



Presentation to Analysts and Investors

PT Barito Pacific Tbk

Mar 2024





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Latest Key Updates- Continuing Our Journey of Transformation.

~3,000 lps water

in Cilegon

treatment capacity



Unlocking new growth opportunities via downstream expansion and portfolio diversification

Completed acquisition KDL (70%) & KTI (49%)



EGCO

Cvcle Renewable energy capability with solar power technology

120MW Combined



KDL increased ownership of Krakatau Posco Energy and Co-invest up to US\$200m for 200MW project

Existing capacity 200MW

Planned addition: 200MW

Secured equity investment of USD194m for 30% stakes in CDI *



(Jz

CA EDC Plant - On pace with groundbreaking timeline in 2024



Advancing Green Milestone



IPO Barito Renewables with US\$200 million total proceed

Barito Renewables



Barito Renewables

Expanding portfolio by establishing Barito Wind Energy and subsequently acquiring three greenfield assets

Acquired 51% stakes on of Sidrap II, Sukabumi, and Lombok wind energy with potential capacity of 318MW



318MW Potential

• Principle agreement to acquire Sidrap I



79MW



Green consolidation through series of acquisitions for additional stakes that would further enhance shareholders value

- Wayang Windu from 60% to 90%
- Salak & Darajat from 51.8% to 81%

Key Discussions



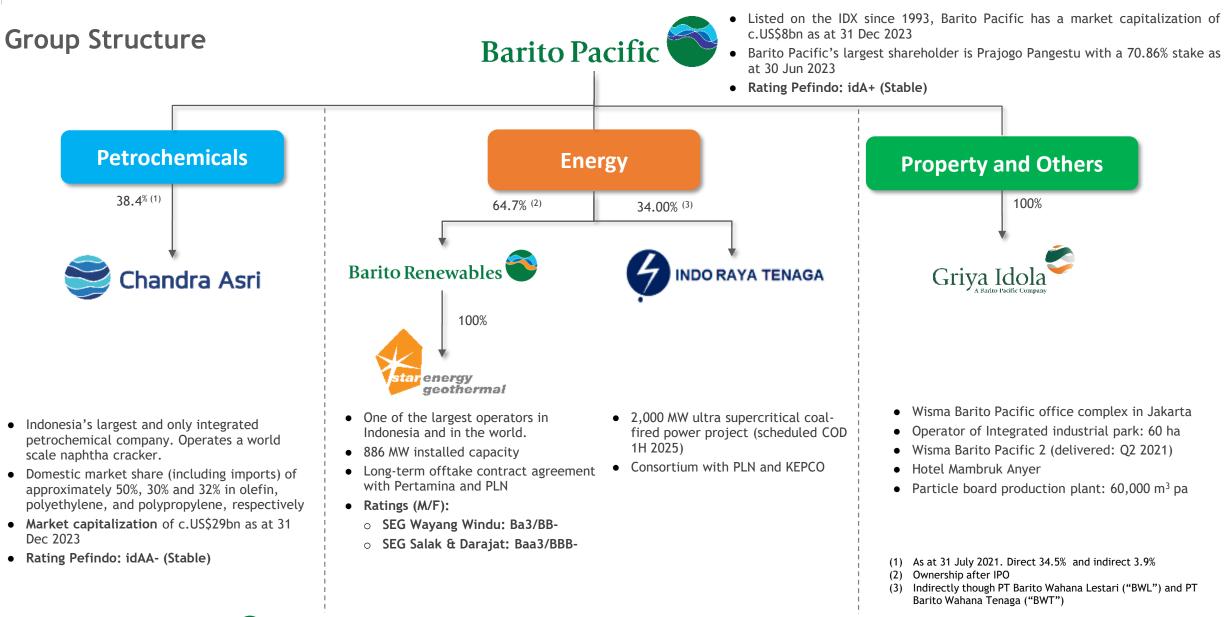
Group Overview & Latest Key Updates

01	Group structure & overview
02	Petrochemicals - CAP
03	Energy - Barito Renewables (Star Energy)
04	Barito Pacific Transformation



Barito Pacific at a Glance

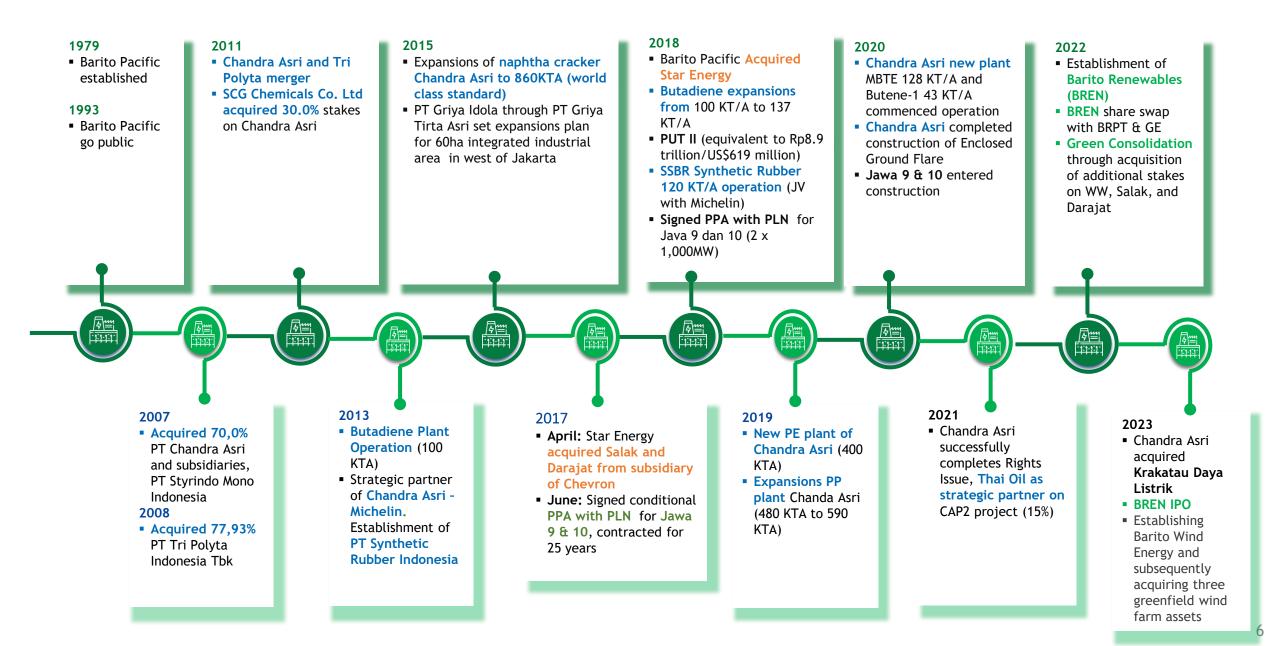




More than 40 years participation in national development

Transforming as market leader in Petrochemical and Energy







02 Petrochemicals

Large war chest & long runway for multi-year growth



Chandra Asri's Portfolio



Chandra Asri (CAP) is **Indonesia's leading chemical and infrastructure solutions company.** CAP is the **largest integrated petrochemical producer** in Indonesia and operate the country's only Naphtha Cracker, Styrene Monomer, Butadiene, MTBE and Butene-1 plants, **supported by core infrastructure** assets encompassing energy, water and jetty & tank farm facilities, with a new world-scale Chlor-Alkali - Ethylene Dichloride plant development in the horizon.



Chemicals



- Strategic Vital National Object
- Market Leadership in highly attractive Indonesia and SEA petrochemical market with domestic market share of up to 50%^[1]
- Support from Barito Pacific Group, Siam Cement Group, and Thai Oil Group

Chandra Asri's petrochemical streams:

Upstream	C2 C3		3 CC4		Py-gas	Buta	diene	ene Styrene Monomer	
Downstream	Polyethylene		Polypropylene		MTBE/B1			ynthetic Rubber	

Chandra Asri's upcoming chemicals streams:

Downstream Caustic Soda	Ethylene Dichloride
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^[1] 50%, 40% and 32% of the domestic market (including imports) for Olefins, Polyethylene and Polypropylene, respectively









Inf

Strengthening Chandra Asri's business franchise

CDI is focused on generating long-term, stable,

It provides further growth upside to the assets

under its portfolio through (i) value enhancement via operational excellence, (ii) realisation of cross-entity synergies, and (iii)

vehicle, Chandra Daya Investasi ("CDI")

and sustainable shareholder returns.

integrating ESG best practices.

through expansion into core infrastructure

facilities, via a dedicated special-purpose



Capacities of Petrochemical Producers in Indonesia



Capacity ('000 tons per year)	😂 Chandra Asri	LOTTE CHEMICAL		Maspiene® PT POLYTAMA PROPINDO	ASC AGC Group PT Asahimas Chemical	PT SULFINDO ADIUSAHA	ТРРІ	Others	Total
Ethylene	900	-	-	-	-	-	-	-	900
Propylene	490	-	625	-	-	-	-	-	1,115
LLDPE	400	200	-	-	-	-	-	-	600
HDPE	336	250	-	-	-	-	-	-	586
Polypropylene	590	-	45	300	-	-	-	-	935
Ethylene Dichloride		-	-	-	760	380	-	-	1,140
Vinyl Chloride Monomer	-	-	-	-	875	130	-	-	1,005
Polyvinyl Chloride		-	-	-	550	110	-	202	862
Ethylene Oxide	-	-	-	-	-	-	-	240	240
Mono Ethylene Glycol		-	-	-	-	-	-	220	220
Acrylic Acid		-	-	-	-	-	-	140	140
Butanol	-	-	-	-	-	-	-	20	20
2-Ethylhexanol		-	-	-	-	-	-	140	140
Pygas	418	-	-	-	-	-	-	-	418
Crude C4	330	-	-	-	-	-	-	-	330
Butadiene	137	-	-	-	-	-	-	-	137
Benzene	-	-	100	-	-	-	207	-	307
Para-Xylene	-	-	270	-	-	-	500	-	770
Styrene	340	-	-	-	-	-	-	-	340
Synthetic Rubber	120	-	-	-	-	-		75	195
Methyl Tert-butyl Ether	128								128
Butene-1	43								43
Total	4,232	450	1,040	300	2,185	620	707	1,037	10,571

CAP offers the most diverse product range and is a dominant producer with market share of approximately 50%, 40%, and 32% of the domestic market (including imports) in olefins, polyethylene and polypropylene respectively

Source: Company, ICIS, Nexant



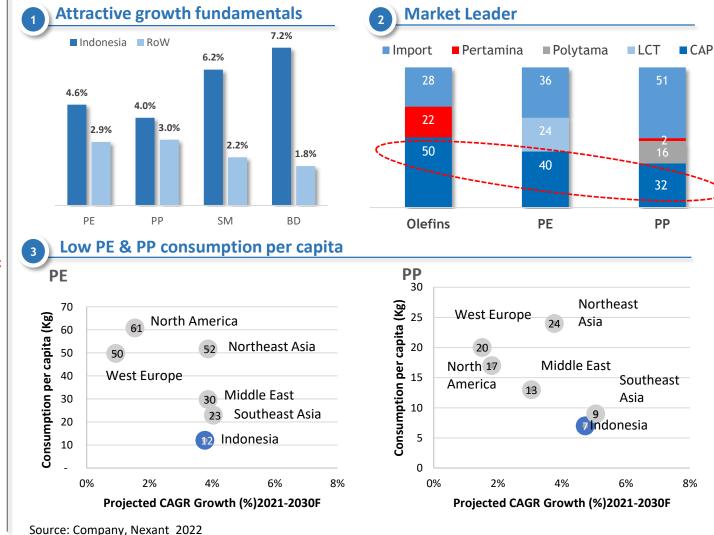
Growth initiatives (2013-2022)

Petrochemical

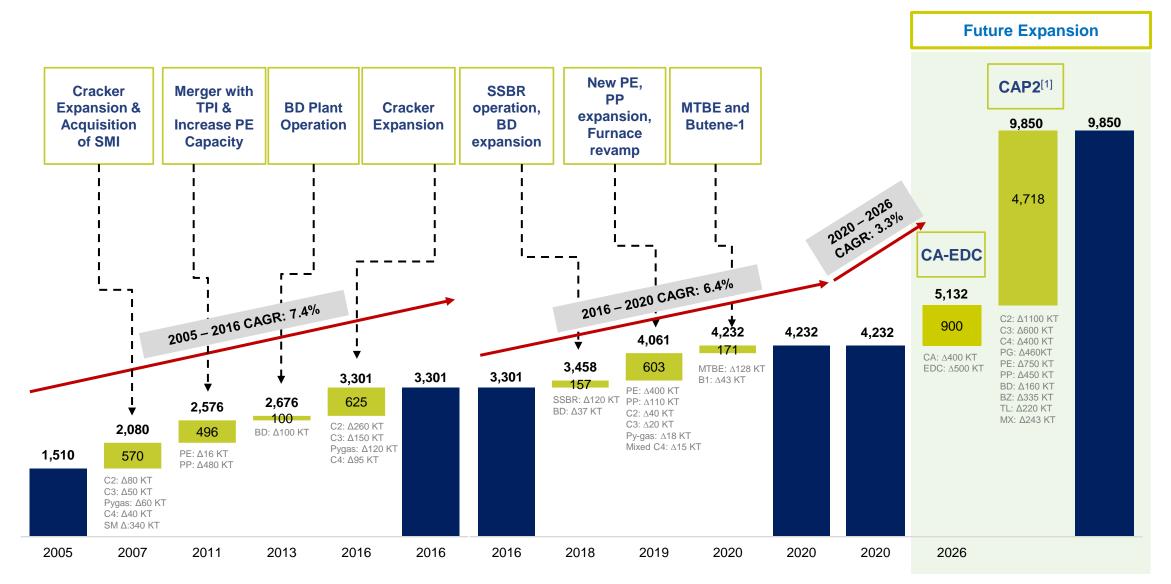
Strategic growth via downstream integration & capacity expansions



Well-positioned to benefit from attractive industry outlook



Major Projects – Delivering Sustainable & Profitable Growth

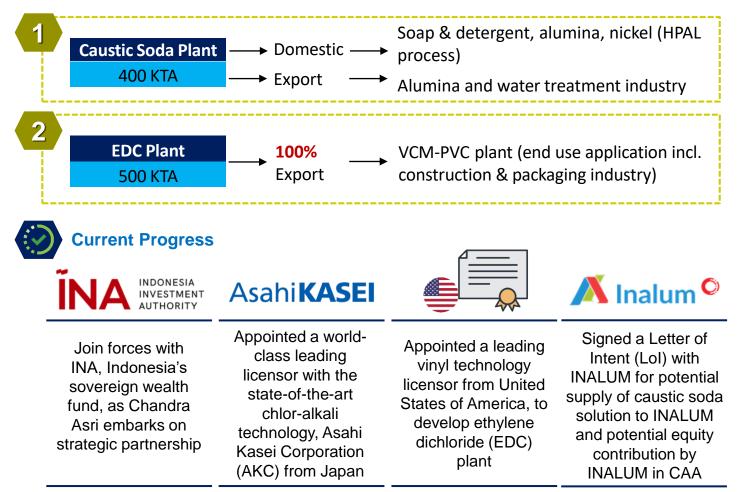


^[1] Subject to FID

CA-EDC Expansion Plans well Underway

World-scale plant aimed towards supporting the mining requirements of the growing electric vehicle industry

Chandra Asri through its wholly-owned subsidiary, Chandra Asri Alkali ("CAA"), is developing the CA-EDC plant, which will produce more than 400 KTA of caustic soda and 500 KTA of ethylene dichloride (EDC) to serve the region's short market.

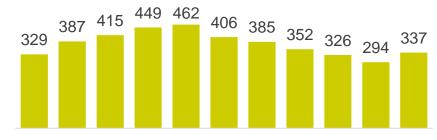


Caustic Soda & EDC Import Balance Overview

Source : IHS Markit, 2022

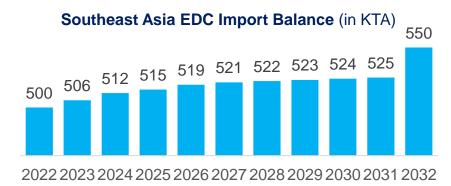
Caustic soda is **short throughout Southeast Asia**, with the Indonesian market short by 462KTA in 2026.

Indonesia Caustic Soda Import Balance (in KTA)



2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032

Southeast Asia's EDC production is well under the regional demand, which was equal to ~80% of regional EDC demand and is predicted to become ~90% in the upcoming years.







Energy

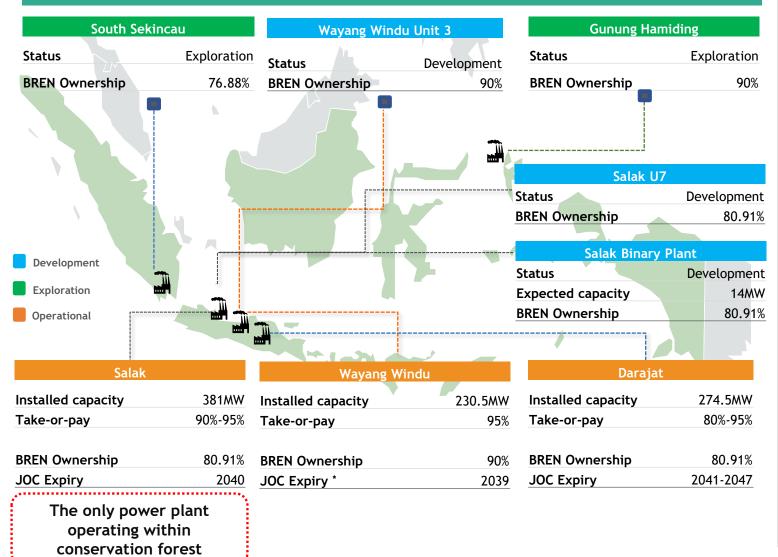
Geothermal - best positioned to support transition to green energy



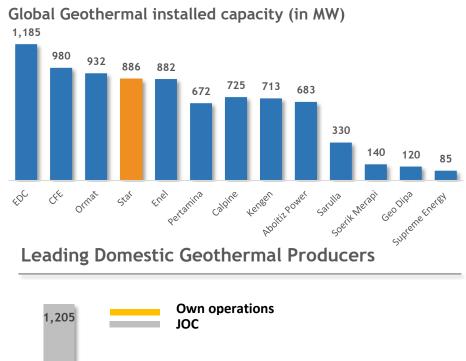


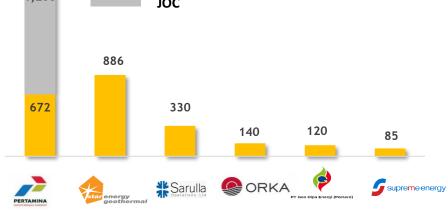


BREN currently operates 886MW geothermal power



Top Geothermal Producers Globally





Source: Company

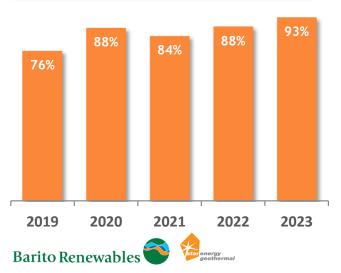
Energy Operating Performance

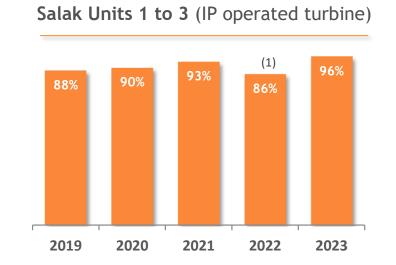


Barito Renewable Geothermal Operating Assets - Average Net Capacity Factor

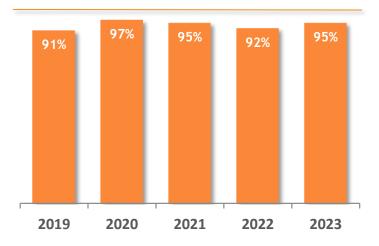




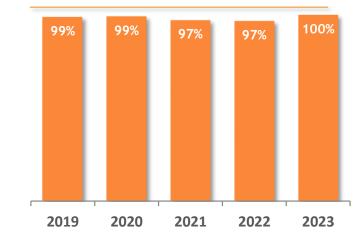




Darajat Units 2 & 3



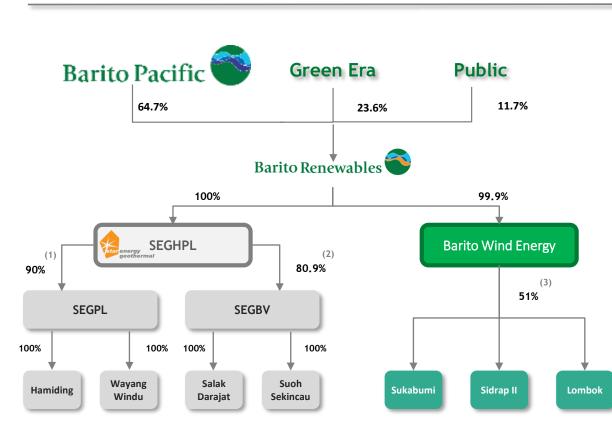
Salak Units 4 to 6



A New Milestone Achieved through Group Consolidation & Value creation Barito Pacific



Corporate structure (Post IPO)



SEGHPL: Star Energy Group Holdings Pte. Ltd SEGPL: Star Energy Geothermal Pte. Ltd SEGBV: Star Energy Geothermal (Salak Darajat) BV

(1): Mitsubishi owned 10% of SEGPL,
(2): Mitsubishi owned 4% and Ayala owned 15.0% of SEGBV
(3): Ayala own 49% of Sukabumi, sidrap II, and Lombok assets



Key IPO Milestones

End of 2022 : Barito Renewables Energy (BREN)

- Holding of all Green Investment
- BREN to strengthen BRPT's position as leading domestic integrated energy player
- Group restructuring through share swap of BREN & SEGHPL
- Expand business portfolios and funding access

2) E

Early 2023 : Geothermal asset consolidation

- Concluded series of transactions, increasing effective ownership on Wayang Windu, Salak, and Darajat
- In line with focus on the renewable energy and to strengthen position as one of the leading energy companies in Indonesia

9 October 2023: Listed on IDX

- Raised USD200 million
- Oversubscription of 135x, indicating strong investor interest
- Initial stride to further expand renewable energy portfolio and assist government energy transition program

End of 2023 and Early 2024: Barito Wind Energy

- Establishment of Barito Wind Energy
- Acquisition of Sidrap II, Sukabumi and Lombok

Geothermal Energy - Large Growth Potential

Barito Pacific

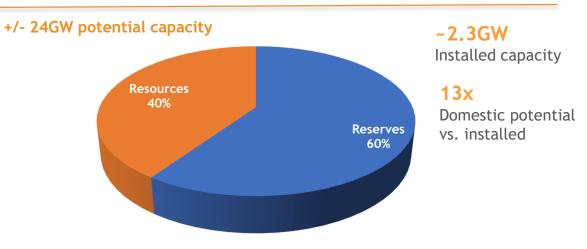
Tapping into world's largest geothermal powerhouse

- Nearly around 40% of world's geothermal potential are located in Indonesia, but only ~4% in utilization.
- Through Barito Renewable Energy (BREN), Barito Pacific will continue its focus to develop more renewable energy.
- Partnering with Pertamina Geothermal Energy and PT PLN to distribute 886MW power capacity.
- Ongoing exploration in North Maluku (Hamiding) and Lampung (Sekincau).

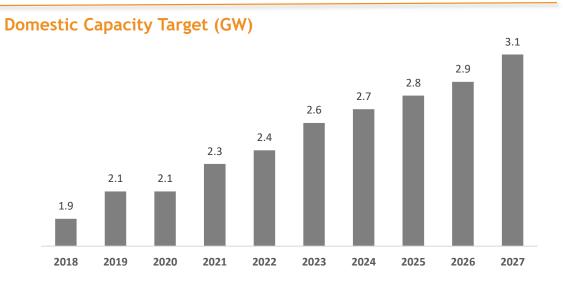
Barito Renewable Geothermal Assets (886MW)



Geothermal Resources & Reserves (as of Dec 2018)



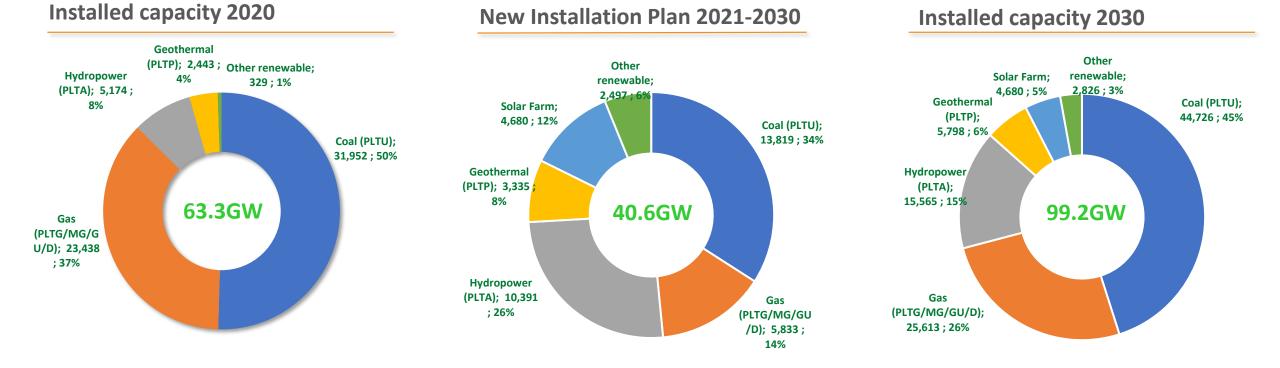
Indonesia Geothermal Capacity (PLN Target)



Source: Energi Panas Bumi Indonesia - Geothermal | Indonesia Investments (indonesia-investments.com), PLN

Best Positioned to Support Indonesia Green Energy Transition





- Govt. target: 29% GHG emission through own effort or 41% with international support
- Renewable energy accounts for half (20.9GW) of total 40.6GW additional power capacity
- PLN target to achieve 29% share of renewable energy mix by 2030
- Coal-fired remains as the largest portion of additional installed capacity

Source: PLN National Electricity Supply Business Plan (RUPTL 2021-2030)



Barito Renewables Key Growth Strategies

Operate existing plants efficiently and at full capacity

>90% capacity Factor

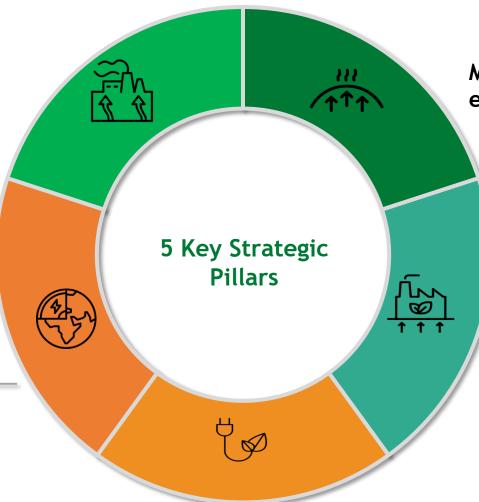
Operational excellence with baseload generation capabilities and low intermittency factor

Expand geothermal operations / other renewable projects overseas

Tapping into other renewable projects not only in Indonesia, but also overseas

Recent highlight

Acquisition of Sidrap II, Sukabumi, and Lombok



Capitalize green credentials via carbon credit and REC revenue

Barito Pacific 🌍

Maximize resources capacity of existing mature fields

Capacity addition from existing operational assets of WW, Salak and Darajat

Recent highlight

Salak Binary construction > 95% completion

Develop new green field prospects

Exploration area of Hamiding & South Sekincau with potential sizeable capacity





04 Barito Pacific

Fostering resilience & sustainable growth through balance pillars



Roadmap For Expansions



Best positioned to benefit from long runway of multi-year organic growth

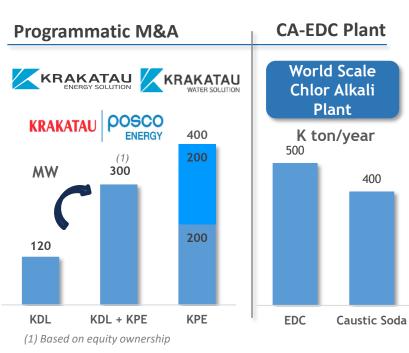
Petrochemical S Chandra Asri

Strong Core

- Expand Chemicals & infrastructure business organically
- Cost Leadership
- Operational Excellence

Major Sprints

- Take Final Investment Decision on CA-EDC as part of reconfigured CAP 2
- Execute Programatic M&A and integrate acquisitions to grow infrastructure business



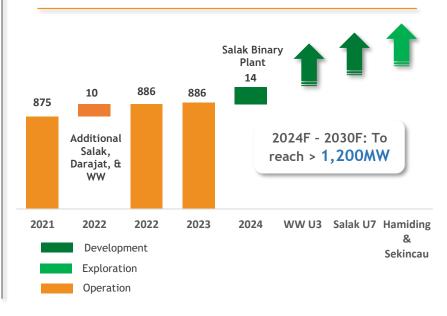
Energy Barito Renewables 🎔

Pipeline MW addition:

- 2024: +14MW Salak Binary Plant
- Retrofit on existing assets
- Unit 3: Expansions on Wayang Windu
- Unit 7: Expansions on Salak
- Exploration of Hamiding & Sekincau
- Development of wind energy

2024F - 2030F: To reach > 1.200MW

Star Energy expansions plan (in MW)

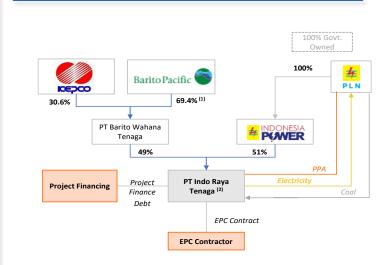


Indo Raya Tenaga (PLTU)

USC Coal-fired:

- 2 x 1,000MW Ultra Supercritical Coal-fired power plant
- Close proximity to CAP integrated petrochemical complex
- > 90% construction phase





(1) Indirectly though PT Barito Wahana Lestari ("BWL") and PT Barito Wahana Tenaga ("BWT") 21

Fostering Resilience Via the Energy sector



Poised to preserve position as Indonesia's leading integrated & diversified energy player

Further approach to enhance diversification not only on a group level, but also on the subsidiaries

3,406MW power capacity portfolio, owned both directly and indirectly through subsidiaries

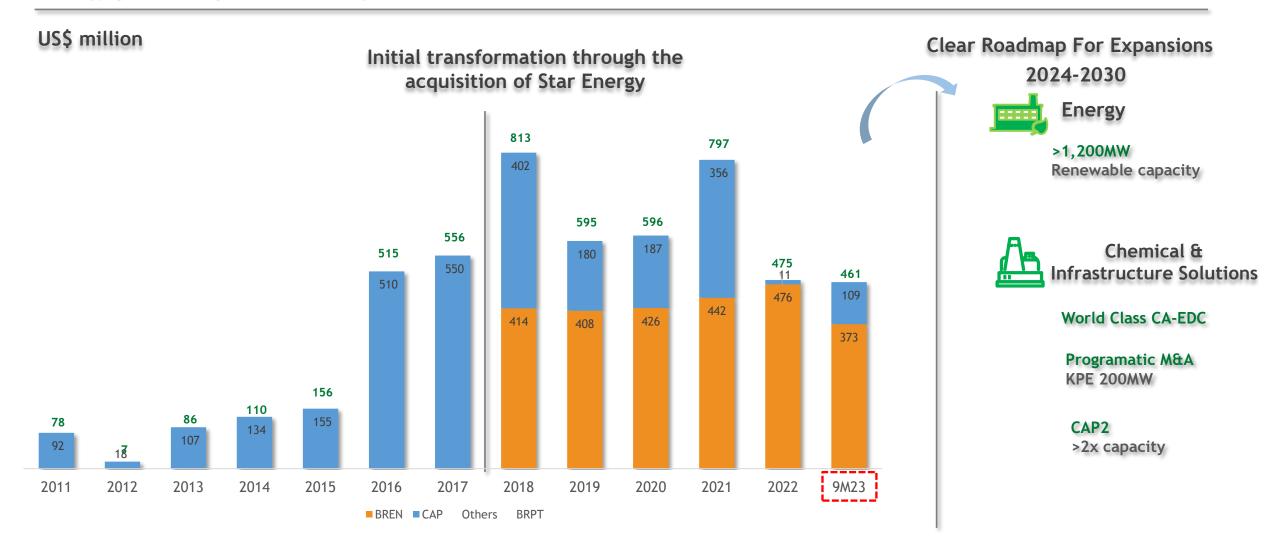




Continuing our Voyage of Value Creation



Energy portfolio provide stronger resilience to BRPT's consolidated EBITDA



Large War Chest To Aid Organic & Inorganic Growth Opportunities



Robust Liquidity Pool **Barito Pacific** Chandra Asri US\$2.8b US\$2.34b 823 1,301 1,099 Cash & Cash Cash & Cash 1,116 Equivalents Equivalents Marketable Marketable **Securities** Securities 415 415 Available * Available Committed RCF **Committed RCF** As per 9M23 * CAP only

Ample Liquidity as cushion; Organic expansions

- Well-prepared for full-throttle recovery mode in the petrochemical sector
- Secured equity commitment to progress CAP2, in light of the observed volatility
- Downstream expansion
 - Reconfigured CAP 2 thru the development of world-scale chlor-alkali plant to cater growing downstream industries of EV value chain

Unlocking inorganic Opportunity through Programmatic M&A

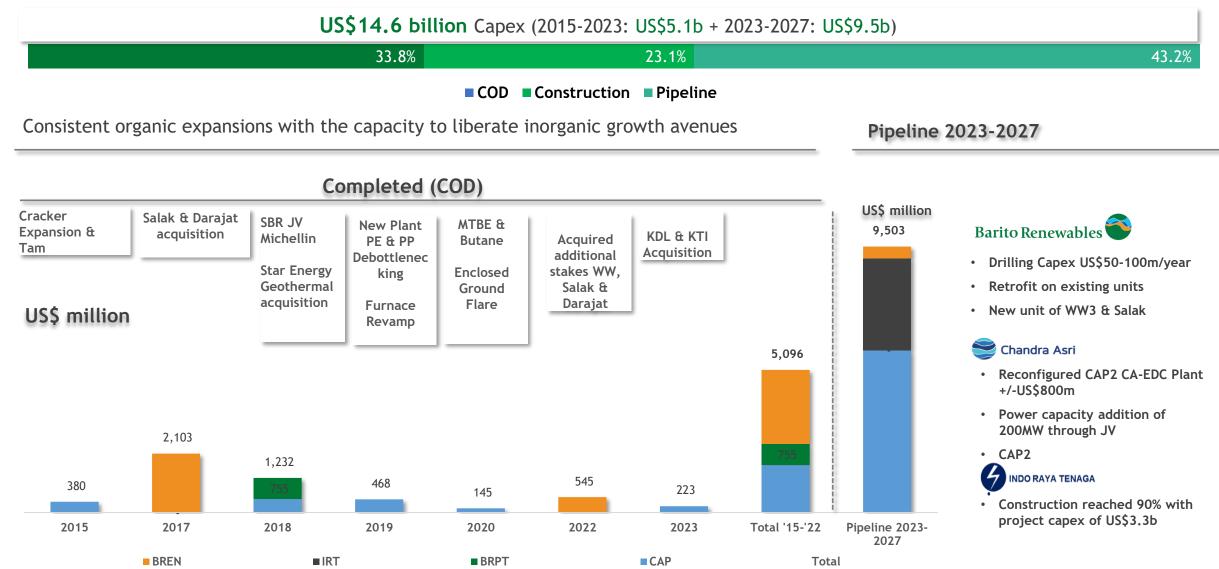
Successfully executed the acquisition of 70% equity stake in KDL & 49% in KTI, as part of the Programmatic M&A Strategy

- D Bolt-on acquisition supported by stable and resilient cash flow
- Diversifying revenue toward supporting infrastructure utilities
- □ Further enhancement of business fundamentals, and unlocks many attractive synergies
- $\hfill \Box$ Fully synced with the expansions plans for 2^{nd} petrochemical Complex

Capex Deployment

Poised to drive and thrive for further growth

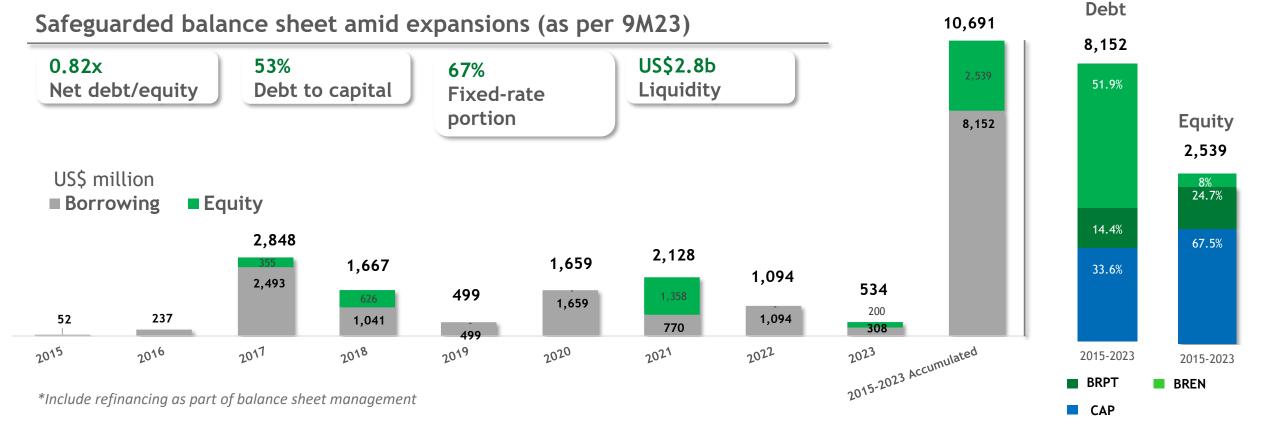




Strong Funding Capability Track Record

Funding activities

- Successful raised series of funding to support expansions
- Heavy green capex spending over the period of 2015-2022 (70% of accumulated)
- Healthy capital structure amid expansions with robust liquidity position



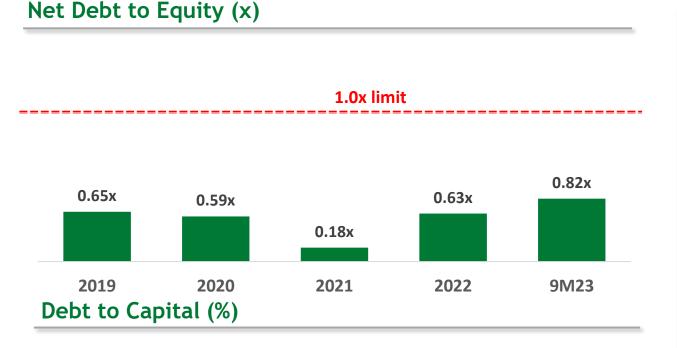


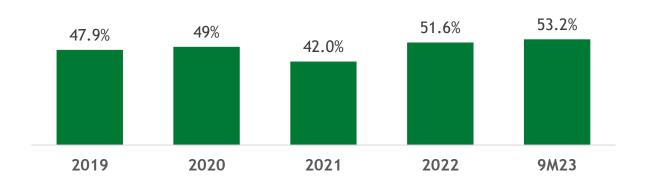
Accumulated

(Based on business segment)

Safeguarded Capital Structure Amid Expansions

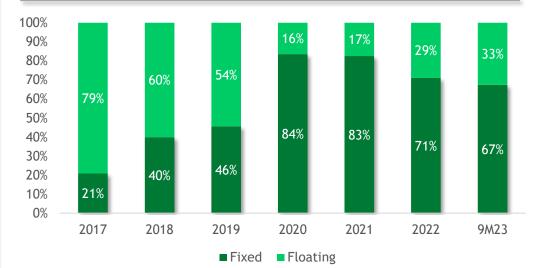




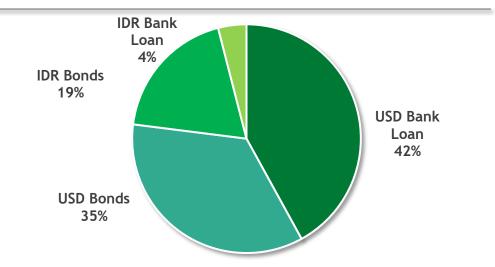


Chandra Asri Barito Renewables 🍑

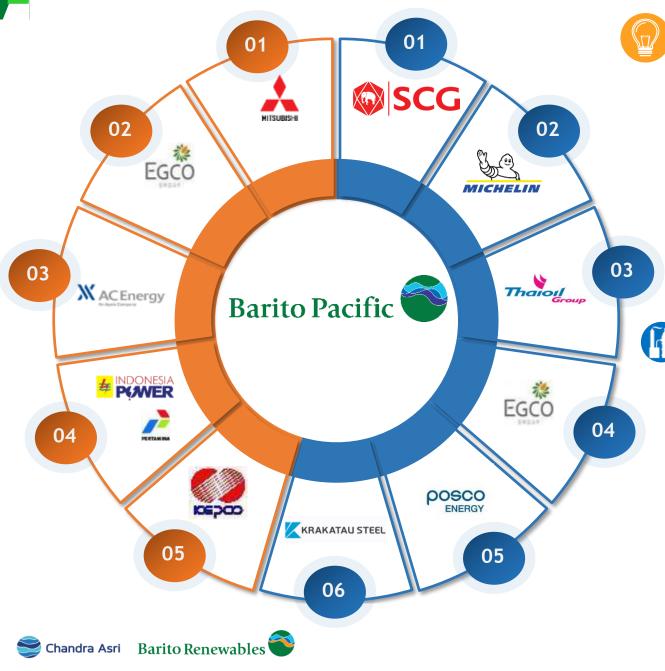
Fixed vs. Floating (%)



Debt composition



Barito Pacific Growth Strategies through Partnership



Key Partners in Energy

- Partnered with Star Energy on the acquisition of Salak and Darajat geothermal assets from Chevron on 31 March 2017. Acquired 20.00% stake in Wayang Windu in 2012⁽¹⁾
- 2) Partnered with Star Energy on the acquisition of Salak and Darajat geothermal assets from Chevron on 31 March 2017⁽²⁾
- 3) Partnered on the acquisition of Salak and Darajat geothermal assets from Chevron on 31 March 2017
- 4) Partnered with Barito Pacific in the development of Java 9 & 10, a 2 x 1,000 MW ultra supercritical coal-fired power project. Pertamina: JOC in geothermal development.
- 5) Partnered with Barito Pacific in the development of Java 9 & 10

Key Partners in Petrochemical & Infra

- 1) Acquired 30% stake in CAP in 2011. Currently owns 30.57%. Providing synergy through technical & Operational expertise and access to Thai financial institution
- 2) Partner to CAP in the Synthetic Rubber JV (45% held by CAP and 55% held by Michelin)
- 3) Strategic Partner for the development of CAP 2
- 4) Strategic Partner with 30% ownership on Chandra Daya Investasi
- 5) Partner on the operation of 200MW off-gas power plant with a plan to further develop additional 200MW
- 6) Partner in infrastructure utility in Cilegon



ESG - On the path of continuous improvement

Rating Provider	2020 Score	2021 Score	2022 Score	2023 Score	Target	% of revenue
MSCI ESG LEADERS 1	BB	BBB	А	А	Maintain	
Sustainalytics (BRPT)	34.1 (High Risk)	27.2 (Medium Risk)	26.2 (Medium Risk)	24 (Medium Risk)	15 - 20 (Low Risk)	100%
Sustainalytics (TPIA)	Not rated	Not rated	17.7 (Low Risk)	16.6 (Low Risk)	Maintain	80%
Sustainalytics (Wayang Windu)			17.3 (Low Risk)	17.3 (Low Risk)	Maintain	6%

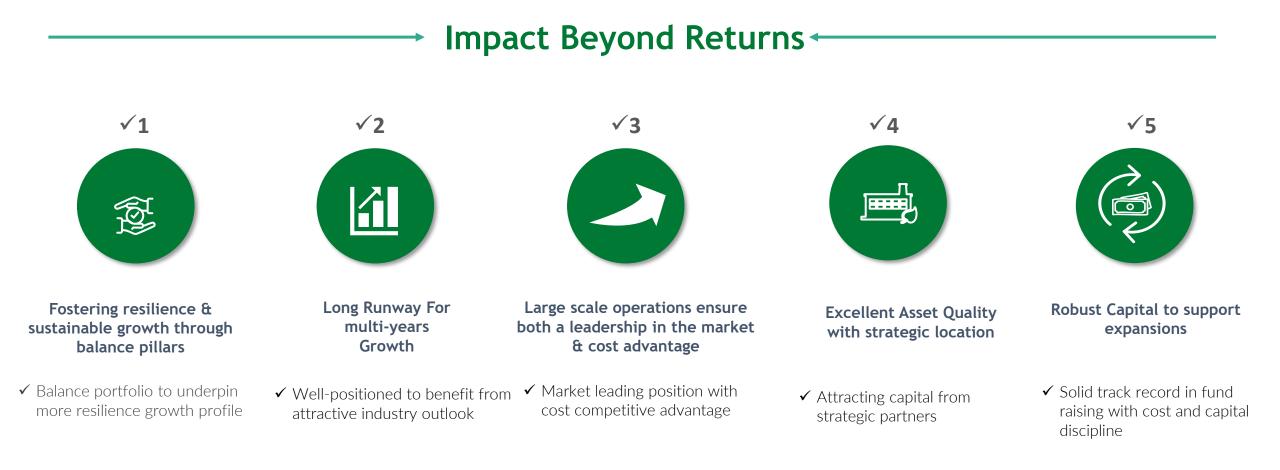
• Chandra Asri received an overall ESG Risk rating Score of 17.7 "Low Risk" from Sustainalytics & included in the IDX ESG Leaders.

• Barito Pacific: upgrade of MSCI ESG Leaders rating from BBB to A in 2022













Q&A



Thank you

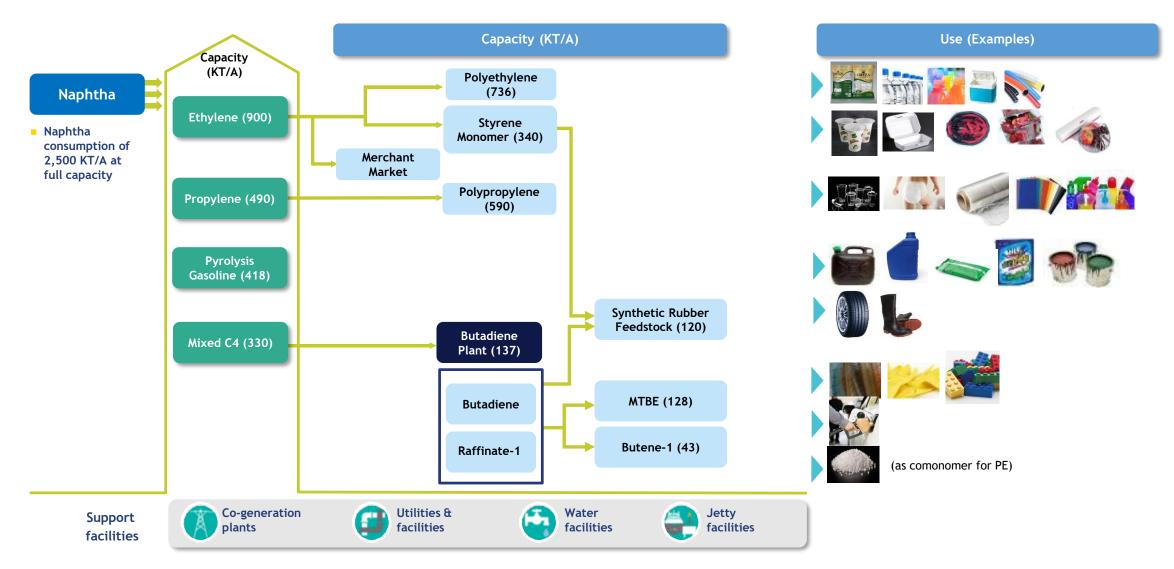


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Integrated Production of Diverse Products



Chandra Asri's products encompass a wide range across the consumer products value-chain, and its leading position & strategic location enhances its competitiveness



Performance underpinned by Chandra Asri's strong track record of execution



OPTIMISE VALUE AND SHAREHOLDER RETURNS "UPLIFT AND SMOOTHEN THE VALUE CURVE"

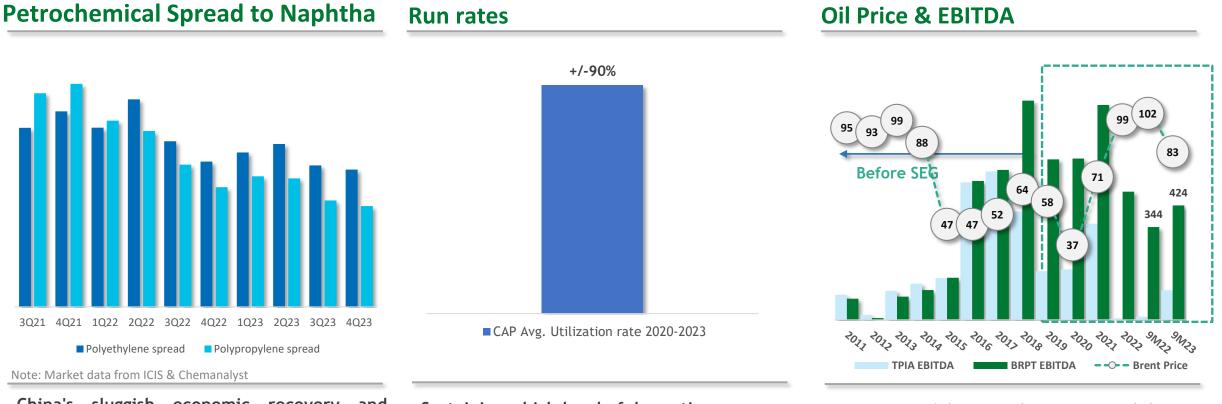




Key Dynamic Factors



Strongly positioned to benefit from the resurgence of the petrochemical industry; Maintaining vigilance in light of high uncertainty



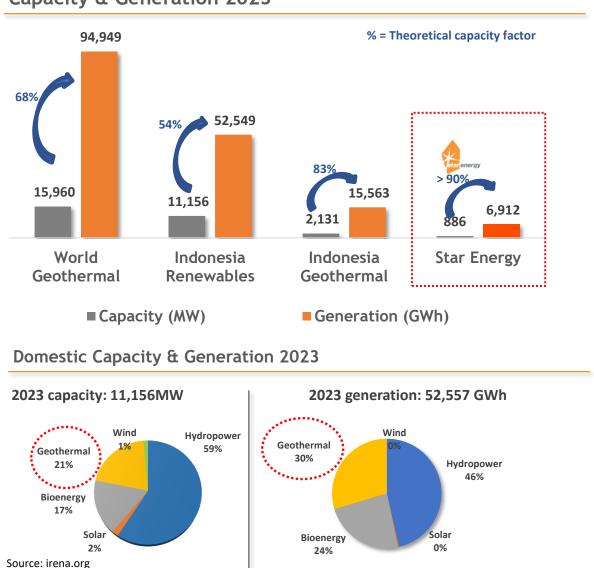
- China's sluggish economic recovery and escalating geopolitical risk contribute to the ongoing cyclicality of the petrochemical industry
- Maintain a high level of vigilance as uncertainties persist

Chandra Asri Barito Renewables

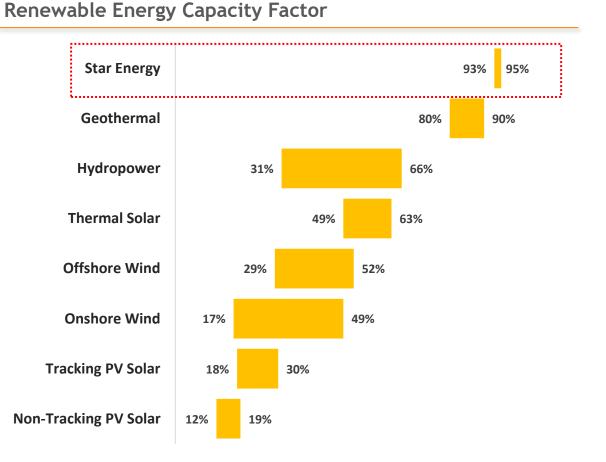
Sustaining a high level of domestic consumer exposure as a competitive advantage and a robust operational factor Energy portfolio provides EBITDA stability despite volatility in the petrochemical sector

Geothermal - Most Reliable with Baseload Generation Capabilities





Capacity & Generation 2023



- Low intermittent vs. other renewable fuel sources
- Fairly reliable and comparable to the conventional baseload power

Portfolio in Core Pillar



