



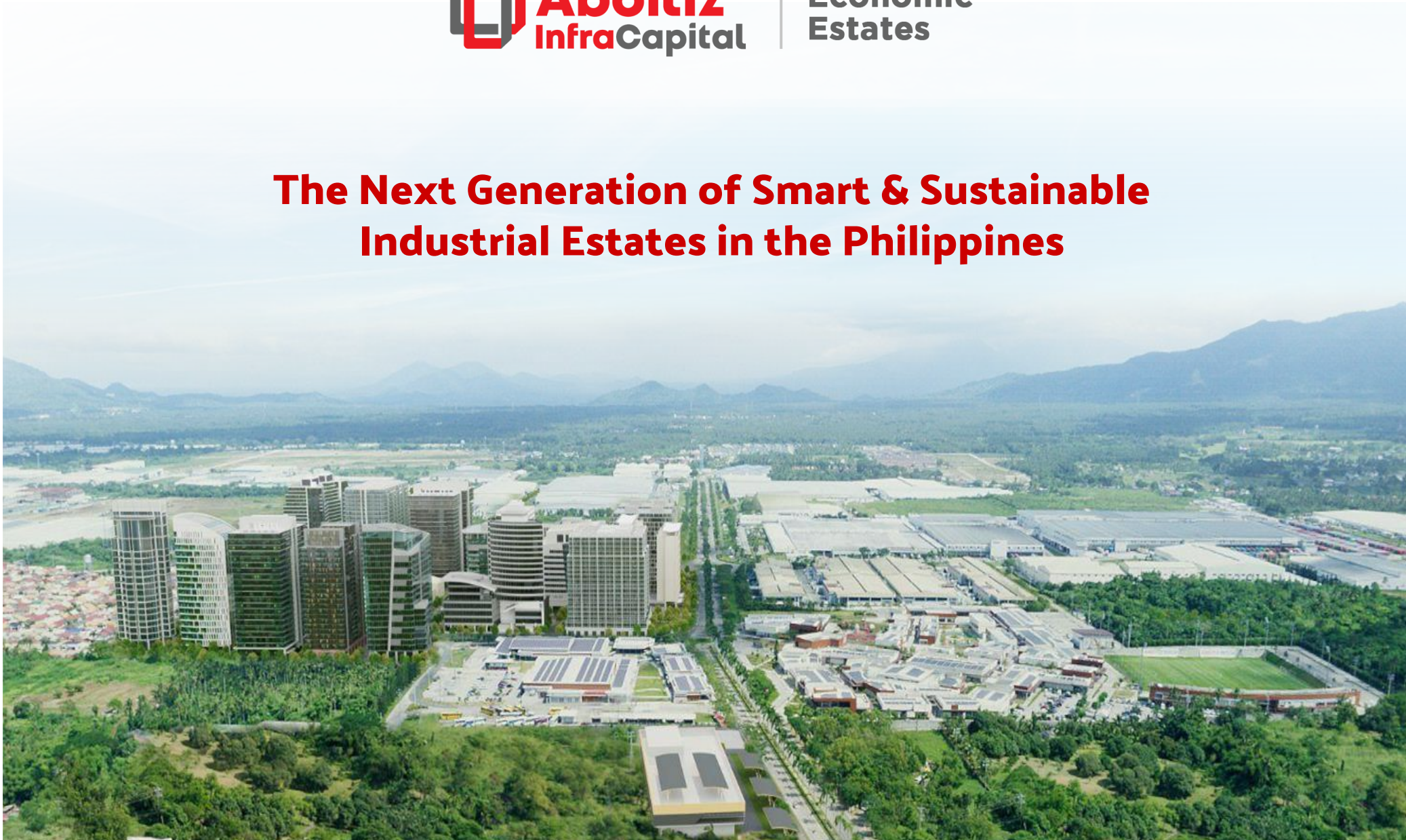
The Next Generation of Smart and Sustainable Industrial Estates in the Philippines

Mr. Jolan Formalejo

Vice President for Inventory Generation Group
Aboitiz InfraCapital Economic Estates

4:50 p.m.

The Next Generation of Smart & Sustainable Industrial Estates in the Philippines



A Member of the Aboitiz Group

Aboitiz InfraCapital is the infrastructure arm of the Aboitiz Group, one of the Philippines' largest and most established conglomerates with over 100 years of doing business.

The Aboitiz Group is consistently recognized as among the best-managed companies in the Philippines and in the region.

aboitiz



POWER



BANKING & FINANCE



FOOD



INFRASTRUCTURE



Enabling Businesses. Uplifting Communities.



CONSTRUCTION



DATA SCIENCE & AI



LAND

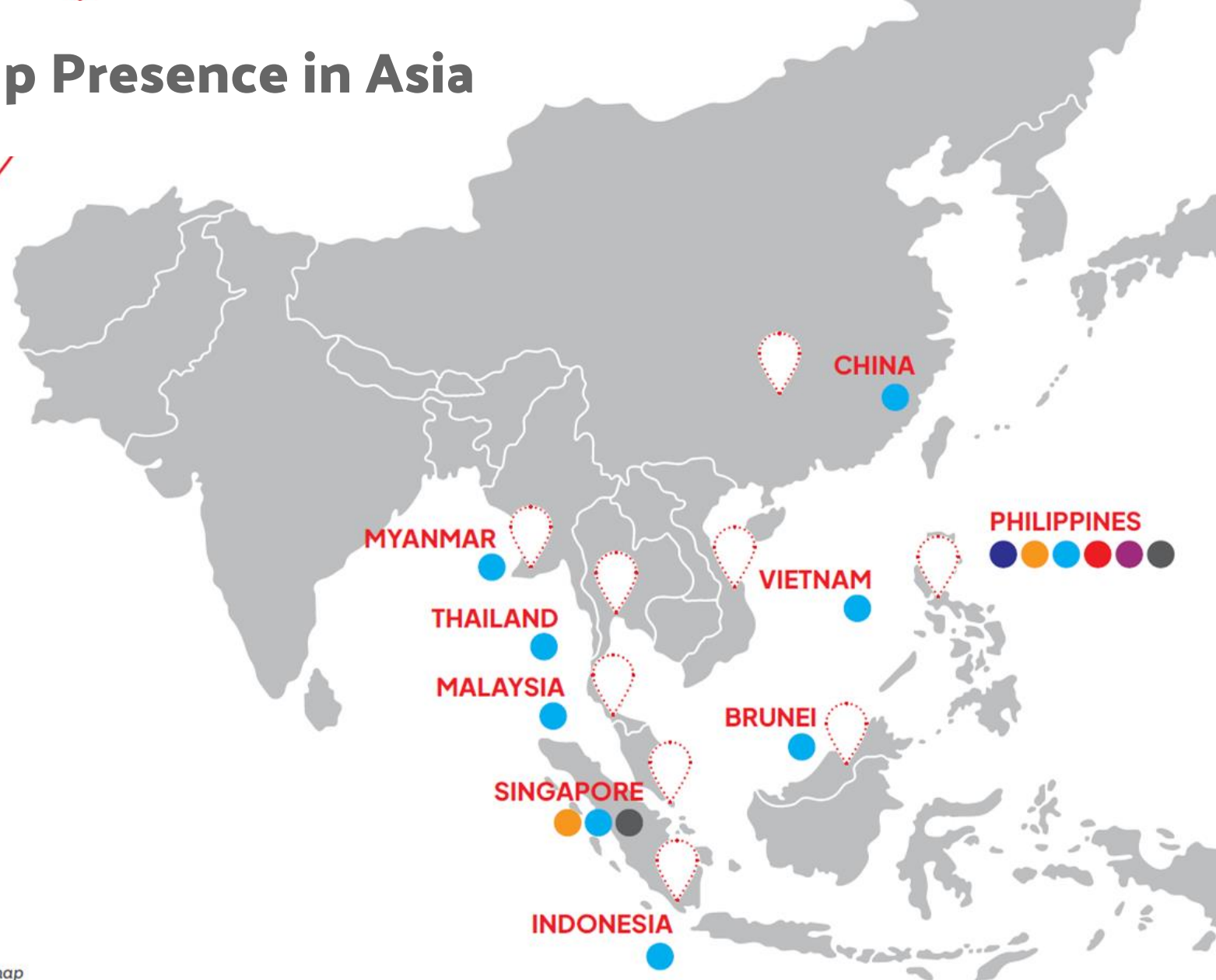


Aboitiz Group Presence in Asia

Legend

Aboitiz Strategic Business Units

- Power
- Banking and Financial Services
- Food
- Infrastructure
- Land
- Data Science



Check www.aboitiz.com for the detailed map of operations of all Aboitiz business units.

Advancing Industries and Life

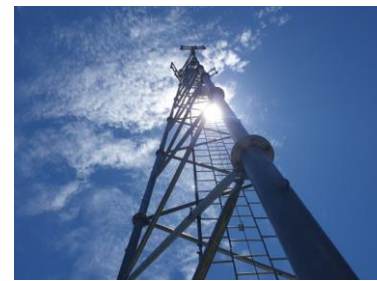
Aboitiz InfraCapital aims to transform lives through purpose-driven and integrated infrastructure facilities and services. We bring about progress in the countryside through our industrial-anchored, mixed-use economic estates.



Economic Estates



Transport & Mobility



Digital Infrastructure



Water



Asia's leading developer and operator of smart and sustainable industrial-anchored mixed use developments



30 years of expertise in developing & operating industrial-anchored estates



1,400 hectares of industrial-anchored estates currently being operated & further developed



200 investors and locators



100,000 jobs generated across Central Visayas and Southern Luzon

An Expanding Nationwide Footprint

LIMA
Estate

LIPA-MALVAR,
BATANGAS

West Cebu
Estate

BALAMBAN, CEBU

MEZ2
Estate

LAPU-LAPU, CEBU

UPCOMING DEVELOPMENTS:

CENTRAL LUZON, VISAYAS,
MINDANAO

Fully-Integrated Economic Estates with Complete Infrastructure Support

Aboitiz InfraCapital Economic Estates leverages on the strength of its affiliates within the Aboitiz Group, one of the country's oldest and largest conglomerates with investments across a number of major industries throughout the country.

Energy



Water



Construction



Housing



Smart City Technology



Government Support



Multi-awarded & Globally Recognized Economic Estates

Three-time Consecutive Winner for Best Industrial Developer in Asia



Aboitiz InfraCapital Economic Estates lead the development and operation of industrial-anchored mixed-use estates in Asia.

Leading the way in Smart & Sustainable Industrial Development: **The Philippines' First and Only Green-certified Industrial Development**



Sustainability & Smart Technology at the Economic Estates



Introduction of Smart City Features

With a focus on sustainable and intelligent growth, Aboitiz InfraCapital Economic Estates spearheads transformative smart city initiatives to cater to an ever-evolving market. Its partnership with Aboitiz Data Innovation and a world-renown urban planner has paved the way for the development of a smart city roadmap that is currently being implemented.



Decarbonization of Estates



Digitization of Processes



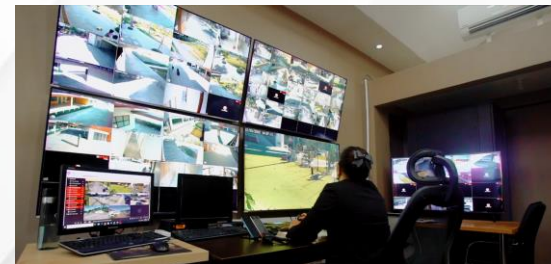
Renewable Energy Systems



Waste Management Systems



Command Center



Energy Generation through Renewable Resources



Aboitiz Power's Enerzone Group operates the Economic Estates' power utilities, providing power and other services to locators and tenants. It partially sources energy from renewable sources, which include geothermal and hydroelectric power.



21% of LIMA EnerZone's total power generation comes from renewable sources including geothermal and hydro



19.26 Megawatts of Renewable Energy is directly delivered by AboitizPower to LIMA Estate's contestable customers



21.5 Megawatts of Solar Energy comes from LIMA locators' roof mounted solar-energy systems



Roof-mounted solar panels at The Outlets at Lipa

Smart Water Networks: Enhancing Resource Efficiency and Operational Performance



Through LIMA Water's Smart Water Network technology, the estate's water facilities became interconnected and intelligent, leading to better operational efficiency & responsible use of natural resources.



Saved **30%** of its operational budget for repairs



Reduced fuel consumption by **20%** for its daily monitoring routine



Maintained a high average facility uptime of **99.3%**



Sewage Treatment Plant



Smart Water Network

First & Only Government-Accredited Environmental Water Testing Laboratory



Affirming our commitment to outstanding water quality testing standards, LIMA Water's Environmental Testing Laboratory is the first & only accredited laboratory of its kind in the Philippines.



Sustainable Design and Construction Practices



Aboitiz Construction provides construction services to the Economic Estates' locators and tenants, and advances the estates' Net Zero Carbon objectives by implementing sustainable construction practices



Slope Stabilization



Reduced Energy Demand through Open Spaces

Existing commercial developments such as LIMA Exchange and The Outlets at Lipa are designed and constructed in an open-air environment to maximize daylight and natural ventilation.



Co-Living space for Locator Employees

With the goal of improving the quality of life for LIMA Estate community members, Aboitiz InfraCapital developed a 600-bed co-living space that will also advance its sustainability targets by reducing the number of vehicular trips required to transport people in and out of the Estate. This 600-bed facility is set for completion on the 4th Quarter of 2023.



Actual Building Photo as of June 2023



Artist's Render

Public Realm Transformation

Decarbonization of transportation is implemented through the enhancement of green scapes and landscapes to improve walkability and bikeability around the Estates.



Adoption of Electric Minibuses

Shifting to electric vehicles form part of our strategy towards Net Zero Carbon. A fleet of Electric Minibuses operates the inter-estate shuttle system within our Estates.



Applying Zero-Emission Objectives in Shipbuilding

Working with West Cebu Estate's Zero-Emission objectives, Tsuneishi Heavy Industries is set to build Kamsarmax, the world's first methanol-fueled bulk carrier in West Cebu Estate. A total of four vessels are set to be delivered by the end of 2025.



Why Aboitiz InfraCapital Economic Estates?



Leadership in smart & sustainable development

Leader and pioneer of smart and sustainable industrial development in the Philippines



Government Support for ease of doing business

PEZA-accredited developments and partnership with relevant government units



Growth & Expansion to Fast-rising Markets

Fully-integrated & master-planned estates that are envisioned to expand to other burgeoning markets in the country



Strategic Location & Accessibility of resources

Strategically located in emerging markets with easy access to resources such as raw materials, manpower, and government assistance



Seamless Industrial Ecosystem Services

Full suite of ecosystem services through Aboitiz Group-affiliated companies in park management, construction, water & power production and distribution, and energy solutions



Expertise & Excellence in Industrial Development

Proven track record and experience in developing industrial-anchored mixed-used estates for 30 years





**Economic
Estates**

Batangas Head Office
Building B, LIMA Square, Business
Loop, LIMA Technology Center,
Special Economic Zone, Malvar
Batangas, Philippines

Manila Office
NAC Tower
32nd Street, Bonifacio Global
City, Taguig, Metro Manila,
Philippines



(0917) 830 9485

(632) 8886-2800



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@aboitiz.economicstates



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