with GPS observed benchmarks and Ground Control Points (GCPs) for second phase development of the Sidrap windfarm energy project
11		Sidrap Phase 1 windfarm project, S.Sulawesi		75	Laser scanning of critical point at bridge and approach road curves for redesign of bridge in town of Pare Pare to allow transport of windfarm components during installation.
2016					
12	2016	Sidrap Phase 1 windfarm project, S.Sulawesi	UPC Sukabumi Bayu Energi	75	Structural survey analysis of bridges & piers at critical points along transportation route to site from Pare Pare to Sidrap Phase 1 location. Included laser scanning and concrete testing.
13					Bathymetric survey and current measurements at dredging area in front of Pare Pare berth for offloading of windfarm components
14		Ambon, Seram, East Indonesia NTB		50	Bathymetric , geodetic control, UAV drone, topographic and structural survey for small grid windfarm project (421 ha)
15		Kupang, W. Timor, East Indonesia NTB		50	Bathymetric , geodetic control, UAV drone, topographic survey for small grid windfarm project (400 ha)
16		Selayar Island, S. Sulawesi		50	Bathymetric , geodetic control, UAV drone, topographic survey for small grid windfarm project (360 ha)
17		Jeneponto windfarmsite, S. Sulawesi		75	UAV drone survey with geodetic control
18		Pandeglang, Banten, Java		500	Cadastral & land inventory survey. Mapped land owner plots affected by proposed development & undertook questionnaire survey of land owners / land users
19		Sukabumi windfarm project, W. Java		200-500	Bathymetric survey of Ciletuh Bay. UAV drone survey with high resolution imagery, DEM topographic survey and geodetic control with GPS observed benchmarks and Ground Control Points (GCPs) (8500 ha). Included road design with vertical & horizontal alignment fr 2.5 km access road from proposed offloading area uphill through steep terrain to proposed windfarm area.
20					Geodetic control & stakeout for proposed access road for construction team