B+B CONSTRUCTION AND GENERAL SERVICES CO., INC

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https://www.bbconstcorpsolar.com/media
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ENGINEERS * CONTRACTOR* DESIGNER CONSULTANT * TRADING AND MAINTENANCES SERVICES
5417 EW Connection General Luna St. Corner Matilde St. Poblacion Makati City.



Who we are

A 100% Filipino company that engage in the General Engineering & General Building Construction, specialize Electro-Mechanical, Automation, Government & Private Infrastructure, Renewable Energy, Humanitarian Development Projects, Telecommunications, IT Infra., Digitalization and other Technologies that can help to boost the National and Local economy.

The company's evolution started from an earlier vision of its founder **MR. VICENTE B. BILANGEL.** He formed the company with four (4) Professional Staff namely: **Engr. Antonio B. Bilangel, Engr. Arlene B. Barquin, Prof. Isidro B. Bilangel, and Martina B. Epia.** Initially, he pursued contracts as Professional Consultant and Project Management for Commercial and Industrial Projects. With his excellent management and supervision, the demand of clientele and prospects were expanded.

In 2002, he re-organized and consolidated his company into a Professional Electrical and Mechanical Engineers and Managers, forming a company, which is known as **B+B CONSTRUCTION AND GENERAL SERVICES CO., INC.**

VISION

We envision a future where the Philippines is powered by sustainable energy and connected by high-speed internet, transforming communities into vibrant, economically resilient, and digitally inclusive hubs.

MISSION

Our mission is to decentralize renewable energy access across the Philippines, delivering clean and affordable electricity to households in remote areas. We strive to ensure modern connectivity by providing high-speed internet, thereby linking communities to essential digital services and opportunities, and fostering inclusive growth and development.

SUBSIDIARES & AFFILIATES COMPANY

DOMESTIC AND INTERNATIONAL



COMPLETED PROJECTS BUILDINGS











MAJOR RENOVATION OF NEW WORLD HOTEL, MANILA
MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION – MEPF
MAKATI AVENUE COR. ARNAIZ AVENUE, GREENBELT, MAKATI CITY



















Electrical Works, Plumbing Works and Fire Protection Works
IC Aquino Ave., Brgy. Libertad, Butuan City





Electrical Works and Plumbing/Sanitary Works – Brgy. Timalan, Naic, Cavite















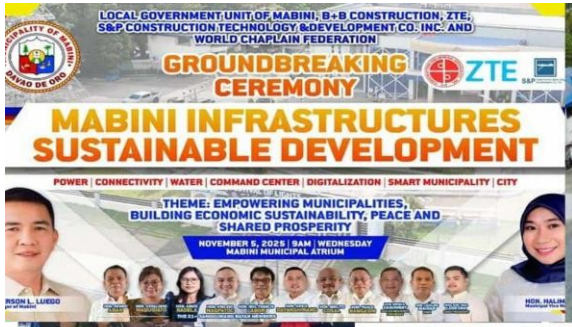








ON-GOING RENEWABLE ENERGY DEVELOPMENT PROJECTS



















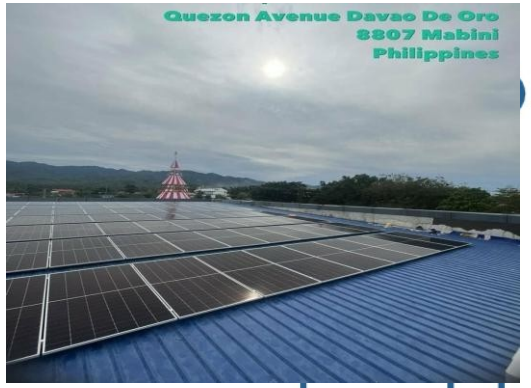






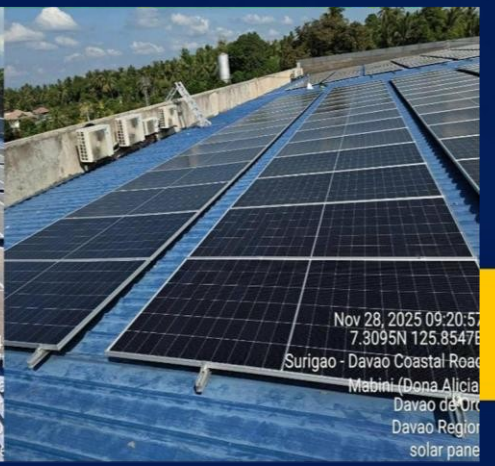














The Project: 7-in-1 Utility Bundle Energy Technology – On-Going Project (Phase 1)

OFF-GRID/HYBRID SOLAR + WINDMILL + BATTERY STORAGE (BESS) + TV PLUS + APPS/DIGITALIZATION + INTERNET WIFI & 100MW DATA CENTER





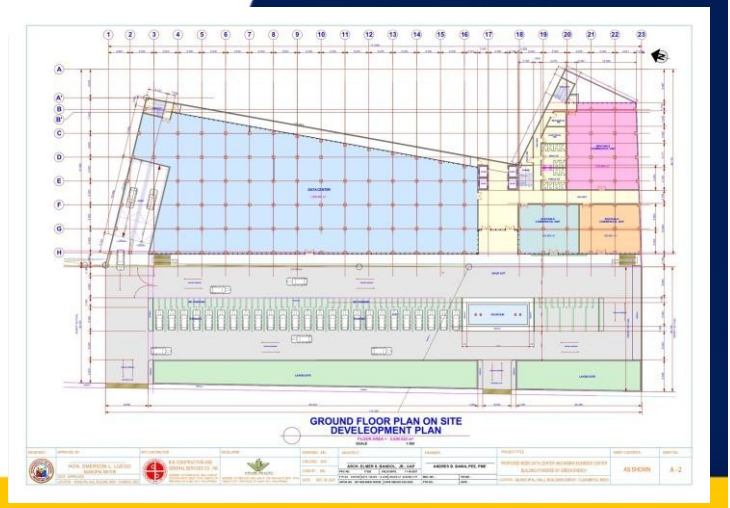












B+B CONSTRUCTION AND GENERAL SERVICES CO., INC.

Humanitarian Development Project

Investment Pitch Deck

PROJECT: 400MW OFF-GRID/HYBRID SOLAR + WINDMILL + BATTERY STORAGE (BESS) + TV PLUS + APPS/DIGITALIZATION + INTERNET WIFI AND 100MW DATA CENTER WITH CO-LOCATION (Phase 1)

(7-in-1 Utility Bundle Energy Technology + DATA CENTER)

ELECTRIFICATION FOR RESIDENTIAL + COMMERCIAL + INDUSTRIAL PLANT + FACTORIES + HOTEL & RESORTS + BPO'S + SCHOOL

UNIVERSITIES/COLLEGES + GOVERNMENT INFRASTRUCTURE BUILDINGS + PORTS & AIRPORTS + DATA CENTER

HIGH-YIELD CLEAN ENERGY INTRASTRUCTURE WITH HIGH-GROWTH MARKETS

B+B CONSTRUCTION AND GENERAL SERVICES CO., INC. DOCUMENTS

SolarMill

The Core Market Problem for Electricity & Communication

1. Geographic Fragmentation, High Dependence on Expensive Imports & Structural Bottlenecks, that heavily protect regional duopolies/monopolies while driving up consumer cost.

--Highest Electricity Rates in Southeast Asia. Rising peak demand threatens local grid reliability, creating extreme power price volatility.

2. Communications & Telecom Market Issues:

--Duopoly Dominance.

--The Archipelagic Divide

--Permitting and Right-of-Way Delays

--Regulatory Weakness of the Government

2. Extreme Fossil Fuel Reliance: Over 75% of the Country's Power Grid Relies on Coal and Natural Gas, Generator Power Plant in Island Areas.

--Fragile Infrastructure and Red Alerts. --System Lost Component.

--Strict new corporate carbon mandates penalize companies relying on traditional heavy emission power.

3. Renewable Energy Intermittency remains a major challenge for Philippine Power Grid.

--Voltage Fluctuations, System Strain, Increased System Costs, Force Outages, Existing pure-play renewable assets lack integrated storage, capping utility-scale off-taker adoption.

2. Strategies & Solutions:

--Mandatory Battery Storage.

--Natural Gas as a Transition Fuel.

--Smart Grid Software.

--Grid Upgrade.

B&B CONSTRUCTION AND GENERAL SERVICES CO., INC.

The Solutions for the High-Cost of Electricity & Solutions for Slow Internet WIFI Signal

150MW Bifacial Solar PV & 50MW Wind Turbine (V-Axis) Off-Grid Installations

--Reduce 30% from current Electric Bill (Off-Grid System or Stand alone, no more, system lost, transmission charges, subsidies and other hidden charges from the grid of local utilities company). Maximizes land-use efficiency and increases energy yield by 25% via ground reflectivity.

Internet WIFI Fastest Solutions:

--Bypass Terrestial Bottlenecks with Starlink, Upgrade WIFI 6 Router, Install an Outdoor Antenne (MIMO/Parabolic), Deploy a Multi-Node Mesh WIFI System, Utilize Dual-SIM Failover Routers.

--Wholesale Internet Signal to Telcos..

200MWh BESS Scalable Rack Mounted

--Bridges the Gap Between Generations and Demand, Establishes System Stability and voltage Regulations, Provides Surge Power for Heavy Equipment & Appliances, Guarantee Autonomy and Total Grid Independence.

--Integrated Battery Energy Storage systems capture peak solar pricing and stabilize grid injection.

10-Year Signed Lease Agreement, MOA & SB Resolution, Renewable for another 15 Years or Option to Buy

--SB Resolution with Guarantee of Payment. Signed MOA with Local Government Unit such as: City, Municipality, Province & Barangay.

--Fully executed Power Purchase Agreement with investment-grade utility eliminates market price risk.

B+B CONSTRUCTION AND GENERAL SERVICES CO., INC. DOCUMENTS

Financial & Project Metrics

(Phase 1)

$2,000,000,000 USD.
OR
€2,000,000,000 EURO.
Total CapEx

16.28%
Target IRR

6 Years
Payback

$333,333,333 USD.
OR
€333,333,333 EURO.
Year 1 EBITDA

B+B CONSTRUCTION AND GENERAL SERVICES CO., INC.
DOCUMENTS

The Investment Ask

Seeking Investment (Phase 1):

$2,000,000,000 – U.S DOLLARS OR

€2,000,000,000 – EUROS.

B+B CONSTRUCTION AND GENERAL SERVICES CO., INC. DOCUMENTS

Allocation of Capital:

- 70% - Procurement of Long-Lead Equipment (Solar Panel, Inverters, Battery (BESS), Wind Turbine Units, Wire & Cables Railings and Accessories, DATA CENTER EQUIPMENT AND ACCESSORIES, Construction Materials & Equipment.
- 20% Mobilization, Site Preparation, Interconnection, & Supports & Consumables and Construction of Civil Works + M&E/E
- 10% Working Labor, R&D, Soft Costs, & Contingency Reserve

EXECUTIVE SUMMARY OF 7-IN-1 UTILITY BUNDLE ENERGY TECHNOLOGY & DATA CENTER

PROJECT: 400MW OFF-GRID/HYBRID SOLAR + WINDMILL + BATTERY STORAGE(BESS) + TV PLUS + APPS/DIGIDTALIZATION + INTERNET WIFI & 100MW DATA CENTER

(7-in-1 Utility Bundle Energy Technology + 100MW DATA CENTER)

B+B CONSTRUCTION AND GENERAL SERVICES CO., INC., provides an integrated off-grid/hybrid energy and connectivity hub for rural Household, Residential, Commercial and Local Government Units (LGUs). Over 43,000 Barangays suffering of unstable power & connectivity here in the Philippines and Over 600 Million people globally lack of reliable electricity and internet. The solution is to install a single pre-packaged of Solar + WindMill + Battery + TV Plus + Apps + Wi-Fi or a 6-in-1 Bundle Energy Technology + DATA CENTER. The value of proposition is 24/7 autonomous power with high-speed satellite, telco or cellular internet.

Market Opportunity & Target Audience: *The unserved population*, off-grid rural homes, commercial & industrial, remote communities lacking traditional grid infrastructures. The agricultural *homesteads*, the farmers needing reliable power and data smart agriculture. *The eco-tourism & remote cabins*, off-grid commercial properties seeking premium amenities. Municipality, Cities and Provinces Regionwide.

Market Size: *The total addressable market (TAM),* in the Philippines is $2 Billion U.S Dollars and $20 Billion U.S Dollars for global off-grid energy market. *The serviceable addressable market (SAM)* for the internet WIFI communications in the Philippines is $1 Billion U.S Dollars and $4 Billion U.S Dollars for digital-rural crossover sector globally. The Philippines on digital economy trends and growth is doubled from $16 billion U.S Dollars targeted projection to $358 Billion U.S dollars and $524.2 Billion U.S dollars across neighboring countries globally.

Customer Benefits & Value Proposition: *Zero-Interruption Power*, hybrid generation balances weather gaps, solar dominates sunny days, wind captures night breezes. *Plug and Plat Setup,* Pre-wired color-coded installations kit, minimal technical expertise required, reduces local setup cost. *Immediate Digital Inclusions,* unlocks online banking, enables remote education access, connect local businesses locally. *Business & Monetization Model,* direct hardware sales, high-margin upfront sales via local micro-finance distributor, *Pay-As-You-Go (PAYG),* mobile-money enabled financing to lower the entry barrier, *Subscription Internet*, recurring monthly revenue from bundled data plans, *Carbon Credits,* monetizing verified greenhouse gas offsets from renewable displacement.

Go-To-Market & Distribution Strategy: *B2B Partnership,* partner with global agricultural cooperatives, contract with local telecom provider, *Micro-Distributor Networks,* train local entrepreneurs for installations, establish village-level services hubs, *NGO & Government Alliances,* bid for rural electrifications tenders, leverage development bank subsidies. Cooperations to the Local Government Units (LGU's), Regionwide.

The HOUSEHOLD ELECTRIFICATION AND COMMUNITY CONNECTIVITY SOLUTIONS (HECCS), Development Projects are not just an investment in infrastructure, they are an investment in the future of the Philippines. The need for funding is urgent to ensure these benefits are realized across the nation, paving the way for a more sustainable, connected and economically resilient country.

OUR 4 KEY TEAM

EXECUTIVE OFFICER



VICENTE BILANGEL, REE,RME, MPA, PHD.

President / CEO

Vic is a Registered Electrical Engineer and Registered Master Electrician, the President and CEO of B+B Construction and General Service Inc., a government and private industry contractor that completed a wide range of projects from hotels, hospitals, airports, and government infrastructure projects. A former instructor of Electrical Engineering Subject, recently he is mentor of CCP BSEE Student on renewable energy. He is currently managing solar power company, property development, trucking services, retail and F&B industry owning a number of bars and restaurants.



DR. PABLITO T. VILLARIN, MBA, PHD

Business Development Management Consultant – B+B CONSTRUCTION

Dr. Lito Villarin is a seasoned pilots and businessman, a former executive director of Urban bank, former Senior Board member & Acting Vice Governor of Laguna, flight instructors, a reserve officers of PAF with the rank of LTC, a multi-awarded most outstanding worshipful master, past worshipful master and past district grand lecturer of free and accepted masons of the republic Philippines, charter president of RC Alabang Corporate Center and gained multiple awards, a member of Lions Club, Jaycees and the fraternal order of eagles –Philippine Eagles (TFOE-PE). He is currently managing the operations of Philippians International Port, Mining's, Real Estate Development, Beach Resorts, International Traders and Recovery of Heritage Assets.

OUR 4 KEY TEAM

EXECUTIVE OFFICER



FEDERICO F. REMO, MBA

Financial Consultant-B+B CONSTRUCTION

Freddie is a development and investment banker having more than 35 years in banking and finance. a former financial consultant of LRTA, DBP Bank officer, a full scholar of DBP for development banking course and a recepient commendation award of DOF, EPZA, a former executive vice president of PHILEXIM, Planters Development Bank, Stateland Investment Corporation, Bear Stearns State Asia and Bear Stearns in New York USA. Freddie earned his BSBA degree from University of the East and Master in Business Administration (MBA) from University of Manila. He is currently the financial consultant of B+B CONSTRUCTION and other business operations such as; LPG project, transportation, mining, hospital and medical center, shipping/roro, Freddie is also an active member of Andres Bonifacio Lodge 199 of free and accepted masons of the Republic of the Philippines.



CAPT. DANTE C. BO, -PH.D, J.D.

Project Director – Domestic & International B+B CONSTRUCTION & GEN., SERVICES CO., INC., Dr. Dante Bo, is seasoned Maritime Management Consultant, Technical Consultant of MARINA, Professor, Management System Auditor, Businessman, A reserve Naval officer force with the rank of Commodore. Dr. Dante Bo, is an active member of Saint Germain Lodge 517 of Free and Accepted Masons of the Philippines. Dr. Dante Bo, earned his Bachelor of Law from UNEP, PhD in Maritime Education Major in Shipping Management, Master of Arts in Maritime Education and Training, Bachelor of Science in Maritime Transportation at PMMA, Electronic Communication Engineering at MIT. He is also an adviser of MIMAROPA for Maritime Affairs.