

Update on Progress of Eastern Economic Corridor and Post-Covid Industrial Focuses

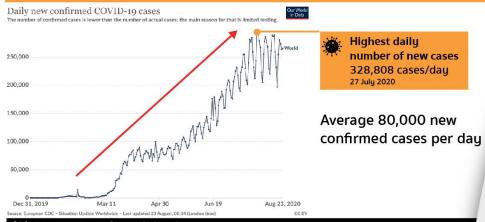
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Eastern Economic Corridor (EEC)



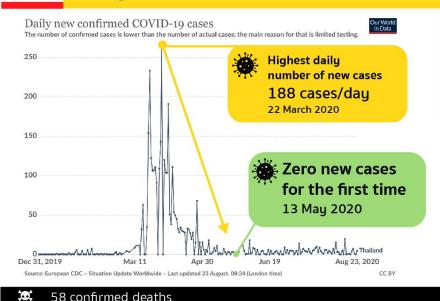
Daily New Confirmed Cases (World)



812,517 confirmed deaths

Source : European CDC

Daily New Confirmed Cases (Thailand)

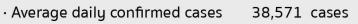


COVID-19 Situation Update

The global pandemic is still ongoing



1. USA



· Total confirmed cases

· Average daily confirmed deaths

2. Brazil

· Average daily confirmed cases

48,590 cases

Total confirmed cases

3,910,901 cases

· Average daily confirmed deaths

619 deaths



3. India

· Average daily confirmed cases 68,770 cases

 Total confirmed cases 3,687,939 cases

· Average daily confirmed deaths 818 deaths

4. Indonesia

· Average daily confirmed cases 2.743 cases

Total confirmed cases

174.796 cases

 Average daily confirmed deaths 74 deaths

Source: https://www.worldometers.info/



· Average daily confirmed cases

6,215,592 cases

512 deaths

2 cases (State Quarantine)

Total confirmed cases

3.412 cases

· Average daily confirmed deaths

0 deaths

Zero new cases for the first time on 13 May 2020

(Reported no new domestic cases for more than 120 days)

58 confirmed deaths

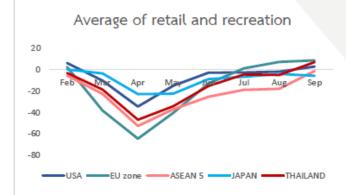
Recovery

Economic activity picks up as Thailand targets for a **rebound** in 2021 and positioning itself in a strong position to attract foreign investors

7 keys indexes signal Thailand's economic recovery Consumer Confidence Index SME Confidence Index Gasoline Sales Index Thai Industries Sentiment Index Gross Schedule Income* Business Sentiment Index Purchasing Manager Index ---- Mean trendline 120 100 80 60 2019 2020 Quarterly data

Source: University of the Thai Chamber of Commerce, Federation of Thai Industries,
Office of Industrial Economics, The Office of SMEs Promotion, Bank of Thailand,
Department of Energy Business, Government Savings Bank

"Travel Mobility in Thailand returns to Pre-Covid 19 level faster than ASEAN 5"



Average of grocery and pharmacy

O Feb Max App May Jun Jul Aug Sep

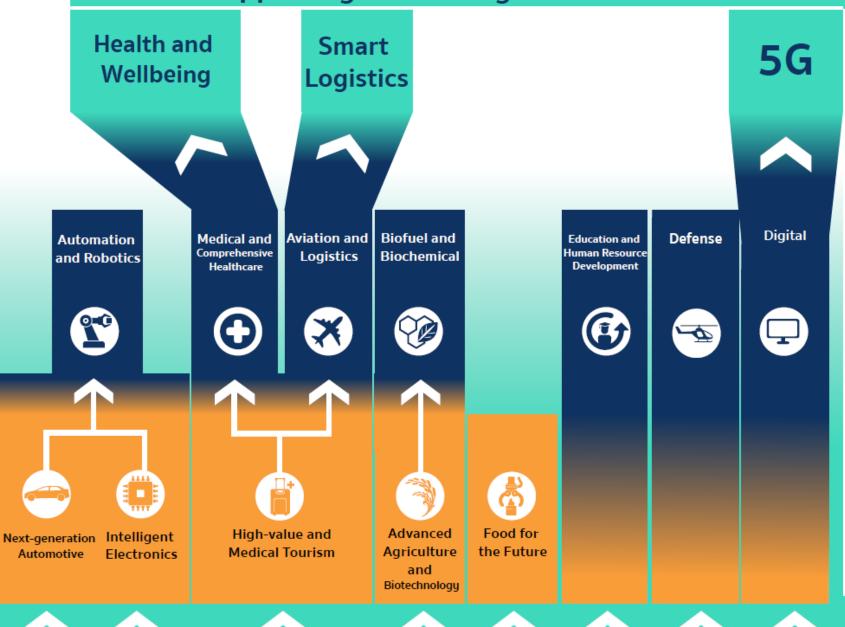
-10
-20
-30
-40

USA EU zone ASEAN 5 JAPAN THAILAND

Source: Google Mobility Index



Creating 3 emerging industry clusters supporting the 12 targeted industries



The **7**New S-Curve

developing into

5 First S-Curve

The High-Speed Rail Linking 3 Airports Project (Don Mueang – Suvarnabhumi – U-Tapao)

Key Points

Main duties and responsibilities:

- State Railway of Thailand (SRT)
- Deliver the Project site to Private Party for the design-build-operations of rail related projects (High-Speed Rail, Airport Rail Link, and Airport Rail Link Extension) and the commercial property development of Makkasan and Si Racha Area
- 2. Jointly invest in the Project over ten years in equal amounts starting from first year of operation
- Private Party
- 1. Carry out the design-building of High-Speed Rail and Airport Rail Link Extension and operations-maintenance of High-Speed Rail, Airport Rail Link, and Airport Rail Link Extension
- 2. Provide compensation towards the Public by sharing revenue of the project (above specified thresholds) and transfer fee for the right to operate the Airport Rail Link
- 3. Pay land leasing fees of Makkasan area and Si Racha area
- Asset Transfer
- For the substantial assets (Civil work, M&E equipment and Rolling stocks for High-Speed Rail, Airport Rail Link, and Airport Rail Link Extension. In addition, civil work for the development of Makkasan area and Si Racha area and commercial operations at the train stations); the Build-Transfer-Operate (BTO) model will be applied
- For the non-substantial assets, the Build-Operate-Transfer (BOT) will be applied

Project Status

- Charoen Pokphand Holding Co., Ltd. (Charoen Phokphand Holding Co., Ltd, China Railway Construction Corporation Limited, Italian-Thai Development Public Company Limited, CH. Karnchang Public Company Limited, Bangkok Expressway and Metro Public Company Limited) is the successful tenderer and is approved by the Cabinet on 13th May 2019
- On 24th Oct 2019, PPPA was signed.



Opportunities

- Potential commercial development joint-investment opportunities in Makkasan and Si Racha area
- Provision of investments along the High-Speed Rail route from Suvarnabhumi to U-Tapao Airport in Rayong – tourism sector growth due to ease of transportation
- Intercity High-Speed Rail route will disperse to various sectors beyond Bangkok, creating greater opportunities to attract investors in high-value industries requiring greater land size



U-Tapao Airport and Aerotropolis Development

Preliminary Masterplan by PPP Co



New Eco-system for Health and Wellbeing

















Food for Future Filtered molasses



Biopharma Phenolic compound







- **Fermentation**
- **Bio-Extraction**





The Latest (4th Generation) & The Largest Synchrotron light source in ASEAN

Infrastructure for Nanotechnology & In-depth research





- **Plant Factory**
- **Phenomics Green** House



Key Eco-system

Genome Sequencing Lab Public/ Private Sector



Providing the Whole Genome Sequencing (WGS) service to Thai people for 50,00 persons. The Private Sector provides equipment, develops the location and proceeds with other actions to render the WGS service. he DNA shall be analyzed/extracted to FASTO file and sent to the National Biobank

Genome Data Center (National Biobank of Thailand)

Public/ Private Sector



Storing data and maintain sustems of long-term back-up data, data storage, high performance central data process

Clinical Interpretation

Public/ Private Sector



Manage and evaluate the information, in order to make the information ready for further diagnosis and selection of curing method

Utilization of Synchrotron

Medical Device

- Used Beam 1st for 3D Printing
- Advanced Materials improvement

Therapy

Proton shooter for Cancer Treatment

Pharmaceutical

Drug Discovery and Development of **New Medicines**

Therapy and Lab Testing

Regenerative Medicines

- Gene editing in stem cell
- iPS Cell Therapy

Preventive Medicines

Bioinformatic and Data analytics



