



GERBANG MULTINDO NUSANTARA

COMPANY **PROFILE.**

ENERGY DEVELOPMENT

Micro Hydro



Power Of Communication



Centralized Power Generation



Solar Home System

INTRODUCTION

PT Gerbang Multindo Nusantara (GMN) is a privately owned company. Basic nature of GMN business is system integrator for particularly renewable energy and energy efficient technologies. In addition, GMN also provides services in consultation, engineering, fabrication, contracting, trading, manufacturing, and maintenance activities with respect to the energy and environment related technologies.

GMN was initiated by a group of professionals who have experiences since as early as 1978 in their specific fields, particularly in the field of solar PV, solar thermal, micro-hydro, biomass and energy efficiency. GMN has officially established on September 2, 1994.

Generally, GMN capability covers 3 (three) main areas as the followings:



Engineering

- Energy supply system, electrical and mechanical design and construction, for private houses, real estates, commercial buildings, and industries.
- Planning for reliable, efficient, and rational energy supply systems for remote applications such as: telecommunication systems, village energy supply, home industries, agriculture processing center, drinking water supply, and public health facilities utilizing locally available energy sources like, solar, micro-hydro, wind, biomass and combination of them.
- Delivery and installation of technical systems utilizing renewable energy sources for communication sectors (i.e. photovoltaic, micro-hydro), such as: base transceiver station (BTS), repeater station, radio communication (e.g. sea navigation, railway crossing, radio beacon, and highway information system), cathodic protection, traffic signaling (e.g. light house, buoy, barrier flasher),
- Planning and supply of system for decentralized power supply systems and rural electrification, such as: stand-alone photovoltaic, micro-hydro power, biomass, wind energy converter, and hybrid power systems.

Energy Management and Conservation

- Walk through energy audits, as well as detailed energy investigation by measurements and/or testing, i.e. to identify the energy saving potentials and measures.
- Feasibility studies for implementation of energy saving measures by the introduction of energy management system and/or energy efficient technologies.
- Maintenance services for energy equipment such as: remote area power supply system (RAPS), air conditioning system (including e.g. : chiller, cooling tower, air handling unit – AHU, and fan coil unit – FCU), and heating system (boiler and heat exchanger).
- Development of computer-based energy monitoring and accounting systems.





Hardware Supply, Delivery and Installation

- Supply of renewable energy components and balance of systems, i.e.: PV panels, solar charge controller, DC/AC inverters, solar-thermal collector, wind energy converter, pico- & micro-hydro turbines, and biomass.
- Delivery and installation of building facilities, like: elevator, escalator and electricity back-up system.
- Supply of energy efficiency systems, such as: Combined Heat and Power (CHP) or cogeneration, and Waste Heat Recovery (WHR) systems.
- Supervision services for energy saving measures and conservation programs.
- Plan and installation of instrumentation system for process control and monitoring of energy conversion systems.

GMN Energy's business focus is on renewable energy services and technologies for sustainable development particularly in the rural areas of Indonesia, through reliable, efficient, and rational energy supply system for the respective clients.



SUMATRAN PROVINCE

- MHP SYSTEM 100 KVA NORTH SUMATERA
- PV OFF-GRID SYSTEM 270 KWP WEST SUMATERA
- PV OFF-GRID SYSTEM 160 KWP JAMBI

JAVA PROVINCE

- PV-WIND HYBRID 2000 WP PANGANDARAN
- PV-WIND HYBRID 20 KWP D.I.YOGYAKARTA
- PV POWERED ELECTRIC CAR CHARGING STATION 2000 WP SURABAYA

EAST NUSA TENGGARA PROVINCE

- MHP SYSTEM 35 KW EAST NUSA TENGGARA

SULAWESI PROVINCE

- MHP SYSTEM 35 KW WEST SULAWESI
- PV-DIESEL HYBRID SYSTEM 150 KWP EAST BORNEO
- PV-DIESEL HYBRID SYSTEM 300 KWP NORTH BORNEO
- PV-DIESEL HYBRID SYSTEM 150 KWP WEST BORNEO

PAPUA PROVINCE

- INSTALLATION OF HOME POWER BANKS WEST PAPUA I
- INSTALLATION OF HOME POWER BANKS WEST PAPUA II
- LTSHE FOR 11 DISTRICT PUNCAK JAYA & TOLIKARA

MALUKU PROVINCE

- OPERATION AND MAINTENANCE FOR POWER AND TOWER EQUIPMENT NORTH MALUKU
- LTSHE 30 WP NORTH MALUKU

Engineering, Procurement, Construction, and System Integration

- EPC and Integration services, including systems of photovoltaic, solar thermal collector, wind, micro-hydro, and biomass.
- Procurement and installation of conversion and energy conservation system, i.e. cogeneration power plant (combined heat and power - CHP), and waste heat recovery utilization.
- Implementation and/or supervision of energy conservation program.
- Procurement and installation of instrumentation system for energy conversion and conservation.





Supply-Installation-Maintenance of Lift /Elevator, Escalator, and Inclined Lift

GMN is also an agent to represent 3(three) globally well-known technology brands, they are:

1. Sicher Elevator Co., Ltd. with brand

As contained in the word "Sicher" --which means "Safe" in Deutsch-- Sicher Elevator Co. primarily prioritizes safety for each manufactured unit and tightly follows the European Standards (EN) for elevators (EN81.1) and escalators (EN115).

Besides their main factory based in Huzhou-China, Sicher Elevator Co. also manufactures in Bremen-Germany, under management of SRH Aufzüge GmbH, to serve domestic and international demands with the popular "made in Germany" quality and reliability.

2. Autors Elevator (Suzhou) Co., Ltd. with brand

Since a cooperation with Spain manufacturer, Suzhou Autors Elevator Co., Ltd has started to intensively served elevator suppliers of respected brands to become Original Equipment Manufacturer (OEM). They now produce and supply elevator-escalator units with their own brand (Autors) to be used in various countries. Autors is ready to compete with more economic price.

3. Suzhou Rhine Lift Co., Ltd. with brand

When conventional elevators and escalators are incapable of reaching mountain tops, going downhill with fault variations, inclining towers or inside non-standard building, Rhine Lift which was established in 1905 in Germany, provides solutions thru Inclined Lift.

Supported by reliable products and professionals with more than 20 years of experience, GMN is confident to serve and fulfill the need of qualified Lift & Escalators, with guaranteed aftersales service, and more reasonable



LEGAL ASPECTS

Name : Gerbang Multindo Nusantara (GMN)
Type : Limited Liabilities Corporation (Perseroan Terbatas /PT)



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Workshop:

Jl. Raya Meruya Ilir
Ruko Taman Kebon Jeruk, Blok A-X/4, Jakarta 11630, Indonesia

Company Domicile

Certificate No. : 125/27.IBU.1/31.73.08.1004/-071.562/e/2017
Issued by : Integrated Administration Service Department of DKI Jakarta
Government, West Jakarta Administration
Date : May 5, 2017

Company Registration

Certificate No. : 9120402701003

Issued by : Ministry of Investment, Indonesia

Date : July 10, 2019

Notary Licenses

Establishment

Notary Officer : Djejem Widjaja, SH.

Act Number : 39

Date : September 2, 1994

Latest Amendments

Notary Officer : Sugeng Suwasono, SH

Number : 02 (Shareholder Circular Decision)

Date : December 05, 2022



ORGANIZATION

In order to work efficient and effective, GMN organizes a simple team structure.

The company is managed by a President Director, and supported by a Marketing Director, Engineering Director, and General Director. To perform a good governance company and to comply with related legal aspects, GMN is actively controlled by a Chairwoman.



Mr. Bambang D. Danarko

President Director

Manages the operational, project development and marketing, and technical aspects to ensure smooth and continue project execution.

He obtained his Engineering Degree on Architecture from the "Sepuluh Nopember" Institute of Technology (ITS) in Surabaya in 1980, He initiated his carrier in the consulting services related with the housing and spatial planning.

In early 90th he became interested in energy field when he involved in GMN project services on energy audit and saving measures in the housing and building sector.

He extended his carrier also in renewable energy particularly solar photovoltaic for both urban (e.g. Solar PV Rooftop) and rural (e.g. rural electrification).



Mr. Asep Saloka

Marketing Director

Valuating and developing marketing strategies, planning and coordinating marketing efforts, communicating the marketing plans to those involved, and building awareness and positioning for our company's brands.

He obtained his Management Degree from the "Ibn Khaldun Bogor" University in Bogor in 1996, In early 20th he became interested in energy field when he involved in GMN project services on energy audit and saving measures in the housing and building sector.

He extended his carrier also in renewable energy particularly solar photovoltaic for both urban (e.g. Solar PV Rooftop) and rural (e.g. rural electrification).



Mr. Nofrizal

Engineering Director

Play an active role in the development and completion of projects, meet and report back to upper management, plan and monitor work schedules and cash flows, and work with multiple and diverse teams. Some of his responsibilities also include aligning engineering activities and projects with company goals and objectives, providing expert guidance and support.

He obtained his Computer Science Diploma from the "Gunadarma" University in Jakarta in 1996. In early 20th he became interested in energy field when he involved in GMN project services on energy audit and saving measures in the housing and building sector. He extended his carrier also in renewable energy particularly solar photovoltaic for both urban (e.g. Solar PV Rooftop), rural (e.g. rural electrification), and telecommunications network.



Mrs. Yasmina Safitri

General Director

Graduated in Associate (Academy) Degree of Computer Engineering from STMIK Jakarta in 1996.

She has applied the knowledge at several IT companies in Jakarta during 1997 to 2008, mostly as sales person and marketing communication. Since 2009, she has started to contribute as project officer in various renewable energy for GMN, and been continuing her support to the company's management.

Assigned as General Director since October 2022, her major roles are in daily operations, comprising human management, general affairs, and finance management.

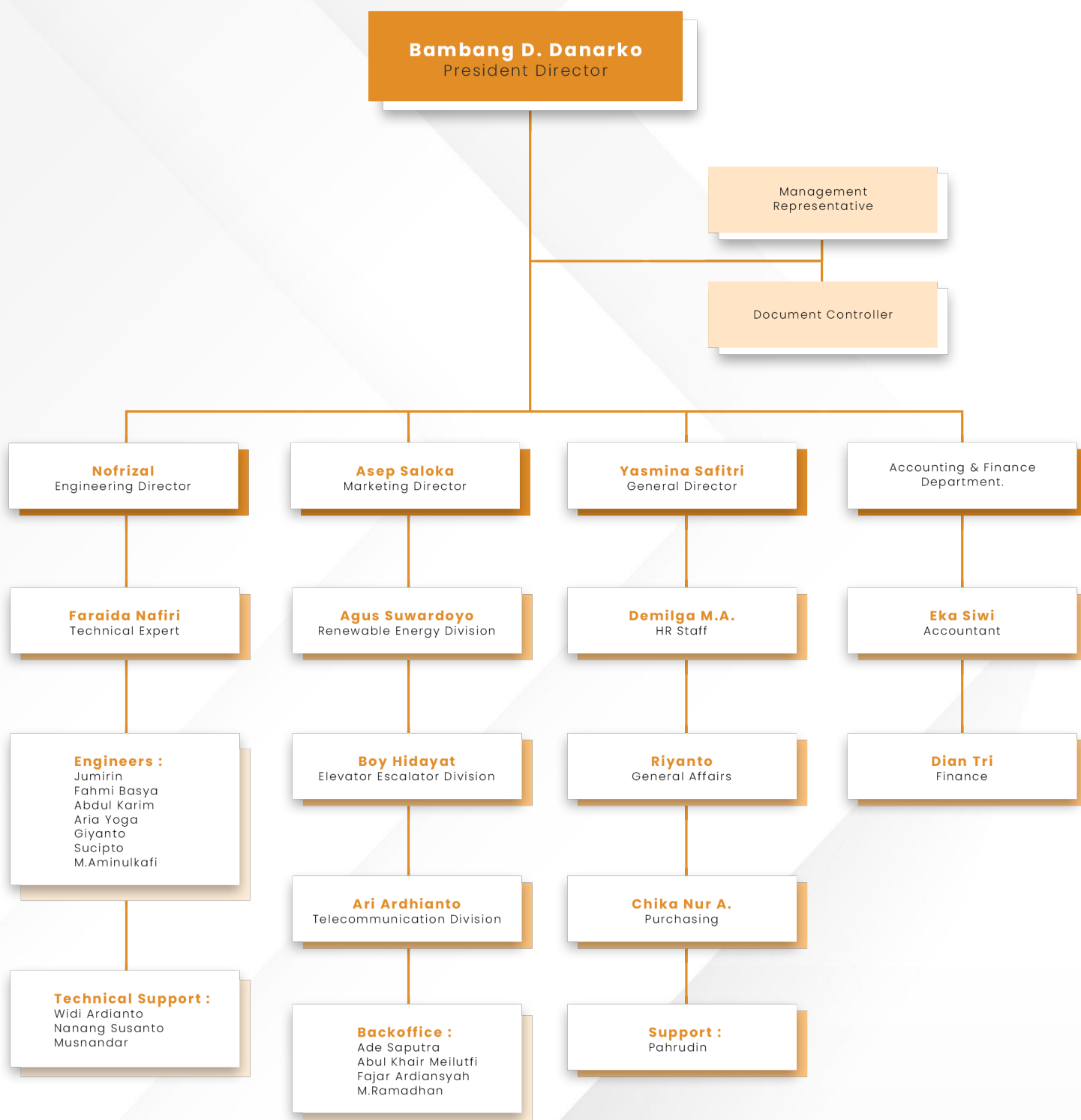


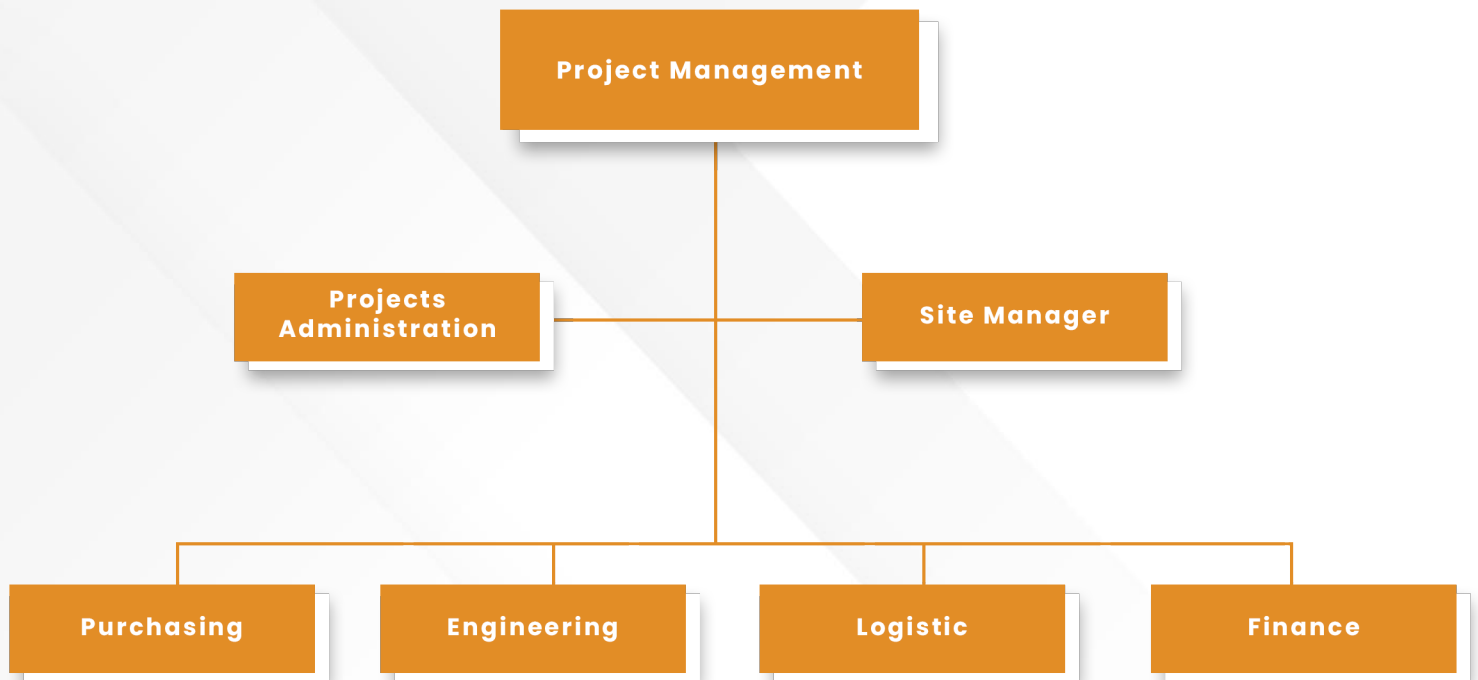
Mrs. Yulia Ernawati

Chairwoman

Supervising the company, giving advices to the board of directors. Supporting company's marketing efforts through her business networking Finding financing options

GMN is supported by 27 (twenty seven) personnel and avail to minimum 30 (thirty) expertise in various fields. The personnel are organized into managerial team, professional sections and specialist/supporting staffs/technicians.





WORK REFERENCES

Installation of home power banks "APDAL" (Alat Penyalur Daya Listrik) for unelectrified villages in Papua and Papua Barat I & II



Client : Directorate General of Renewable Energy & Energy Conservation
Indonesian Ministry of Energy & Mineral Resources (Ditjen EBTKE ESDM)
Location : Papua & West Papua
In cooperation with PT Adyawinsa Electrical and Power & PT Surya Utama Putra

Delivery and Installation of Power and Tower equipment owned by Ministry of Communication and Information (Kem. Kominfo) at North Maluku



Client : PT Surya Energi Indotama
Location : 1. Miaf village, Maba Tengah sub-district
2. Sosolat village, Maba Utara sub-district
3. Patlean transmigration village, Maba Utara sub-district
4. Marathana Jaya village, Maba Tengah sub-district
5. Lolasita village, Maba Utara sub-district
6. Marimoi village, Wasile Utara sub-district
7. Tatam village, Wasile Utara sub-district

**Installation of PLN's Off-Grid PV Power Plant (PLTS Off-Grid PLN)
130 kWp capacity**



Client : PT Surya Energi Indotama
Location : Praimbana Village, Paberiwai Sub-district, Alor District, NTT Province

**Delivery and Installation of Power Equipment Non 3T Solar System Load
Capacity of 500Watt and 1kW in 53 Locations Spread over Kalimantan
Island**



Client : PT Surya Energi Indotama
Location : Kalimantan

Procurement and installation of PLTS On-Grid, PLTS Off-Grid and PLTS SHS at the Jakarta State Polytechnic, Bali State Polytechnic, Manado State Polytechnic, Ujung Pandang State Polytechnic and Akamigas Energy and Mineral Polytechnic



Client : GFA Consulting Group
Location : Manado

Construction of Centralized Solar Power Plants (PLTS) in West Sumatra and Jambi Provinces



Client : Ministry of Energy and Mineral Resources of the Republic of Indonesia –
Directorate General of New, Renewable Energy and Energy Conservation
Location : West Sumatra & Jambi Provinces
In cooperation with PT Surya Utama Putra

Installation of Public Street Lighting (Using PV) Phase II in Riau 2



Client : Ministry of Energy and Mineral Resources of the Republic of Indonesia
– Directorate General of New, Renewable Energy and Energy Conservation
Location : Riau Province

Installation of PJUTS in Indonesia Region I (South Sumatra Province Location)



Client : PT Fokus Indo Lighting
Location : South Sumatra

Construction of a Centralized Solar Power Plant (PLTS) in West Nusa Tenggara



Client : Ministry of Energy and Mineral Resources of the Republic of Indonesia
Directorate General of New, Renewable Energy and Energy
Conservation

Location : West Nusa Tenggara



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