

2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT

In collaboration with



APAC Region

7 to 8, August 2024

Bangkok, Thailand



ACT>>SAF

CORSIA

2024 ICAO REGIONAL SEMINAR ON ENVIRONMENT

In collaboration with **CAAT**
 สำนักงานการขนส่งและอากาศยานของไทย
 The Civil Aviation Authority of Thailand

APAC Region

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Pioneer Bio-Refinery to Produce Sustainable Aviation Fuels (SAF) in Thailand

Jittinant CHANTAROJSIRI

Aviation & Marine Sales Director
 Bangchak Sriracha Public Company Limited



Bangchak Business Portfolio

Register Capital and Paid – up Capital 1,376,923,157 Baht



4.76%

Ministry of Finance



19.85%

Vayupak Fund 1



14.18%

Social Security Office



61.21%

Public (As of 7 March 24)



Sriracha Refinery



OKEA

LEGACY



Phra Khanong Refinery

Refinery & Oil
Trading Business
294 KBD

of nameplate capacity
with **500,000 Tons of Paraxylene**

bsrc Holds 76.34%

OKEA ASA
Holds 45.58%

Natural Resources

Norway-based oil & gas company
with production capacity of
35-40 KBD in 2024

TOUCHPOINT



Marketing Business

Distribution channels through
industrial & retail channels

2,217 Service Stations

GREEN
PLATFORM



Clean Power Business

bcp Holds 57.81%

4 power generation technologies

in 7 countries over the world with
2,049 MW in total



Bio-based Products

bbgi Holds 45.00%

No.1 fully Integrated Biofuel Producer
in Thailand with **1.85 ML/D**
in production capacity

Jet A-1 Production Capability

**Total Jet A-1
160 ML/Month**

Phra Khanong Refinery



Jet Production

75

ML/Month

Bangkok, Thailand



SAF Production Plant (2Q2025)

Transferred via Pipeline (30-36 km)



BKK and DMK Airport

Sriracha Refinery



Jet Production

85

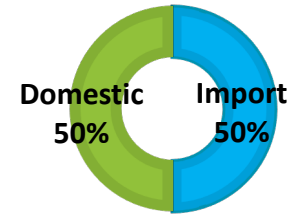
ML/Month

Chonburi, Thailand

Transferred via Pipeline (293 km)

1st SAF Producer in Thailand

Used Cooking Oil (UCO)



- 1 UCO Collecting Point at **Bangchak 162** Service Stations Nationwide



- 2 Strategic Partnership & Being a Shareholder of No.1 Used Cooking Oil Collector in Thailand



SAF Plant



SAF Production **30** ML/Month

- ✈ **Feedstock:** Used Cooking Oil (UCO)
- ✈ **Technology:** UOP Ecofining
- ✈ **Location:** Inside Phra Khanong Refinery (Bangkok), where SAF can be blended with conventional Jet A-1
- ✈ **Logistics:** Pipeline to Airport / Oil Tanker
- ✈ **Target COD:** Q2/2025

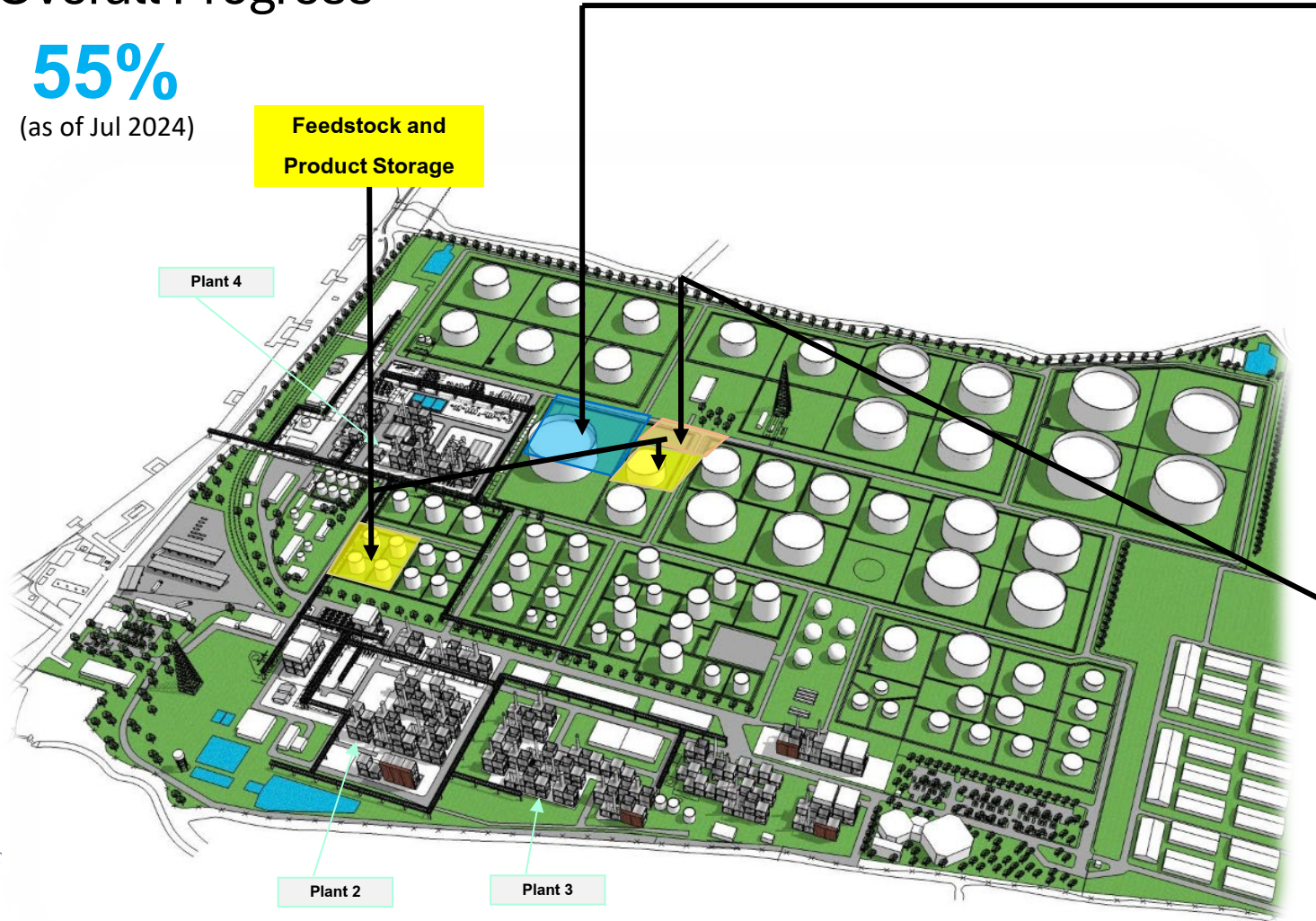
- 3 International Long Term UCO Supply from China, Vietnam, Malaysia, Indonesia

SAF Plant Construction Progress

Overall Progress

55%

(as of Jul 2024)



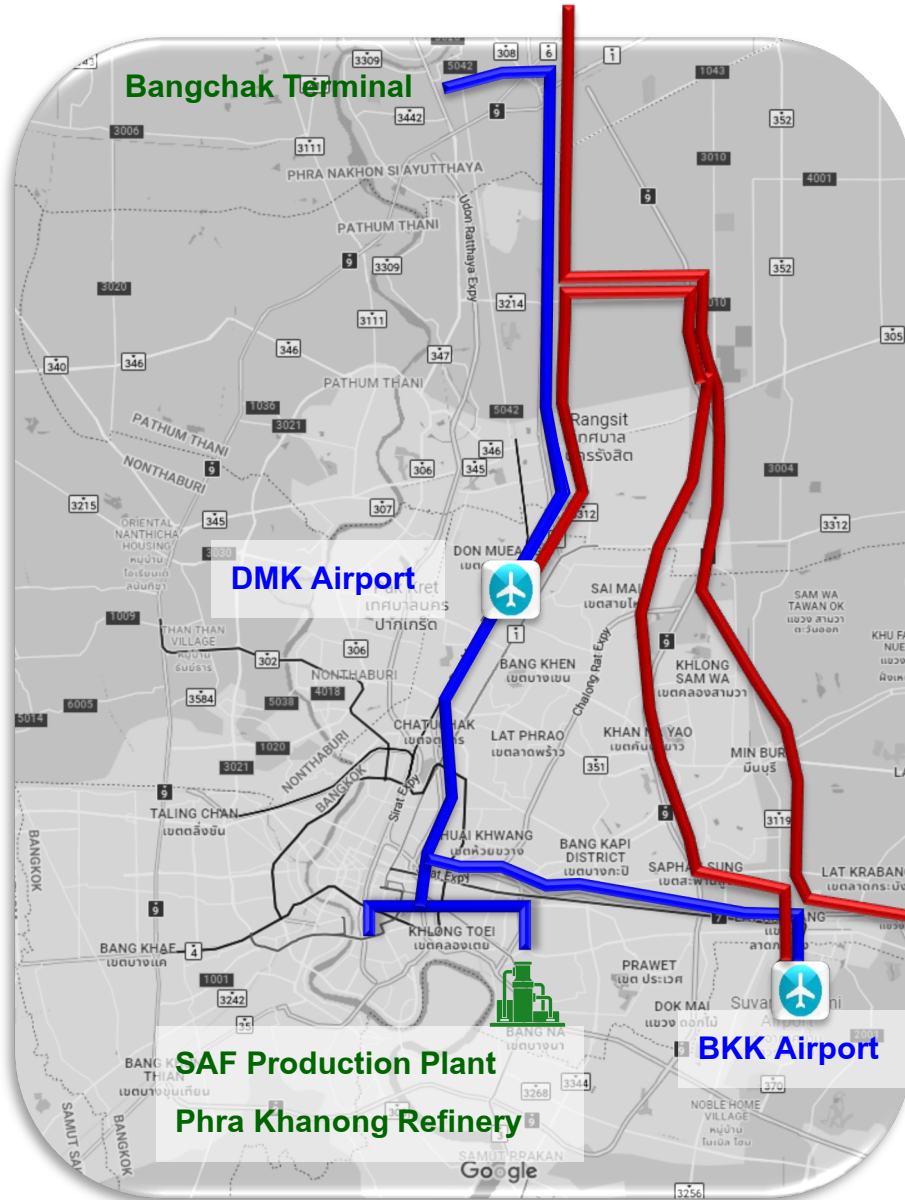
SAF Plant



UCO Pre-Treatment Plant



SAF Logistics to Airport



Blue Pipeline

Bangkok Fuel Pipeline and Logistics Co., Ltd.

wholly owned subsidiary of Bangchak, with executive rights over the fuel pipeline system from Phra Khanong Refinery to DMK and BKK Airport, continuing to Bangchak's Terminal

Red Pipeline

To Sriracha Refinery

Bangchak Group holds 21% shares in this petroleum pipeline transportation service provider, starting from refineries in Rayong province, to Bangchak's Sriracha Refinery, continuing to BKK and DMK Airport.

ISCC Corsia Certified along the whole supply chain



Feedstock Collector

SAF Production

Blending

Trading



To be certified by ISCC
Corsia with in **Q3/2024**



bsgf

To be certified by ISCC
Corsia with in **Q4/2024**




bangchak




bcpt



according to the
Carbon Offsetting and Reduction Scheme for International Aviation (CORSA)
As developed by the International Civil Aviation Organization (ICAO)

Certificate Number: ISCC-CORSIA-Cert-DE100-13026124
SGS Germany GmbH
Europa Allee 12, D-49685 Emstek

certifies that

**BANGCHAK CORPORATION PUBLIC
COMPANY LIMITED**

Soi Sukhumvit 64, Sukhumvit Road, Phra Khanong Tai, Phra
Khanong, Bangkok 210
10260 Bangkok
Thailand

complies with the requirements of CORSIA and the certification system

ISCC CORSIA
(International Sustainability and Carbon Certification)
which is approved by the ICAO Council.

Place of the audit
see above

This certificate is valid from 30. April 2024 to 29. April 2025

The site of the system user is certified as:
trader with storage

Emstek, 30.04.2024
Place and date of issue


SGS Germany GmbH



according to the
Carbon Offsetting and Reduction Scheme for International Aviation
(CORSA)
As developed by the International Civil Aviation Organization (ICAO)

Certificate Number: ISCC-CORSIA-Cert-DE100-13034124
SGS Germany GmbH
Europa Allee 12, D-49685 Emstek

certifies that

BCP TRADING PTE LTD

Robinson Rd. 160 No. 25-03 SBF Center
068914 25-03 SBF Center
Singapore

complies with the requirements of CORSIA and the certification system

ISCC CORSIA
(International Sustainability and Carbon Certification)
which is approved by the ICAO Council.

Place of the audit
see above

This certificate is valid from 30. April 2024 to 29. April 2025

The site of the system user is certified as:
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Regenerative
Happiness
ส่วนต่อ...ความสุขไม่สิ้นสุด

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