

An overview of Thai Sugar industry

The world's second largest exporter
and downstream industry

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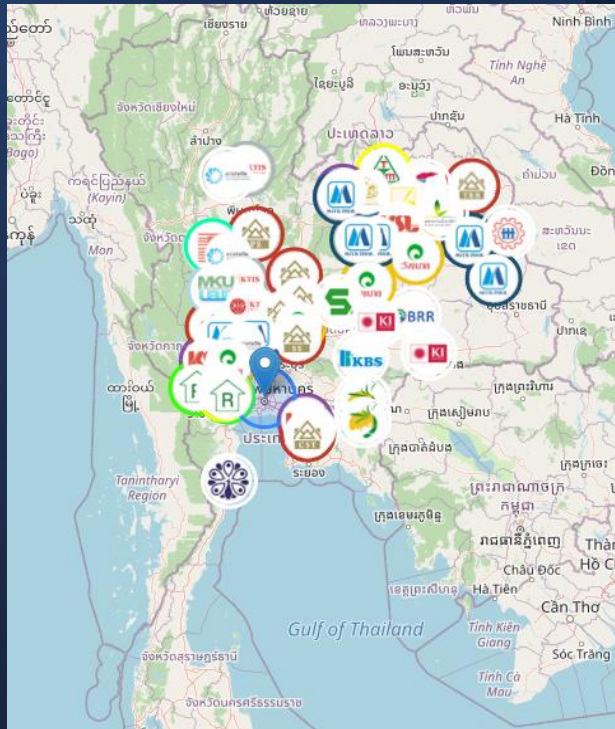
Mitr phol Group

Thai Sugar Industry Overview

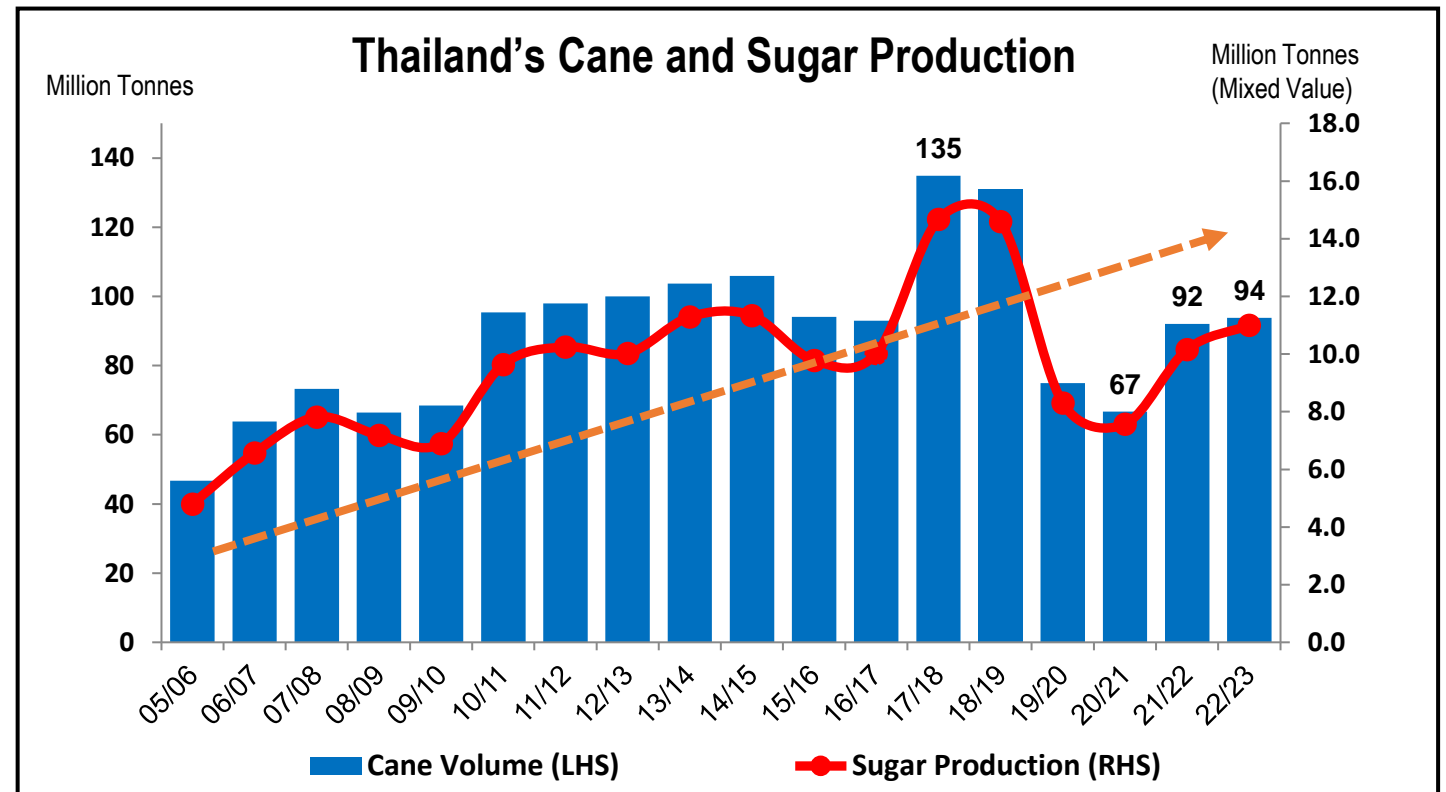
Thailand is world's 2nd Largest Sugar Exporter country

Production

Factory : 57 Mills
 Max Crushing Cap. : 1.3 Million Ton /Day
 Per crop : Mill can crush @ 130 MMT
 Planting Area : 1.6 million hectare



Million tonnes tq.	2018	2019	2020	2021	2022	2023F
Sugar Production	14.7	14.6	8.3	7.7	10.2	11
Domestic consumption (Indirect/ Direct)	2.51	2.47	2.32	2.2	2.5	2.5
Industrial Use Re-Export/ Domestic Raw Sugar	0.7	0.7	0.7	0.7	0.7	0.7
Export	10.7	10.0	6.1	4	7.3	7.5-8



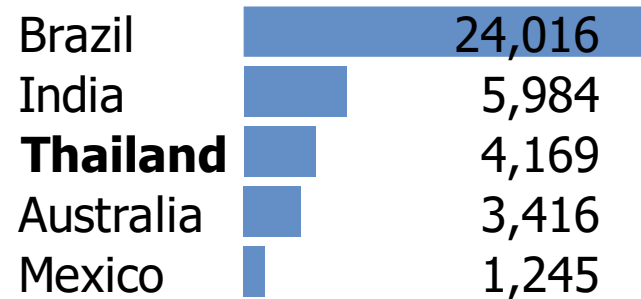
Source : TSMC, OCSB and Mitr Phol Research

Global Sugar Import / Export

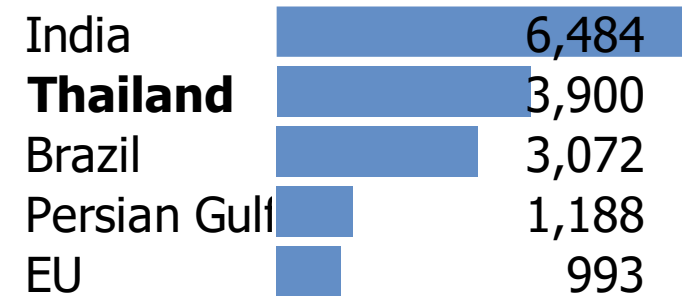
Top 5 sugar Import and Export by Country (2021/22)

('000 ton , raw value)

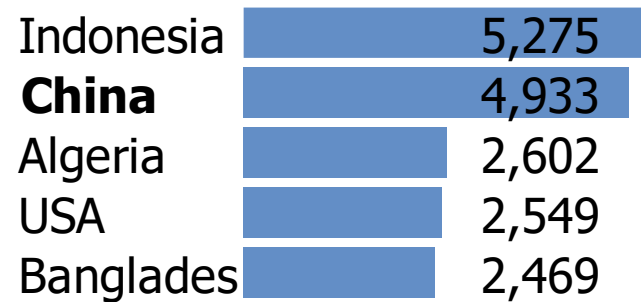
Raw Sugar Export



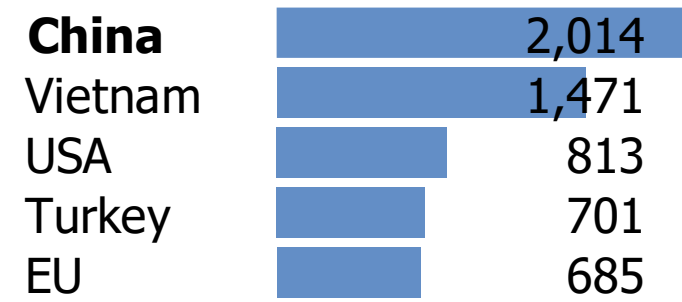
White Sugar Export



Raw Sugar Import

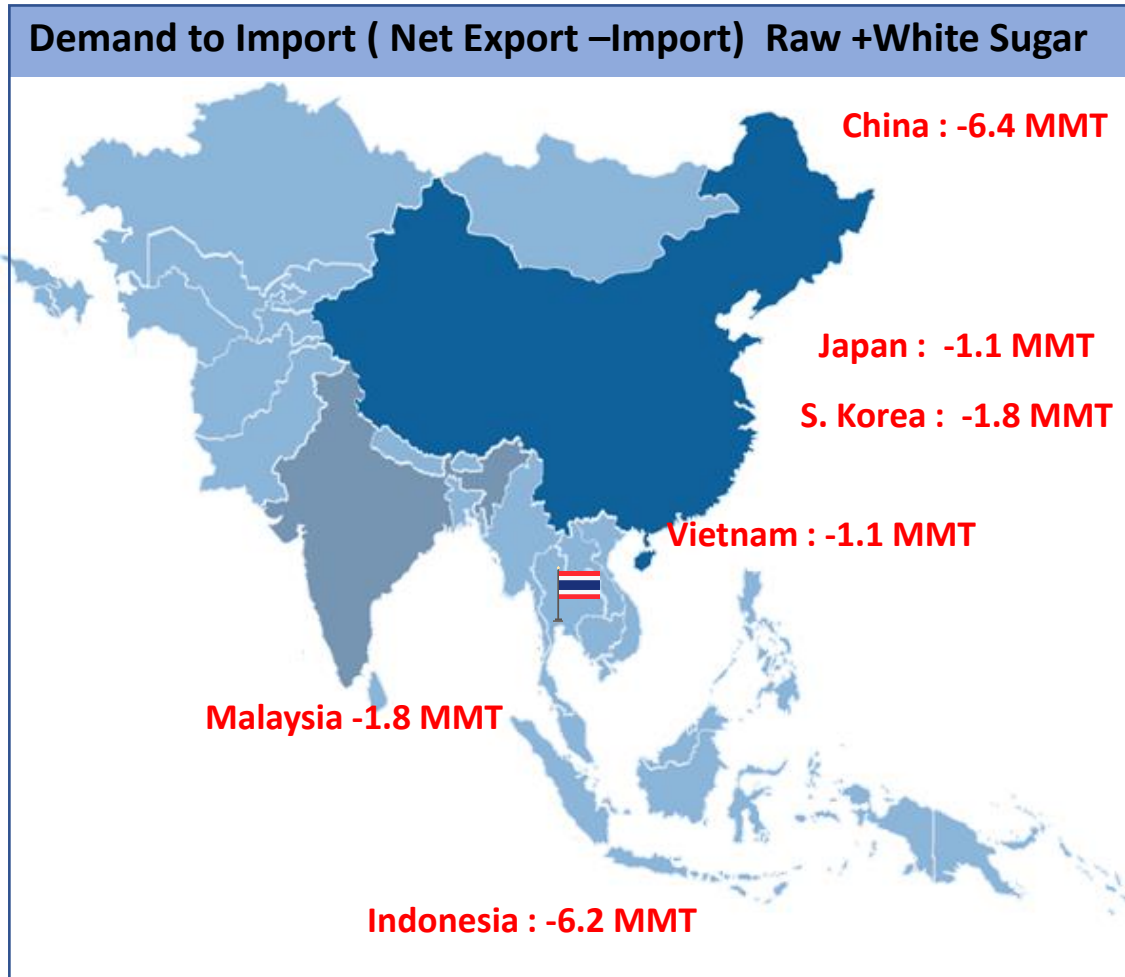


White Sugar Import

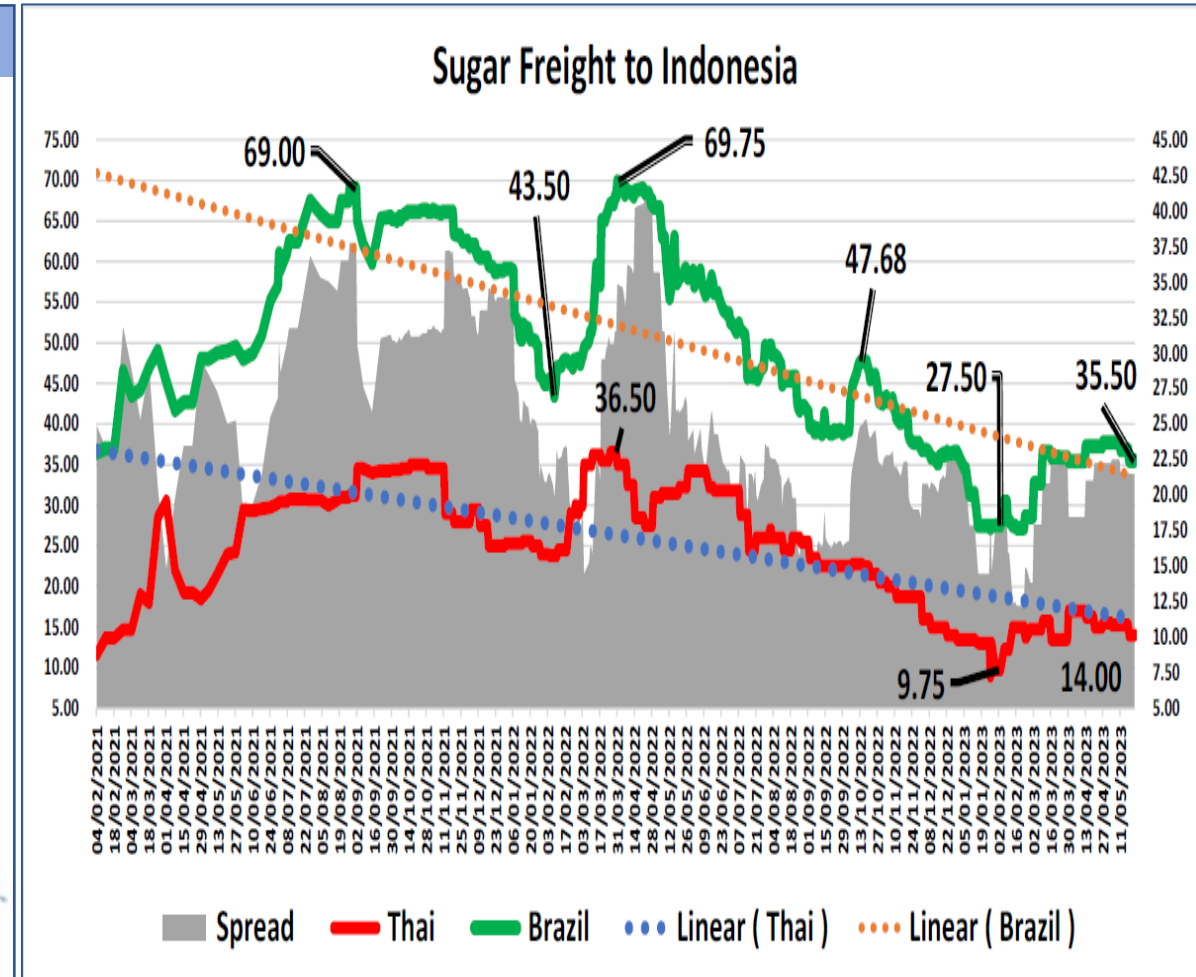


Source : LMC

Thai Sugar Industry competitiveness in Asia Region

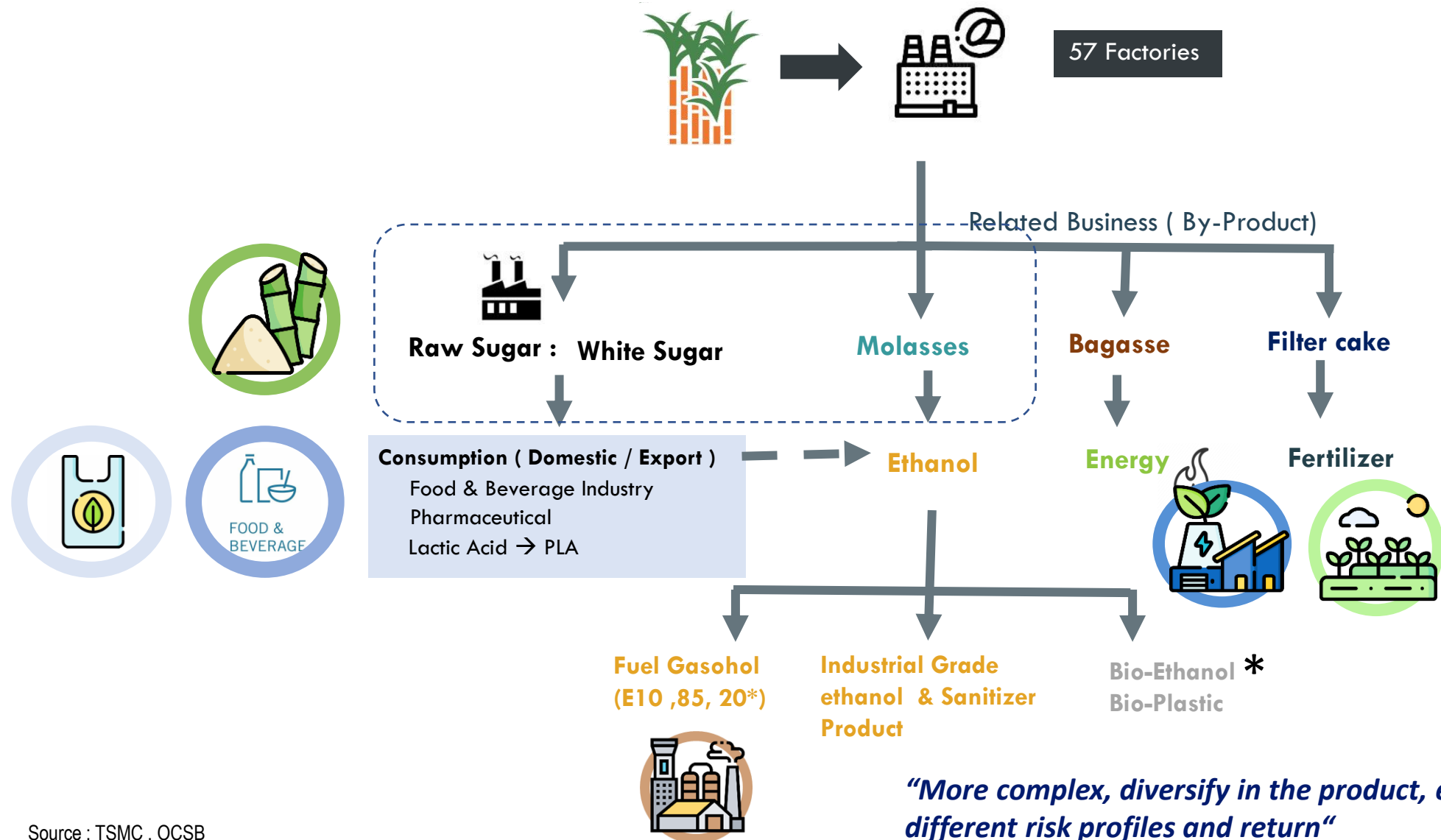


Source : LMC



Source : AP Commodities

Sugarcane and Downstream Industry

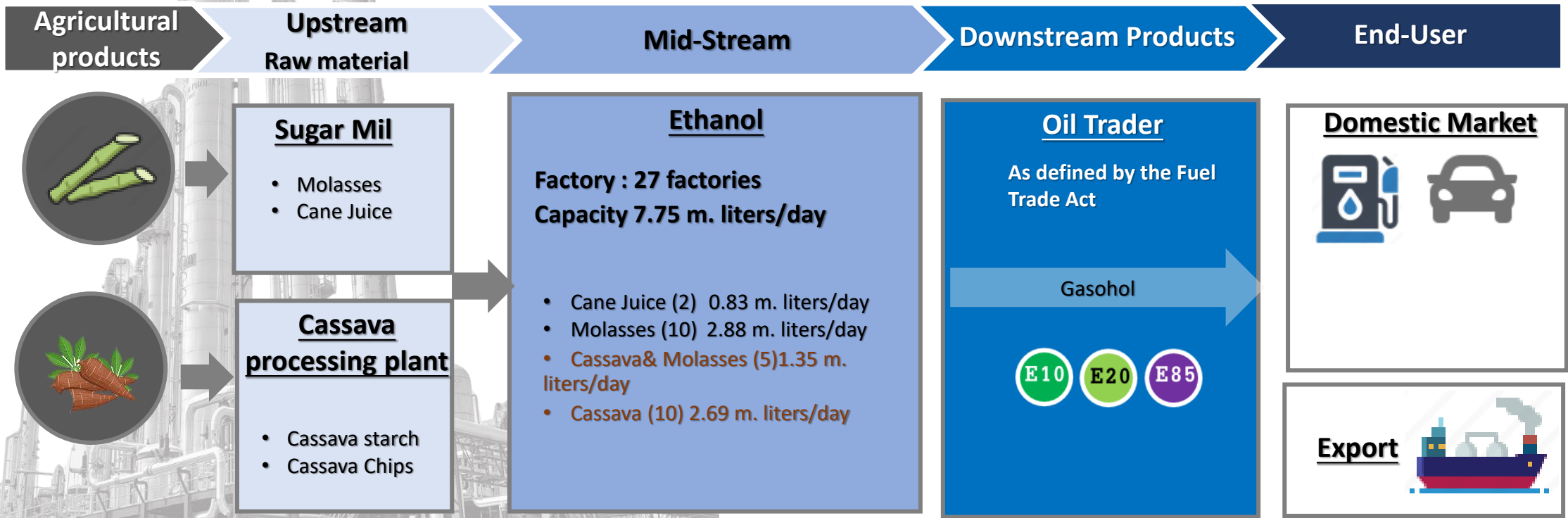


Source : TSMC , OCSB

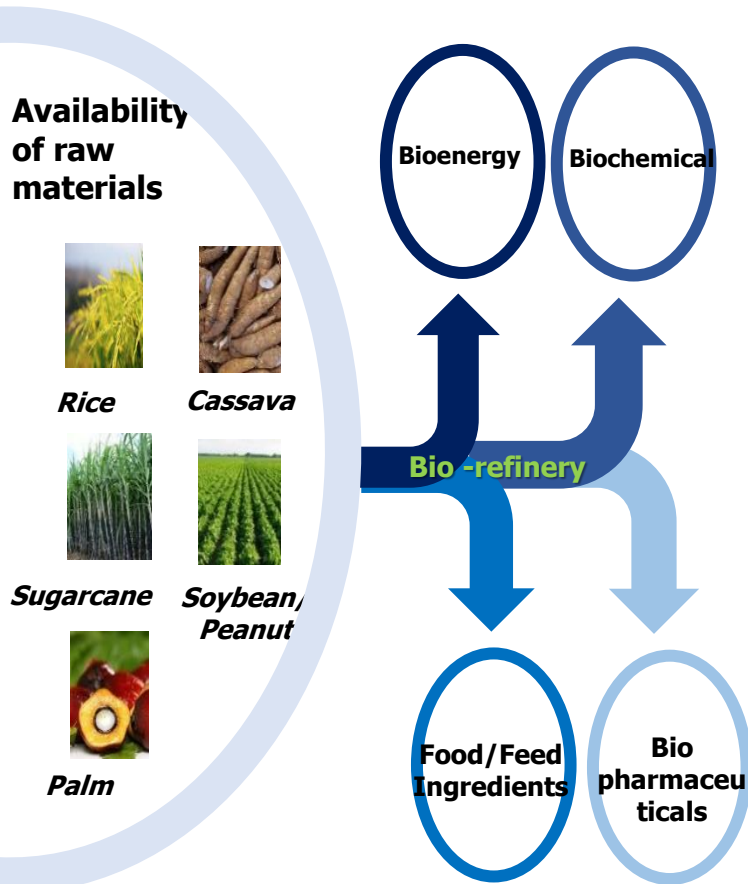
“More complex, diversify in the product, enhance different risk profiles and return”

Thailand Sugar Cane Business and Ethanol

Supply Chain



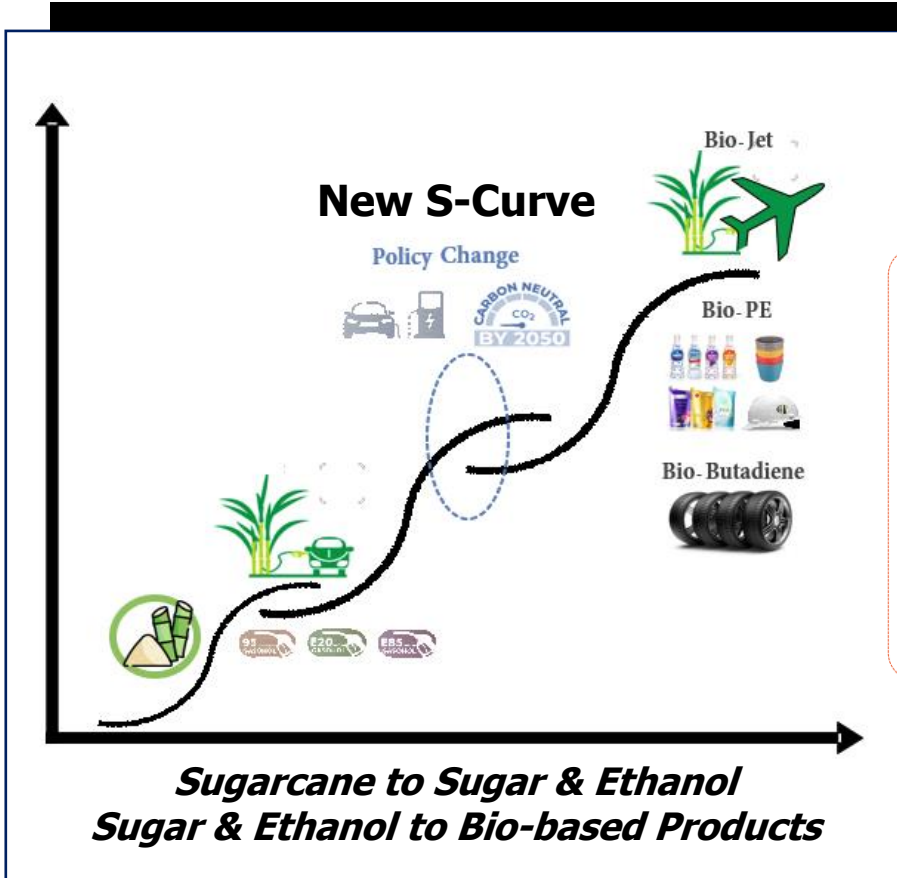
Thailand Bio-complex



New S-Curve

Policy Change

CARBON NEUTRAL CO₂ BY 2050



Sugarcane to Sugar & Ethanol
Sugar & Ethanol to Bio-based Products

Strategic Areas of Thailand's Bio economy

Northern Economic Corridor

@ Nakhon Sawan

- Sugar Biocomplex
- Ethanol
- Electricity
- Lactic Acid
- Bio-succinic Acid

@ Kamphaeng Phet

- Biocomplex
- Electricity
- Ethanol
- Functional sugar
- Yeast Extract
- Dried Yeast
- Beta-glucan

Northeastern Economic Corridor

@ Khon Khan

- Smart Farm
- Biorefinery
- Research Development & Innovation Networking
- Khon Khan Biotech Center

Eastern Economic Corridor

@ Choburi

- Palm Biocomplex
- Biodiesel/ Glycerin
- Surfactants (APG)
- Vitamin E

@ Rayong

- PLA & PBS
- Peritoneal Dialysis Solution

Government long term investment in bio-based product.

Phase II 2019-2021 : Establish Sugarcane / Cassava refinery complexes.

Phase III 2022-2026 : Bio pharmaceutical pilot and commercial plant

Thank you

Q&A

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