



Company Profile

PT Akartha Energi Baru

January 2025



Indonesia is perfectly positioned to become the “green” energy hub of the world

4th

Most populous country in the world

8th

Largest contributor of GHG emissions

2050-2060

Target for Net Zero Emissions

>30%

Share of renewable energy generation by 2030

~3,686 GW

Renewable energy potential

Abundant

Bio-energy feedstock potential (e.g., palm by-products)

Largest

Nickel reserves in the world with ~21 Mn ton, along with other critical minerals

20-25 Gigatons

of CO2 storage capacity for carbon capture & storage (CCS)

Our Goal | Akartha Energy intends to balance the “energy trilemma”



Energy security

Ensuring energy availability and infrastructure reliability to meet current and future demands



Energy equity

Ensuring accessible and affordable energy for all

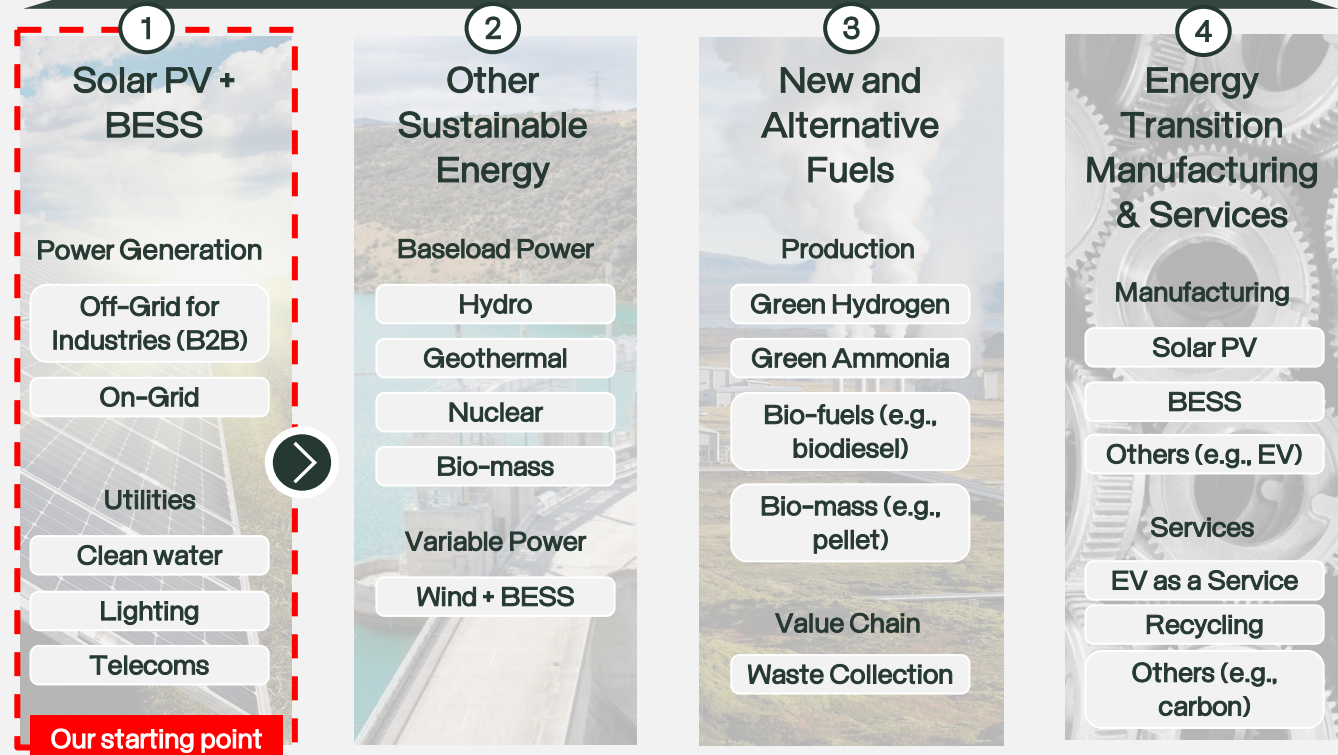


Environmental sustainability

Ensuring sustainable resources of energy supply



Our Strategy Pillar



What makes us unique

Best talent & people

Unparalleled private and public network

Robust access to capital

International footprints & relationship

Impact-driven

Technology and engineering-focused

Youth agility

Our Vision, Mission and Values | Towards Green Growth



Vision

Illuminating lives and powering possibilities for all, sustainably.

Mission

Building an innovative and clean energy portfolio that is reliable, accessible, and affordable.

Values

T

Terpercaya
Trustworthy

Upholding integrity and honesty in every action

U

Unggul
Excellence

Continually striving to achieve outstanding results

M

Manfaat
Impact

Prioritizing positive impacts and meaningful contributions to all stakeholders.

B

Berinovasi
Innovative

Constantly seeking innovative solutions to enhance efficiency and solve problems.

U

Ulet
Resilient

Dedicated to learning, overcoming challenges, and personal growth.

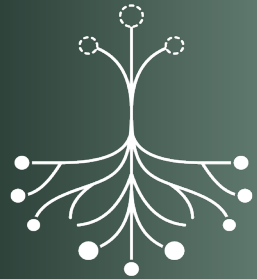
H

Harmonis
Harmonious

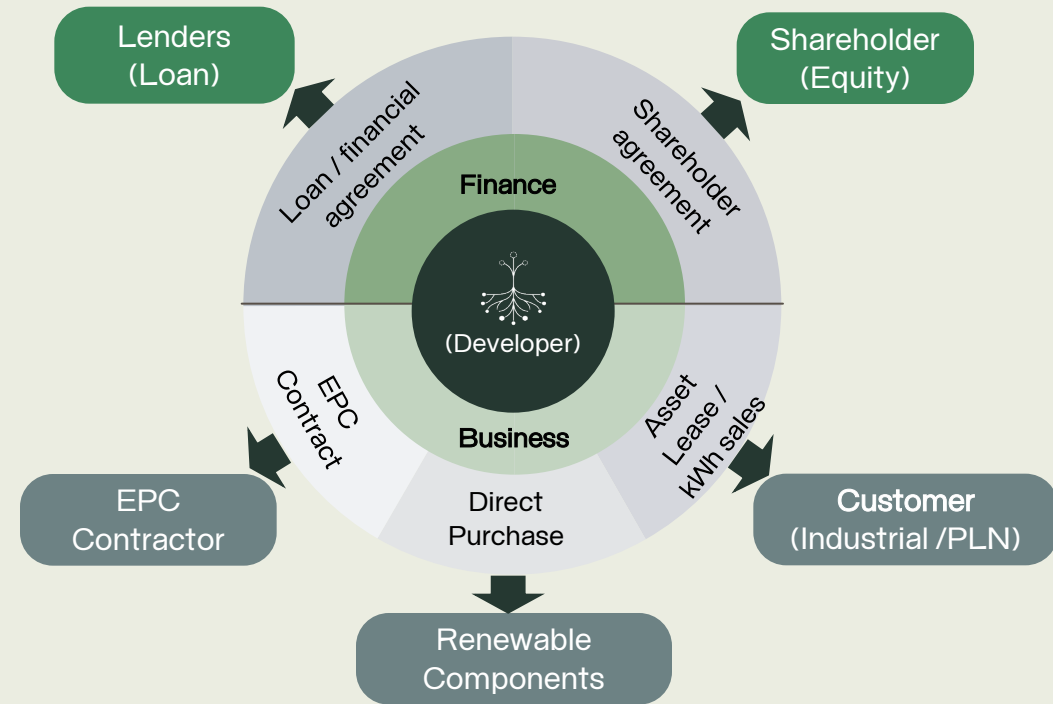
Fostering strong, familial relationships within the team and positive interactions with everyone involved.

Our Business | Akartha Energi Baru starts as a renewable energy developer serving as decarbonization investment vehicle

Akartha Energi Baru delivers renewable energy projects through all stages of development, incl. financing, construction, and operation



What we do

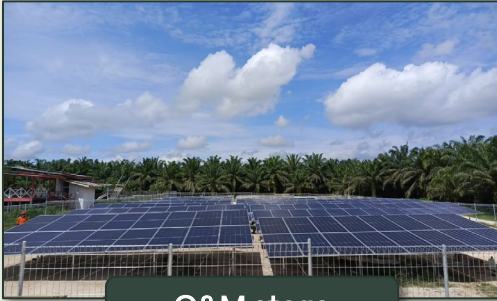


Value for Customer(s):

- **Affordable:** Zero- upfront capital energy solutions for customers. **We own and operate** as contracted.
 - Cheaper electricity cost from Day-1.
- **Sustainable:** ESG-operations with carbon emission savings.
- **Equitable:** Extension of electricity (if unreliable before).

Our Projects | Total of ~23 MW of either installed, operated, or approved solar PV + battery capacity projects

Project Alpha



O&M stage

0.68 MWp ground mounted solar PV power plant 1.95+ MWh BESS total in 4 locations in East Kalimantan

Project Bravo



Dev't stage

2.6+ MWp ground mounted solar PV power plant 9.1+ MWh BESS total in 16 locations in East Kalimantan

Project Charlie



Pre-Dev't stage

2.0+ MWp ground mounted solar PV power plant + 6.4 MWh BESS total in 32 locations in East Kalimantan

Project's Key Highlights

Up to
11%
savings

~7-11% electricity cost savings

Hedging against increasing diesel price

~90%
Reduction

~90% GHG reduction from diesel genset usage

Improved Client's Sustainability Rating by +10 ESG points; increase from "Bronze" to "Silver"

+5
hours

Increased energy reliability

Steady 12 hours of electricity, improvement from 7 hours

Team | Akartha Energy's leadership brings together a diverse range of experiences that spans multiple strategic sectors

Commissioners




Rifqi Syah Putera
President Commissioner

Experience:



MBA | Harvard University
MBA | Dartmouth University
BA | University of Melb. | University of Indonesia




Katyana Gusman
Commissioner

Experience:



MBA | Columbia University
MPA | Columbia University
BA | Tufts University



Katrina Wardhana
Commissioner

Experience:



MArch | Harvard University
BA | Brown University

Directors




Andra Gusman
President Director

Experience:



MBA | Columbia University
BA | Tufts University



Aufar Satria
Director

Experience:



MPA | Harvard University
MBA | University of Cambridge
BE | Institut Teknologi Bandung



Azzara Nursifaa
Director

Experience:



BA | University of Indonesia
BA | University of Queensland

Affiliated Companies



Active Investments:

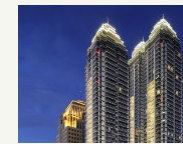


Agriculture

Other Business Industries & Investments:



Media



Property



Energy

And more...

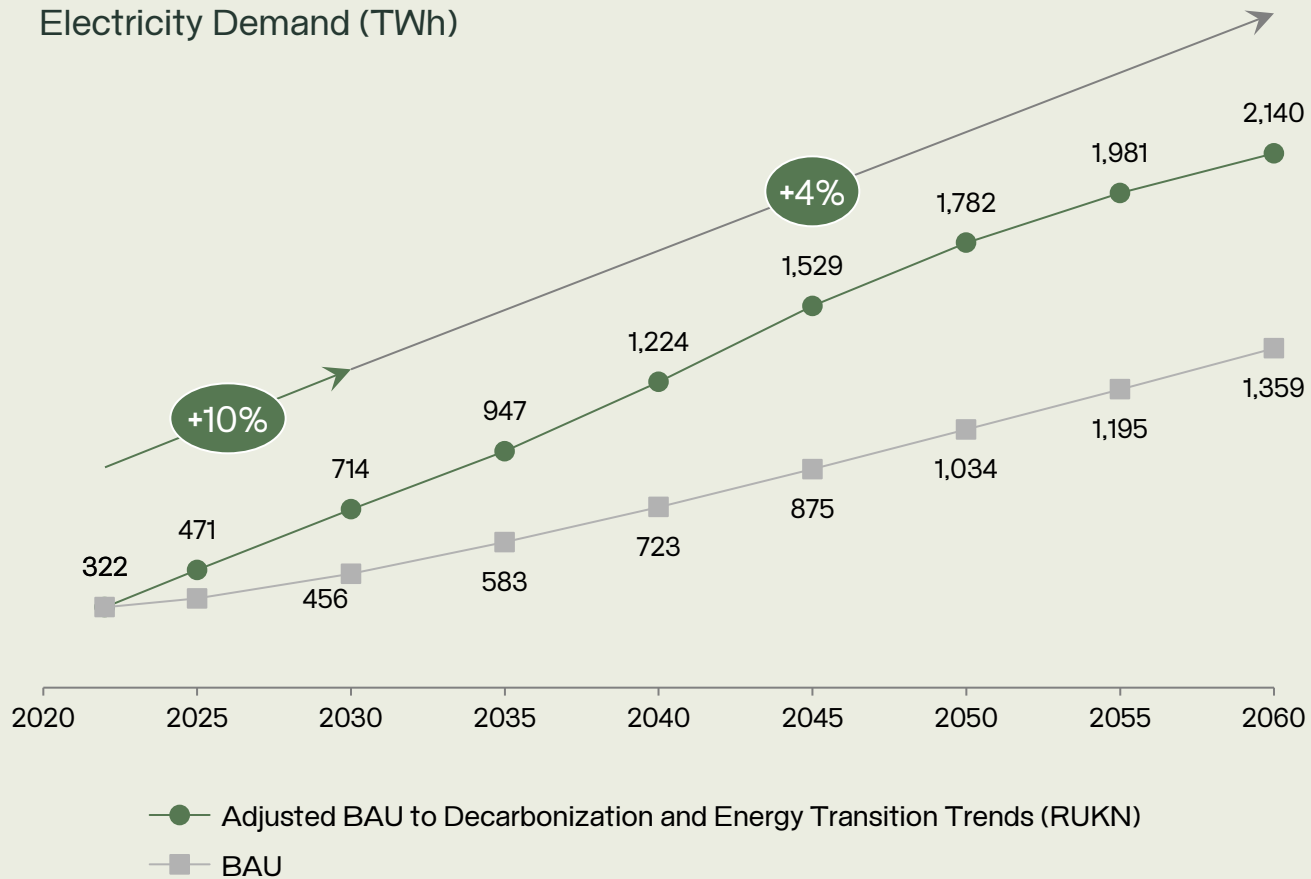


Thank you

Electricity demand is expected to grow at a 10% CAGR until 2030

Electricity demand is expected to grow rapidly until 2030

Electricity Demand (TWh)



Source: RUKN from MEMR (2022)

... driven by economic growth and consumption trends such as:



Energy demand from industrial centers (KI), special economic zones (KEK), and smelters.



Increasing needs for Independent Power Producers (IPPs) to meet the demand from industries supporting the energy transition (e.g., battery production).

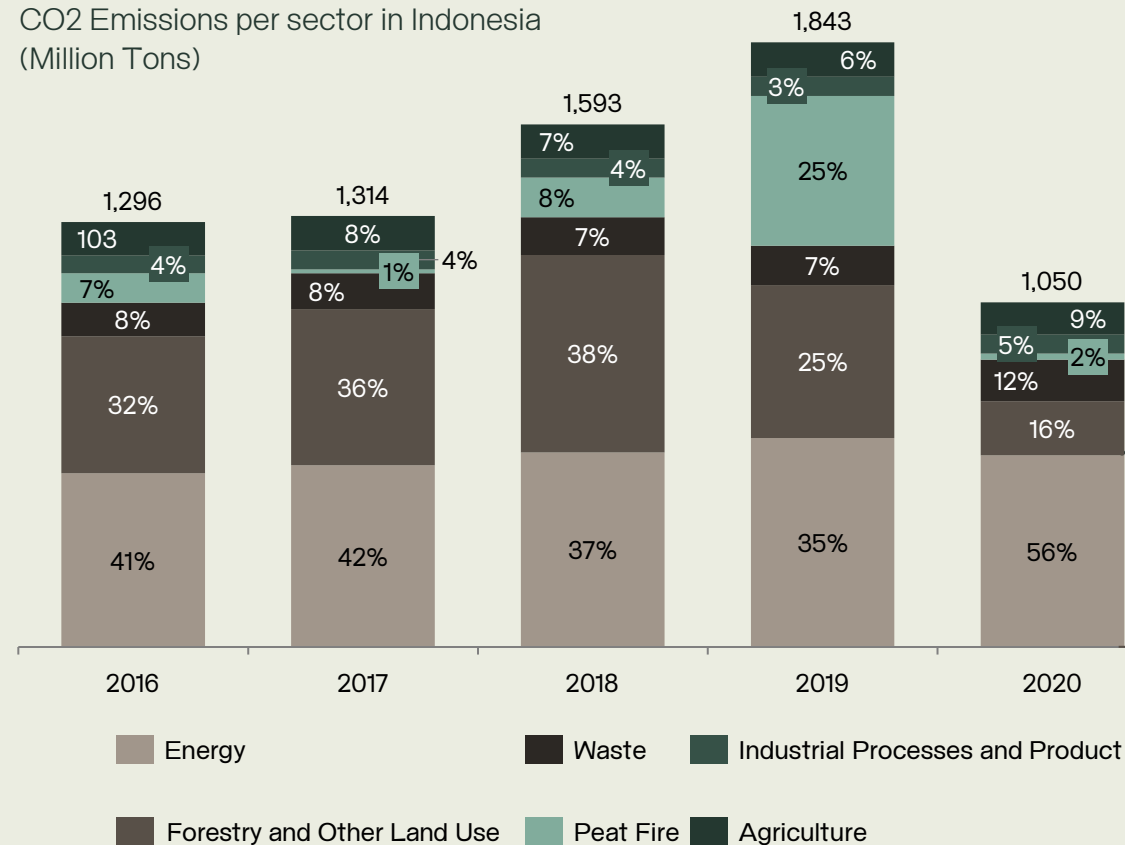


Increasing per capita household electricity consumption with a CAGR of 4.6% from 2022 to 2060.

Energy sector is the largest contributor to greenhouse gas emissions—therefore, a sustainable transition to renewable energy is essential

The energy sector has historically been the primary contributor to greenhouse gas emissions in Indonesia...

CO2 Emissions per sector in Indonesia (Million Tons)



...where electricity contributes the largest CO2 emissions in the energy sector

CO2 Emissions per energy subsector in Indonesia (Million Tons)

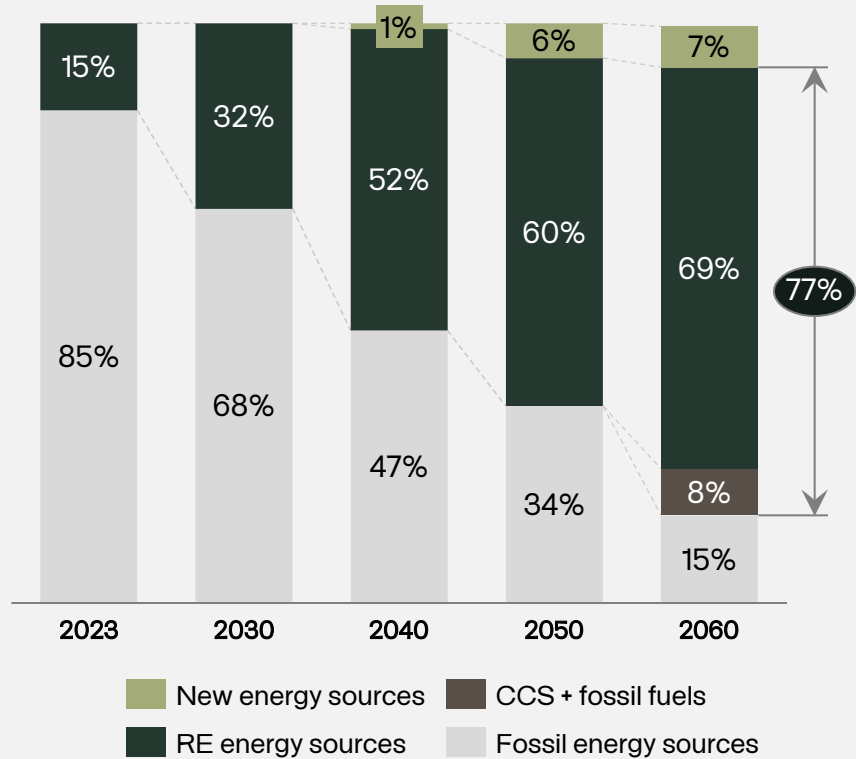


Indonesia needs significant renewable energy sector growth to achieve the Net Zero Emissions target

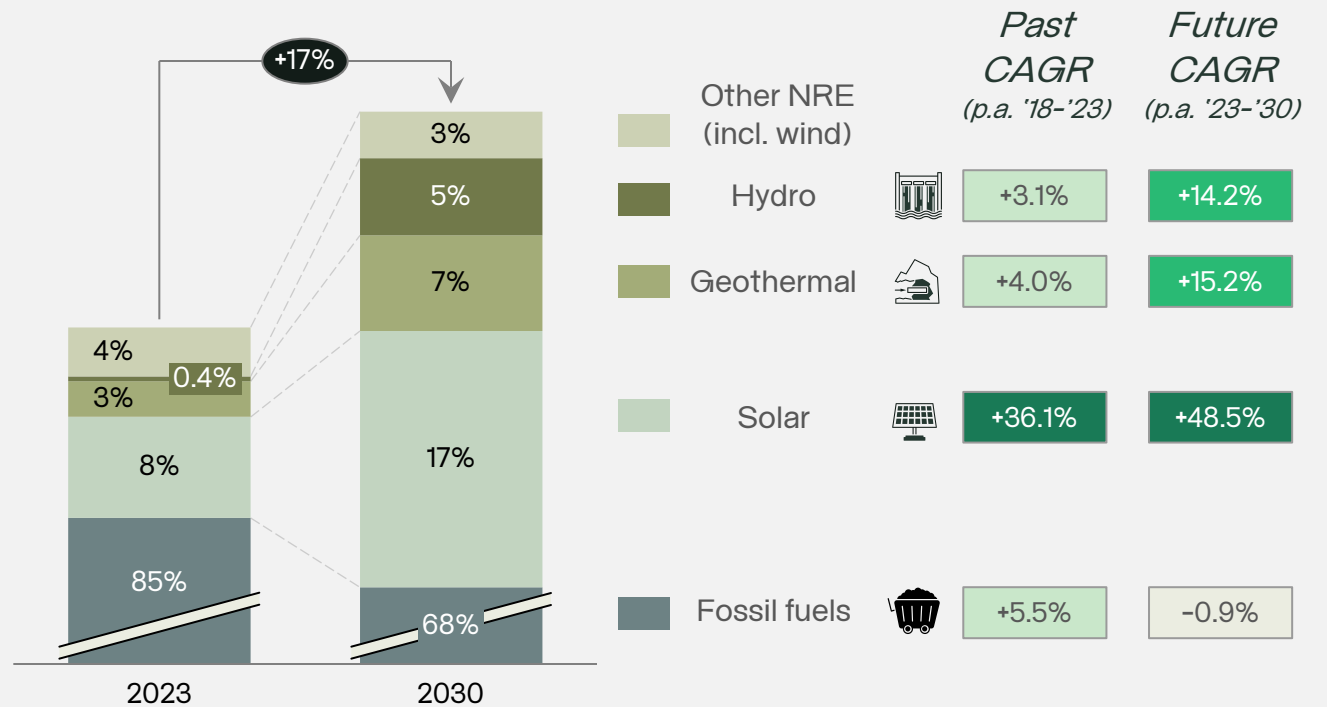
Achieving NZE by 2050 requires 77% contribution from renewable energy in the energy mix...

... requiring massive capacity development by 2030, especially in geothermal, hydro, and solar energy.

Capacity share by technology for Net Zero scenario (%)



Capacity (GW)



Technology	Past CAGR (p.a. '18-'23)	Future CAGR (p.a. '23-'30)
Other NRE (incl. wind)	+3.1%	+14.2%
Hydro	+4.0%	+15.2%
Geothermal	+36.1%	+48.5%
Solar	+5.5%	-0.9%
Fossil fuels		

Note: Use of Low Carbon Scenario in RUPTL 2021-2030; Fuel: Oil, Diesel; Other NRE: Wind, Biomass, Biogas, Waste-to-Energy
 Source: RUPTL 2021-2030, PT PLN's Pathway, ESDM Handbook Of Energy & Economic Statistics Of Indonesia (HEESI) 2022