



Regenerative Happiness

BANGCHAK CORPORATION PUBLIC COMPANY LIMITED

COMPANY PROFILE Q2/24



WHAT GUIDE US

VISION
Crafting a Sustainable World
with Evolving Greenovation

CORE VALUE

I
Innovation

AM
Agility & Mobility

B
Boldness

C
Customer
Empathy

P
Passion &
Ownership

MISSION

We commit to accelerate sustainable energy transition, while balancing energy security. We are energizing lives through greenovative solution and promoting ESG for all.



BUSINESS STRATEGIES

To achieve its short-term and long-term goals, Bangchak relies on the 4Ss Strategy.



S1 Security

Security to secure national energy supply focusing on building of energy security and accessibility for all people by executing business strategy in key focus areas consisting of oil refinery and marketing, green power businesses, and natural resource business to meet demands of the business and people.

S2 Synergy

Synergy to transform and co-creation with synergistic on products and services across each business unit focusing on pursuing of businesses consistent with Bangchak expertise and align with core business units (S1), such as oil & gas logistics and trading businesses, energy utilities & infrastructure, food & beverage, and mineral mining to optimise income and create synergistic value of portfolio.

S3 Sustainability

Sustainability to accelerate green portfolio inclusion eco-friendly businesses with Net Zero/Carbon Neutrality targets focusing on investment in clean and green businesses to support company operation in a sustainable way and to cope with global climate challenges.

S4 Scalability

Scalability to reform revenue stream with new S-curves business for long term growth focusing on exploring and creating new businesses with high growth or high potential markets as a new growth engine that create an impactful contribution to the group and to prepare for disruptive technology, emerging risks, and market volatilities.



40 YEARS TOWARDS SUSTAINABLE GROWTH

● Listing activity
 ● New business

Established "Bangchak" on 8th November



1984

Listed "BCP" in SET

1994



2009

Established Biodiesel Business "BBGI"



2011

Commercial operation of the first solar power plant in Thailand

Established Oil Trading Business **bcpt**
 Established Bangchak Retail **bcr**

2016

2016

Listed "BCPG" in SET



2018

Invested in OKEA ASA in Norway to expand E&P business

2019

Listed "OKEA ASA" in OSLO Stock Exchange



Invested 76.34% in Bangchak Sriracha "BSRC"
 Taking A Leading Spot in the Country's Refinery Business, along with a Network of over 2,200 Service Stations

2022

Listed "BBGI" in SET



2022

Established "BSGF" to produce & distribute Sustainable Aviation Fuel (SAF)

Acquired right over the pipeline network capacity and terminal systems through "BFPL"

2023



MANAGEMENT TEAM



Mr. Chaiwat Kovavisarach

Group Chief Executive Officer and President, Executive Director, Director with Authorized Signature



Ms. Phatpuree Chinkulkitnivat

Chief Financial Officer and Senior Executive Vice President, Accounting and Finance



Mr. Chokchai Atsawarangsalit

Senior Executive Vice President, Corporate Management and Organization Development



Mr. Bundit Hansapaiboon

Senior Executive Vice President, appointed to BSRC Public Company Limited



Mr. Thamarat Paryoonsuk

Senior Executive Vice President, Refinery Business Group



Mr. Kittiphong Limsuwannarot

Senior Executive Vice President, appointed to BBGI Public Company Limited



Mr. Seri Anupantanan

Senior Executive Vice President, Marketing Business Group



Mrs. Ratrimani Pasiphol

Chief Transformation & Synergy Realization Officer



Mrs. Gloyta Nathalang

Senior Executive Vice President, Sustainability Management and Corporate Communications



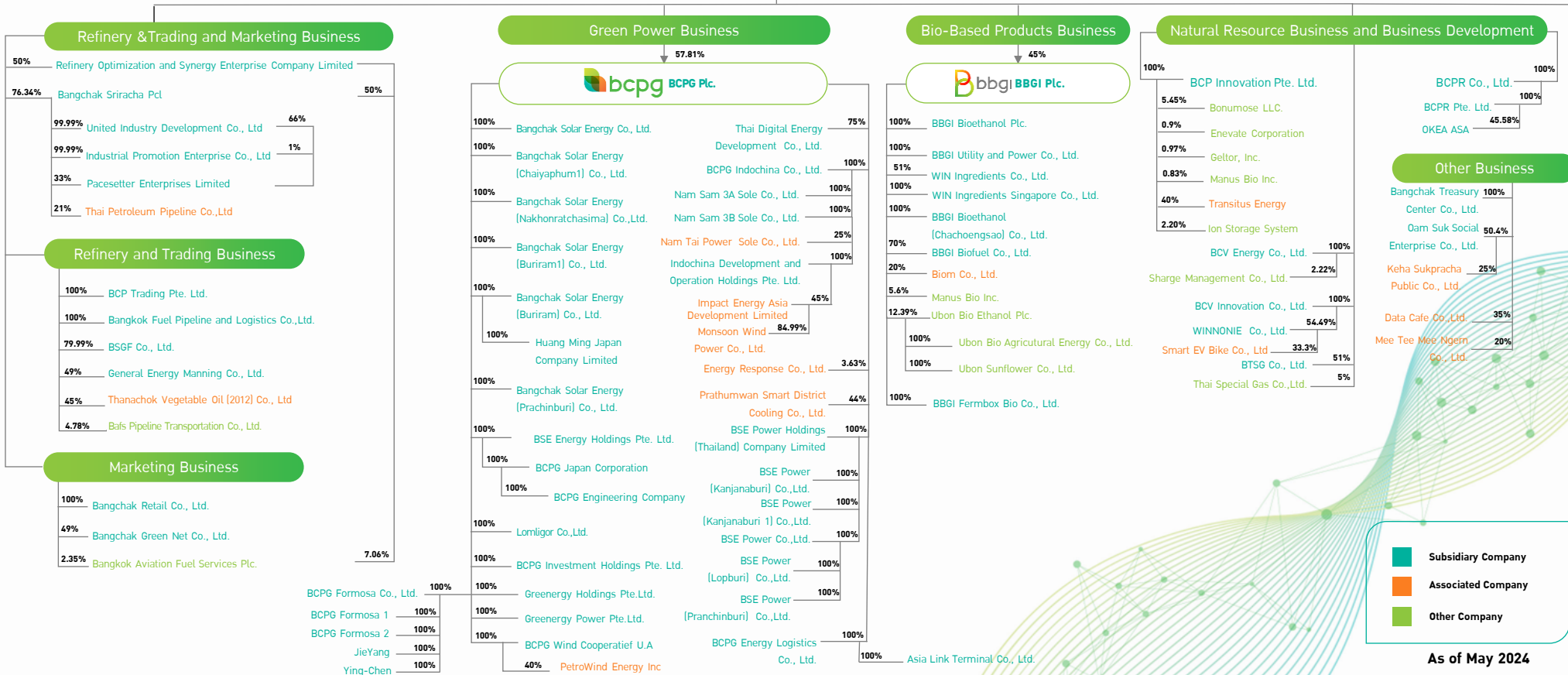
Mrs. Narupan Suthamkasem

Senior Executive Vice President, Corporate Sustainability Development and Strategic Synergy

SHAREHOLDING STRUCTURE



bangchak Bangchak Corporation Plc.
Registered Capital and Paid-up Capital Baht 1,376,923,157



BANGCHAK'S BUSINESS PORTFOLIO

Bangchak Corporation Public Company Limited, a Thai energy company engaging in business alongside social and environmental stewardship, aims to enhance national energy security with innovation-oriented businesses. This goal is to strengthen business continuity and develop sustainability for organization and Thai society. Currently, the Company covers 5 main businesses from upstream to downstream.

Refinery and Oil Trading Business Group

Thailand's leader in the oil refining industry, with the production capacity, operating two world-class complex refineries, with a nameplate production capacity of 294,000 Barrels per Day.

Phra Khanong Refinery in Bangkok, which has added high quality specialty products into its portfolio to produce low emission and high value products.

Sriracha Refinery, that is strategically located near Laem Chabang deep sea port in Sriracha, Chonburi province, Configuration incorporates unique proprietary technologies that provide us with significant flexibility to handle a wide range of crude oils.



Marketing Business Group

Distribution channels through industrial and retail channel of more than 2,200 service stations, completed with supplementary non-oil businesses and various services and products, including convenience stores, coffee shops, car care service, and lubricants, to provide customer convenience.



Bio-Based Products Business Group

Bangchak engages in bio-based product business, including ethanol and biodiesel through BBGI PLC., **BBGI** is one of Thailand's largest biofuel producer and distributor, while aims to become a leader in premium bio-based products and biotechnology business.



Clean Power Business Group

Bangchak invests in the green power business through BCPG PLC. **BCPG** runs the power generation businesses in Thailand and overseas from various sources including solar, wind, hydropower and combined cycle natural gas



Natural Resources and New Business Group

Bangchak invests in upstream petroleum exploration and production (E&P) business through **OKEA ASA**, and involves in the lithium business and innovation businesses outside Thailand.





REFINERY AND TRADING BUSINESS GROUP

Thailand's leader in the oil refining industry, with the production capacity, operating two world-class complex refineries, with a nameplate production capacity of 294,000 Barrels per Day.



Complex refinery with a nameplate capacity of

294
KBD

CHARACTERISTIC

PHRA KHANONG REFINERY



Modern complex refinery with a nameplate capacity of 120 KBD



Owned distribution channels for supply chain optimization



Enhance the efficiency of refining processes for optimal benefits and stability in tandem with the reduction of carbon dioxide



Constantly develop the oil trading business stressing growth in trading market to new business partners and new products

SRIRACHA REFINERY



Complex refinery with a nameplate capacity of 174 KBD



Fluidized Catalytic Cracking (FCC)



Located near Laem Chabang deep sea port, Chonburi



Petchem-Asphalt Refinery Flexible Operation mode with 500,000 Tons of Paraxylene



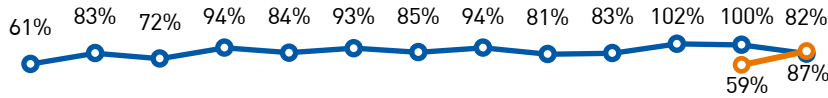
PHRA KHANONG & SRIRACHA REFINERY

PRODUCTION PROFILE

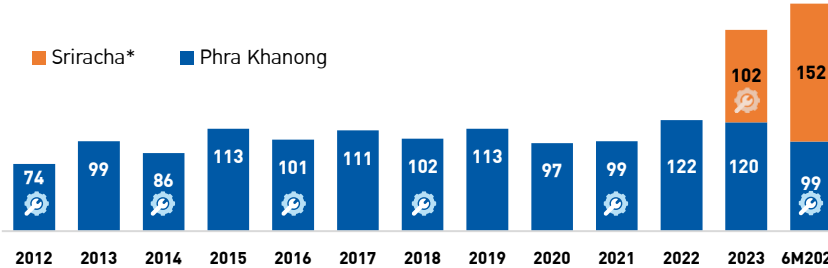


TAM = Turnaround Maintenance Period

Utilization Rate



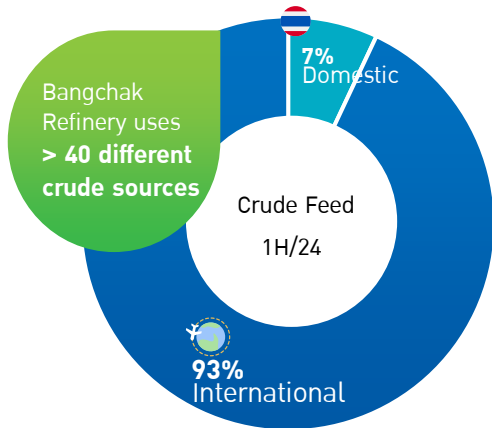
Actual Crude Run (KBD)



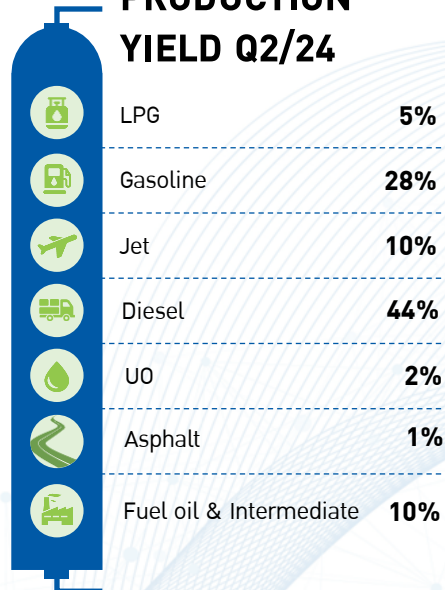
*Bangchak Sriracha Plc. ("BSRC") consolidated since September 1, 2023.

CRUDE FEED

to produce high quality and environmental friendly products



PRODUCTION YIELD Q2/24



INTEGRATED LOGISTICS NETWORK



Maximize asset utilization



Acquired rights over the pipeline network capacity and terminal systems



Stabilize oil distribution system



Transportation costs



Loss during shipping



Revenue



Carbon emissions from vehicular transport



BANGCHAK'S VISIONARY FOR LONG-TERM STRATEGY



PHRA KHANONG REFINERY

- Complex refinery with a nameplate capacity of **120 KBD**
- Producing high value specialty products



SRIRACHA REFINERY



- Complex refinery with a nameplate capacity of **174 KBD**
- Located near Laem Chabang deep sea port



TRADING BUSINESS



BCP Trading Pte. Ltd.

- BCP Trading, one of leading independent oil trader in Singapore
- **Over 20 countries** for trading network
 - **More than 100 counterparties** worldwide
 - Expanded into **Biofuel trading**



REFINERY OPTIMIZATION SYNERGY ENTERPRISE



- Optimization and synergy services
- Commercial services



SAF PRODUCT



Bangchak Sustainable Green Fuel

**The first and the only one
SAF production in Thailand**
with capacity of **7 KBD**

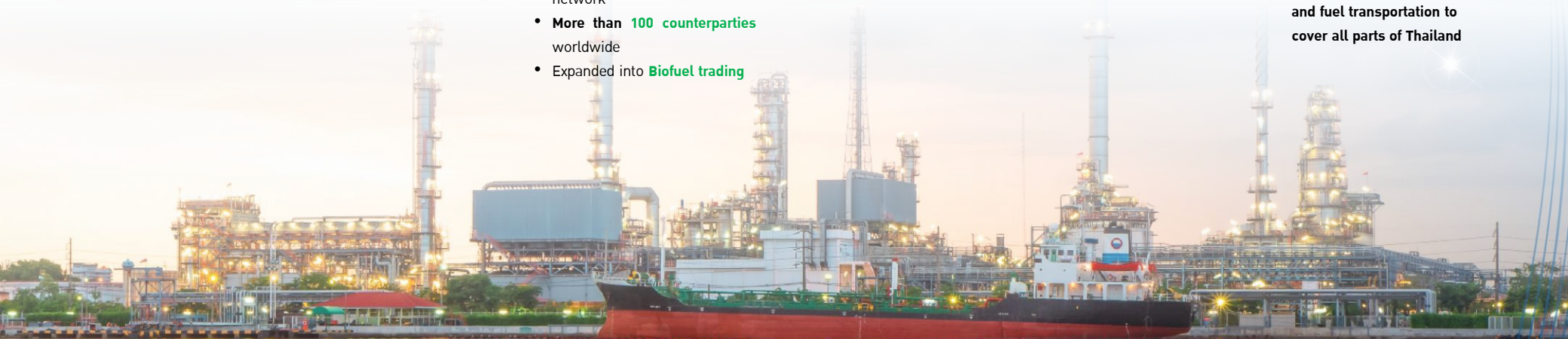


LOGISTICS BUSINESS



Bangkok Fuel Pipeline and Logistics Co., Ltd.

- Logistic network of **pipeline, terminal, trucks and vessels.**
- Expansion of **terminal hub and fuel transportation** to cover all parts of Thailand





MARKETING BUSINESS GROUP

Main distribution channel of oil and lubricant products through more than 2,200 service stations nationwide, and directly sell to industrial sectors, as well as providing supplementary non-oil businesses

BANGCHAK'S MARKETING CHARACTERISTIC



Aiming to maintain its service standards to guarantee maximum satisfaction from consumers. Done by turning Bangchak service stations into the "Greenovative Destination"



Focusing on distribution and improvement of high-performance environmentally friendly green renewable fuels, embracing the gasohol and diesel products



Emphasizing great customer experience with non-oil business and various services including Inthanin coffee shops, partner stores, and centers for lubricant replacement and car wash



Marketing products to airlines, industrial, transport, construction and agricultural sectors



SERVICE STATIONS

as of June 2024



2,214
Total Service Stations

NETWORK EXPANSION

Focus on high potential areas, with service stations of distinguished character, harmoniously customized to customer needs

NON-OIL BUSINESS EXPANSION

To attract more customers and support modern consumer lifestyles

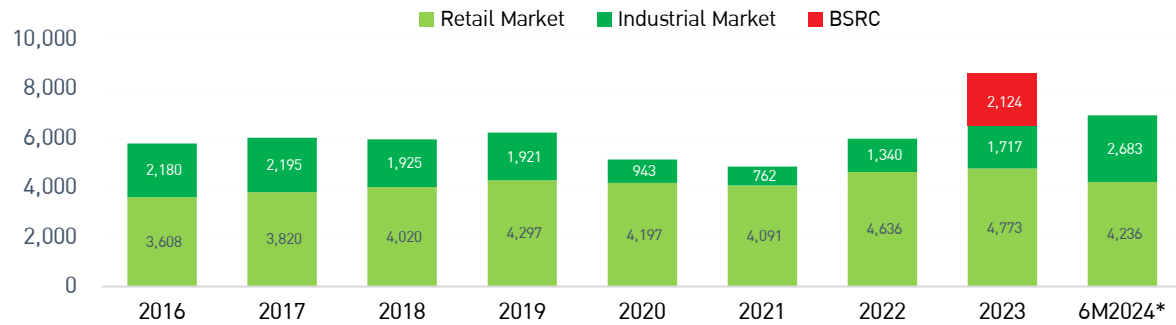
CURRENT NETWORK OPTIMIZATION

To enhance consumer experiences

- Employ technology to advance Loyalty Program
- Develop high-performance environmentally friendly products
- Upgrade standard of customer services

TOTAL SALES VOLUME

Sales volume
(Unit: ML/Year)



Total sales volume of Bangchak Group includes intercompany eliminations
*Since 2024, sales volume represented data of Bangchak group (included BSRC)

NON-OIL BUSINESS

as of June 2024

Focus on expanding and developing businesses such as coffee shop, convenient stores, and car care services to enhance customer experience and induce more customers to Bangchak service stations. It became a crucial part to the expansion plan of marketing business group.

1,005
Inthanin coffee shops



Inthanin

With more than 1,000 Inthanin coffee shops nationwide, both in service station and stand alone, serve 100% Arabica coffee beans roasted with specific process while giving back to the community and environment nationwide



EV CHARGING STATION





bcpg

CLEAN POWER BUSINESS GROUP

Bangchak invests in the green power business through BCPG PLC. with 57.81% shareholding portion. BCPG, established in 2015 and listed in 2016, is among Asia-Pacific's leading companies in renewable energy with solar power, hydropower, wind power and natural gas businesses in Thailand, Taiwan, Laos, Vietnam, Philippines and the United States of America. By 2025, BCPG will be a prominent renewable energy player in Asia Pacific with sustainable growth.



**World's
Greenery Icon**
**Evolving the world
through the green ways**

Empowering Green Lifestyle

Green Expanded

Continue to expand its green power production in the Asia-Pacific region by over **3,200 GWh per year.**

Build confidence and strength in financial position to support both short-term and long-term investment plans.

Continue investments in large energy storage system businesses to manage the use of electricity generated by green energy and to support future trends

Green Innovations

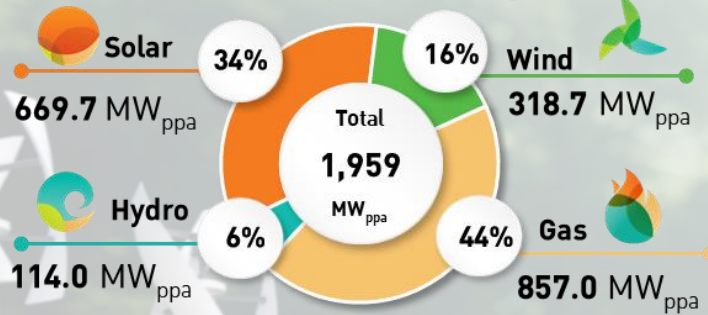
Commit to developing green energy innovations to respond to sustainable energy consumption and environmentally-friendly lifestyles

Green Target

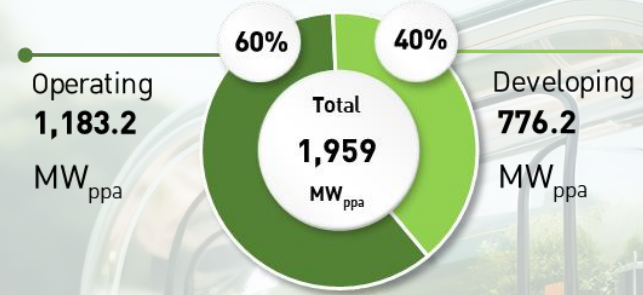
Set a **net-zero carbon goal by 2030** to extend a balanced world to future generations

Clean Power Business Footprints in 6 Countries Globally

Generation by Technologies



Production Capacity



- THAILAND
- 188.8 MW
- 9.0 MW
- Oil Terminal 710 ML
- District cooling

11.9 MW

- U.S.A
- 857 MW Operating



District cooling

3,000 RT (Phase I)

Operating

Developing

LAOS TO VIETNAM



114.0 MW

(SCOD 2025)

290.0 MW

Operating

Developing

- TAIWAN
- Operating
- Developing
- (SCOD 2024-2026)
- 469.0 MW

- THE PHILIPPINES
- 14.4 MW Operating
- 5.3 MW (SCOD 2025) Developing

- Solar Energy
- Wind Energy
- Hydropower
- Natural Gas
- Smart Energy



BIO-BASED PRODUCTS BUSINESS GROUP

Bangchak engages in bio-based product business, including ethanol and biodiesel through BBGI PLC., with 45.00% shareholding portion **BBGI is the leading biofuel producer and distributor in Thailand**, and aims to become a leader in premium bio-based products and biotechnology business.



BBGI has become a listed company in the Stock Exchange of Thailand since 17 March 2022.

Biodiesel Business

Biodiesel is alternative fuel to replace diesel fuels produced which from natural raw materials and it is regarded as environmentally friendly clean energy.



Bioethanol Business

Ethanol or ethyl alcohol is one of alcohols originated from the fermentation of molasses or flour plants. It is clear, colorless liquid which is inflammable and dissolvable in water and other organic solutions. So, it is variously useful by grades of the products.



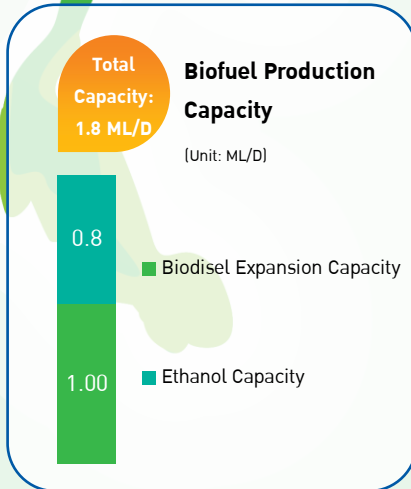
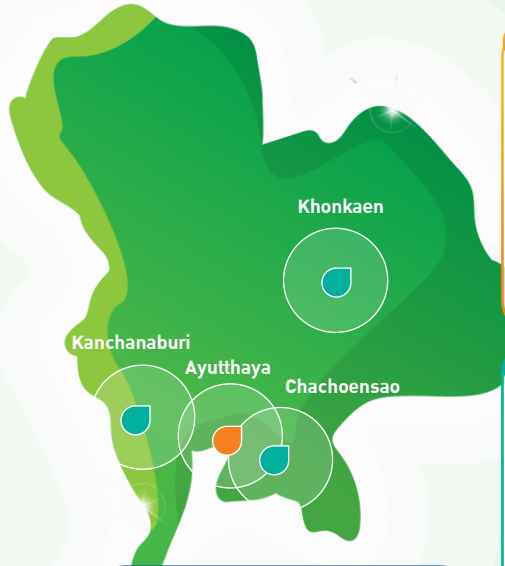
High Value Bio-Based Products

The group company expects to continue investing in this business sector with the focal area that are acknowledged by government, for example, the Special Economic Zone for any benefits it may cause. The group company is waiting for more research and development of the Biofuel by-product to generate profits



Biofuel Business

No.1 Fully Integrated Biofuel Producer in Thailand



Biodiesel Business

Ayutthaya - CPO
1,000,000 L/D
Operates under BBGI Biodiesel Co., Ltd.
BBGI holds 70%

Biodiesel Products

Biodiesel Refined Glycerin

Ethanol Business

Kanchanaburi - Molasses
300,000 L/D
Operates under BBGI Bioethanol Plc.
BBGI holds 100%

Khonkaen - Molasses
350,000 L/D
Operates under BBGI Bioethanol Plc.
BBGI holds 100%

Chachoengsao - Cassava
150,000 L/D
Operates under BBGI Bioethanol (Chachoengsao)
BBGI holds 100%

Ethanol Products

Fuel Grade Pharma Grade

High Value Bio-Based Products

Leading and Pioneering in Thailand

Synthetic Biology



Advanced Biotech

Invest & Partner with World Class Biotech
Synthetic Biology ("Synbio")

- Investing in Manus**
MANUSBIO
- Partnering with Manus**
win INGREDIENTS

Exclusive Manufacturing License and Distributor in
12 Countries
(Southeast Asia, Japan, and Korea)

- Partnering with Fermbox**
FERMBOX
FERMENTING THE FUTURE

Trading

Distribute via B2B and B2C platforms

Distribution Platform

- Business-to-Customer (B2C)**
Food & Health Supplement
B nature+
BNaturePlus
@BNaturePlus
- Business-to-Business (B2B)**

Online Channel: S, Loz, f, LINE

Offline Channel: Intanin, Korvy, JC



NATURAL RESOURCES

Bangchak invests in upstream petroleum exploration and production (E&P) business through OKEA ASA, and involves in the lithium business and innovation businesses **over the world**.





OKEA ASA

Listed in Oslo Stock Exchange

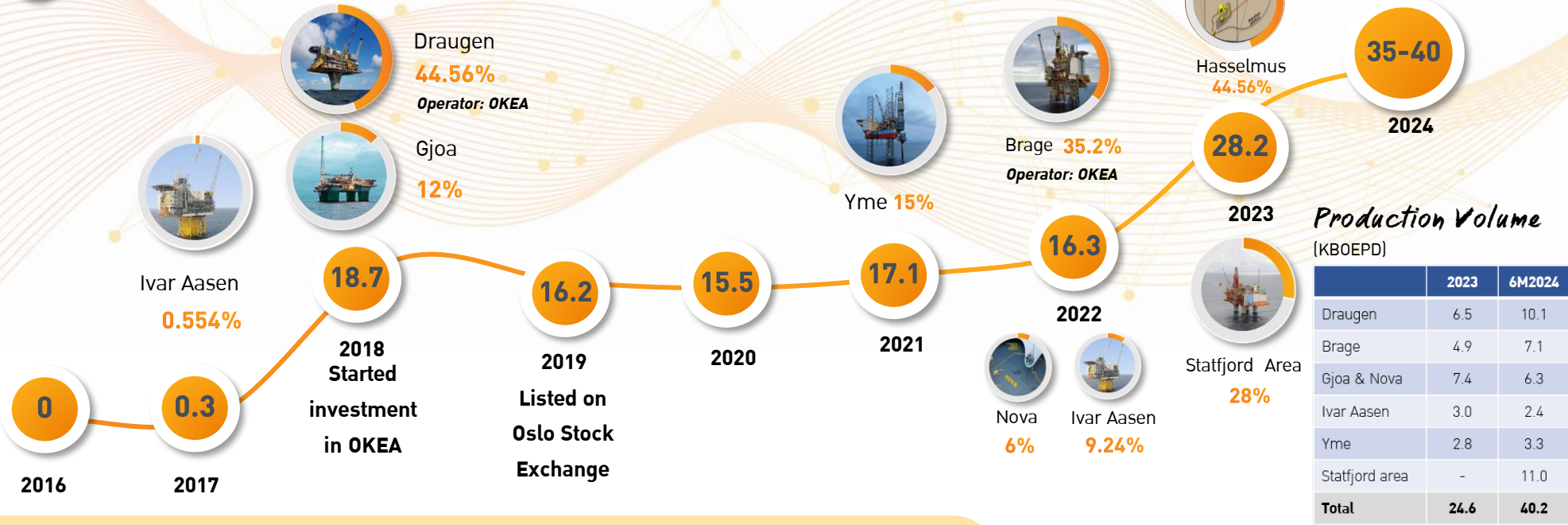
- A Norway-based oil company engaged in the oil and gas exploration and production industry
- Listed in Oslo Stock Exchange since June 2019

BCPR holds **45.58%**

As of June 2024

[BCPR is one of the subsidiaries in Bangchak Group, wholly owned 100% by BCP]

OKEA's Unit of Production: KBOEPD



Production Volume (KBOEPD)

	2023	6M2024
Draugen	6.5	10.1
Brage	4.9	7.1
Gjoa & Nova	7.4	6.3
Ivar Aasen	3.0	2.4
Yme	2.8	3.3
Statfjord area	-	11.0
Total	24.6	40.2



STRENGTHENING A MORE ROBUST AND DIVERSE PRODUCTION PORTFOLIO IN NORWEGIAN CONTINENTAL SHELF

2P Reserve (MBOE)



New Development Fields

Subsea tie-back to Brage Platform



Net Production

10 KBOEPD

Net 2P Reserve

9.4 MBOE

COD

Target 1H2027

LithiumAmericas

Cauchari-Olaroz project in Argentina: Construction underway with the first production targeted within 2024

BCP holds offtake rights of lithium carbonate up to

6,000 tpa





BANGCHAK INITIATIVE AND INNOVATION CENTER (Biic)

Biic explores opportunities for collaboration with various partners to develop business innovation that will generate new income and profit. Biic is divided into groups, as follows



Corporate Venture Capital (CVC)

Invest in global innovative and disruptive startups to create new strategic partnerships and business opportunities for Bangchak Group. Its investments has extended from green energy and bio-based businesses to hydrogen economy and carbon capture & utilization.



Research and Development (R&D)

Collaborate and fund research institutes and universities for joint research and development of innovative products in the field of green and bio-based technology, as well as intellectual property protection.



Ecosystem and Incubation (E&I)

Create an ecosystem to support innovation through collaboration and incubate the growth of internal and external startups to create new customer experiences, increase revenue and efficiency for Bangchak businesses.



Winnonie

New commercial startup from Biic

An electric motorcycle rental platform for professional purpose that help cut the conventional costs of motorcycle payments, fuel, and maintenance into a singular all-inclusive rental service.

Top in Class : Awards and Achievements in 1H/2024

S&P Global

Top 2 in Oil & Gas
Refinery and
Marketing



Ranked 24th

KINCENTRIC
Best Employers

The 1st and only
Company in Thailand's
Oil Industry.

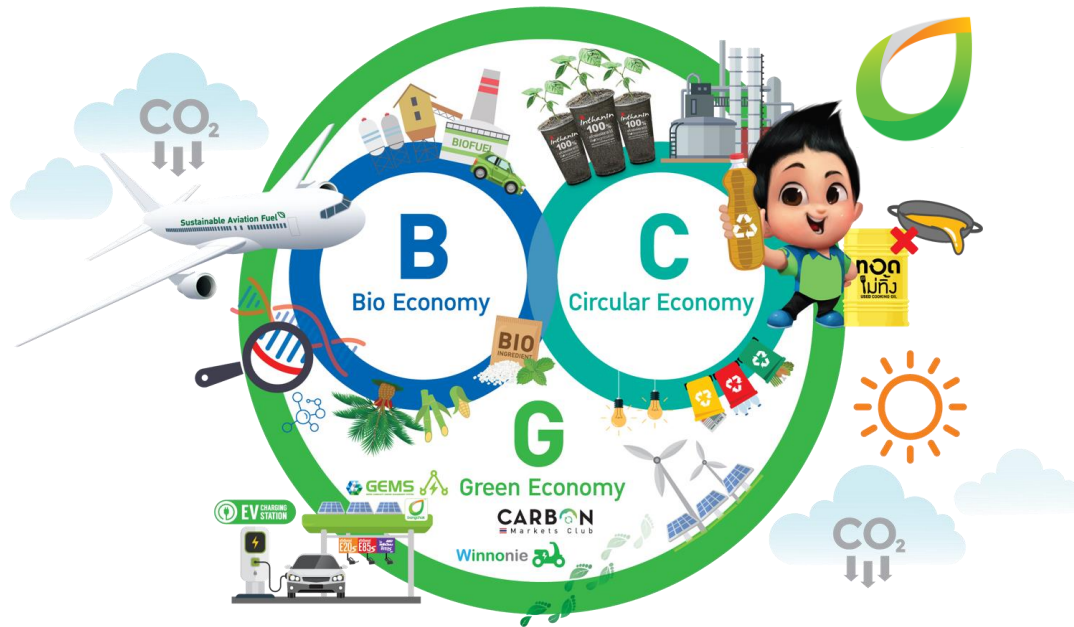


1 of *7* Thai companies
among 350 companies
in Asia-Pacific

 **SET50**



Bangchak has adopted the **“BCG Economy Model”** to create profits, values and sustainability for the Company and stakeholders.



Bio Economy

Focusing on the productive use of biological resource through the use of technology and innovation to transform agricultural products to high-valued biological products

Circular Economy

Emphasizing the worthwhile use of resources, raw materials, and products

Green Economy

focusing on overcoming environmental issues and mitigating their impacts sustainably

Sustainable Development Goals



S&P Global

MSCI ESG RATINGS



CCC B BB BBB A AA AAA

FT FINANCIAL TIMES CLIMATE LEADERS 2024

SET AAA

ESG Ratings 2023

Bangchak Pathway to Net Zero 2050



Target Carbon Neutrality by **2030**



Target Net Zero by **2050**

Breakthrough Performance **30%**

Efficiency and Process Improvement



Energy Intensity Index: EII

97.5

90.5



Emphasizes high quality production processes, efficiency enhancements for **Low Carbon**

- Niche Product
- Furnace Coating
- Solar Roof

Conserving Nature and Society **10%**



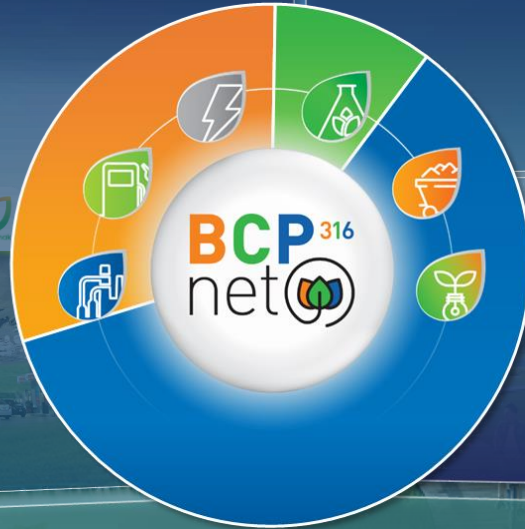
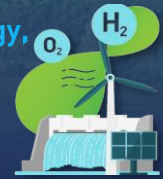
100,000 tCO₂e/y in 2030 onward

Focusing on **Agricultural, reforestation and Mangrove reforestation** campaigns

Proactive Business Growth & Transition **60%**

Green Portfolio, Future Technology, Carbon Capture and Utilization

Partnering with



NET Zero Ecosystem



Winnonie

EV-Bike Platform & Battery Swapping Station

FY 2022 : 422 user, 100 stations



22,000 Users 1,000 Stations in 2025

bsgf



Thailand first

Sustainable Aviation Fuel Producer

7 KBD or 1 ML/D
COD Q4/2024



CO₂ Reduction 80%

Compared to Conventional JET Fuel

btsg

One-Stop Solution Provider

For LNG Supply & Integrated system for logistic and industrial customer



20% less CO₂ compared to Diesel

bfpl



BFPL's fuel transportation business, providing low-carbon fuels



30,000 tCO₂e/year



Carbon credit linked FX with Kasikorn Bank



STOCK INFORMATION

BCP

Bangchak Corporation
Public Company Limited
 As of 30 Jun 2024

Resources/Energy & Utilities
SET50 / SET100 / SETCLMV / SETESG
Establish Date 08/11/1984



A Strategic Partner of S&P Global

Credit Rating

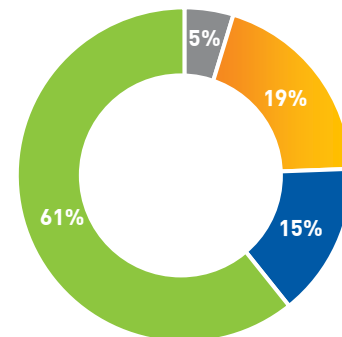
A+

Credit Alert

Stable

% OF SHAREHOLDER

As of 7 March 2024



No. Listed shares

1,376,923,157 shares

- Ministry of Finance
- Vayupak Fund 1
- Social Security Office
- Public

Paid-up (MB.)	Listed Date	Par	Foreign Shareholder
1,376.92	02/08/1994	1.00 Baht	17.23%
Market Cap (MB.)	Price (THB/Share)	52 Week High/Low	NVDR Shareholder
51,635	37.50	47.50 / 34.75	18.28%

DIVIDEND PAYMENT IN THE PAST 10 YEARS





BANGCHAK CORPORATION PUBLIC COMPANY LIMITED

2098 M Tower Building, 8th Floor, Sukhumvit Road, Phra Khanong Tai, Phra Khanong,
Bangkok 10260 Thailand.

Tel.: +66 2335 8663, +66 2335 8518, +66 2335 8662, +66 2335 8040

Email: ir@bangchak.co.th



Corporate Website



IR Website

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