

# FDI SUPPORTS INVESTMENT OPPORTUNITIES IN INDUSTRIAL FACTORIES AND WAREHOUSES

Knightfrank.co.th/Research







THE PROPORTION OF FOREIGN DIRECT INVESTMENT (FDI) IN 2021 WAS AS HIGH AS 76.73 PERCENT, HIGHER THAN IN 2019 DURING THE COVID-19 CRISIS WHEN FDI WAS 66.95 PERCENT.



FOUR POPULAR INDUSTRY GROUPS, WITH A TOTAL INVESTMENT VALUE OF MORE THAN 262.73 BILLION BAHT, ACCOUNTING FOR 77% OF THE TOTAL FOREIGN INVESTMENT. THE NUMBER ONE GROUP WAS ELECTRICAL AND ELECTRONIC APPLIANCES AT 31% FOLLOWED BY THE MEDICAL GROUP AT 18% THE PETROCHEMICAL GROUP AT 14% AND THE AGRICULTURE AND FOOD PROCESSING GROUP AT 14%.



AT THE END OF 2021, READY-MADE WAREHOUSE SPACE FOR RENT IN CHACHOENGSAO, CHONBURI AND RAYONG AMOUNTED TO 2.3 MILLION SQUARE METRES. IN 2021, THERE WAS A SLIGHT INCREASE IN THE NEW SUPPLY OF WAREHOUSES, AMOUNTING TO 135,000 SQUARE METRES. ON THE DEMAND SIDE, A TOTAL OF 1.9 MILLION SQUARE METRES OF WAREHOUSE SPACE WERE LEASED FROM A TOTAL OF 2.3 MILLION SQUARE METRES, ACCOUNTING FOR AN OCCUPANCY RATE OF 81.7 PERCENT.



AT THE END OF 2021, THE TOTAL AREA OF READY-BUILT FACTORIES FOR RENT IN CHONBURI AND RAYONG AMOUNTED TO 1.5 MILLION SQUARE METRES. THE NEW SUPPLY WAS UP TO 30,000 SQUARE METRES. ON THE DEMAND SIDE, A TOTAL OF 1.2 MILLION SQUARE METRES OF READY-BUILT FACTORIES WERE LEASED FROM A TOTAL FACTORY SPACE OF 1.4 MILLION SQUARE METRES.

## 3 NEW S-CURVE INDUSTRIES GREW 30% TO 172% FROM 2019 TO 2021, WITH A TOTAL INVESTMENT OF OVER 98 BILLION BAHT

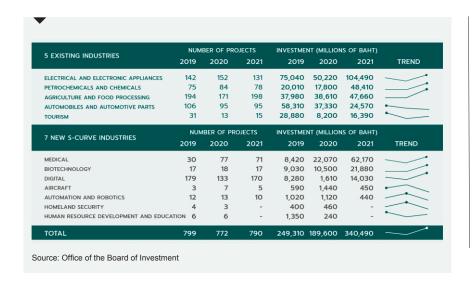
#### FOREIGN INVESTMENT APPLICATION STATISTICS **YEAR** 2018 2019 2020 1.517 1,523 1,599 1,674 5% NUMBER OF PROJECTS VALUE OF INVESTMENT (MILLIONS OF BAHT) 814,857 691,386 404,610 642,680 PROPORTION OF FDI 76.73% 66.59% 66.59% 47.80% 29% Source: Office of the Board of Investment

FOREIGN INVESTMENT (MILLIONS OF BAHT) JAPAN 28% 73,503 47,599 34,184 UNITED STATES 13% 28,126 taiwan 7% 18,027 15,336 ITALY 5% 13,158 12,991 10,000 NORWAY 4% Source: Office of the Board of Investment

Over the past three years, almost every business sector experienced the impacts of an economic slowdown and the spread of Covid-19. Also, the current war between Russia and Ukraine acts as a catalyst for disruption to the overall economy. On the whole, business recovery remains slow, but it is well accepted that the main drivers of economic recovery in the country include the industrial and export sectors, which offer investment opportunities during these times of crisis. The industrial sector itself has improved due to the picking up of demand for imports and exports, which signals the economic recovery of the country's trade partners. In terms of investment capital in the Thai industrial sector, there has been an increase in many areas, especially in the petrochemical, food, and medical sectors. Domestic transportation activities continue to meet the demand from e-commerce and work from home policies, which enables people to order more products online. In addition, the electric vehicle group is another interesting sector; given the foreign investment to set up factories and production lines in Thailand, this sector will likely lead to an increase in demand for real estates, such as warehouses for rent, in the future.

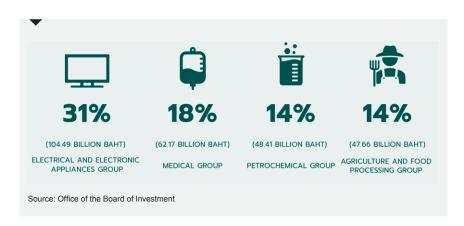
In 2021, the application for investments by foreigners totaled more than 642.68 billion baht, a figure that is close to the total investment in 2019, before the Covid-19 crisis, of 691.386 billion baht. In addition, the proportion of foreign direct investment (FDI) in 2021 was as high as 76.73 percent, higher than in 2019 during the Covid-19 crisis when FDI was 66.95 percent. These figures reflect upcoming trends in the next 1 to 2 years when investment projects in the application process start to gradually be approved.

## APPLICATION FOR INVESTMENT IN TARGET INDUSTRIES IN 2021 INCREASED BY 80 PERCENT



In 2021, 790 investment projects were submitted in the targeted industries with a total value of 340.49 billion baht, reflecting an increase of 80 percent from the previous year and an increase of 37 percent from 2019 before the Covid-19 crisis hit. Existing industries that are in an uptrend include electrical and electronic appliances, petrochemicals and chemicals (on the merits of e-commerce growth), and agriculture and food processing. The new industry groups or the New S-Curve that are on an upward trajectory most prominently include the medical group, followed by the biotechnology and digital groups.

### **4 POPULAR INDUSTRIAL GROUPS FOR FOREIGN INVESTMENT**



In 2021, the current investment of foreigners in Thailand concentrated around four popular industry groups, with a total investment value of more than 262.73 billion baht, accounting for 77 percent of the total foreign investment. The number one group was electrical and electronic appliances at 31 percent (104.49 billion baht), followed by the medical group at 18 percent (62.17 billion baht), the petrochemical group at 14 percent (48.41 billion baht), and the agriculture and food processing group at 14 percent (47.66 billion baht).

### **MEDICAL INDUSTRY IS MOST PROMINENT (NEW S-CURVE)**



CHANGES IN INVESTMENT RANKING, BY INDUSTRY GROUP NUMBER OF PROJECTS INVESTMENT (MILLIONS OF BAHT) INDUSTRY TREND CAGR 2019 2020 2021 2019 2020 2021 142 152 131 75,040 50,220 104,490 18% ELECTRICAL AND ELECTRONIC APPLIANCES 8,420 22,070 62,170 MEDICAL 30 77 71 75 78 20,010 17,800 48,410 PETROCHEMICALS AND CHEMICALS 84 56% 37,980 AGRICULTURE AND FOOD PROCESSING 194 171 198 38,610 47,660 12% 58,310 24,570 -35% **AUTOMOBILES AND AUTOMOTIVE PARTS** 106 95 95 37,330 17 BIOTECHNOLOGY 17 18 9,030 10,500 21,880 56% -25% TOURISM 31 13 15 28,880 8,200 16,390 DIGITAL 179 133 170 8,280 1,610 14,030 30% 590 1,440 -13% AIRCRAFT 450 1,020 1,120 -34% AUTOMATION AND ROBOTICS 12 13 10 440 HOMELAND SECURITY 3 400 460 HUMAN RESOURCE DEVELOPMENT AND EDUCATION 1.350 240 249,310 189,600 Source: Office of the Board of Investment

Investment capital in the medical industry grew rapidly. From being in seventh place in 2019, it moved up to fourth place in 2020 and rose to second place in 2021 with an investment of 62.17 billion baht. This represented an average CAGR of 172 percent from 2019 to 2021, driven by three main factors: 1. Treatment standards and quality of service; 2. Medical hub policy announced by the government in 2003; and 3. Thailand's goal of become the centre of medical device exports to neighbouring countries (CLMV). Most of the popular sites for medical industry factories or warehouses are located in the Eastern Economic Corridor (EEC). This is an area where the government supports investment to become a medical hub and expand the medical device export market to CLMV countries.

# THE MARKET FOR WAREHOUSES AND INDUSTRIAL FACTORIES EXPANDED WELL

The Research and Project Development Consultancy of Knight Frank Chartered (Thailand) Co., Ltd., a specialist in real estate investment analysis and investment trust establishment, surveyed and assessed the overall industrial and

warehouse market in 2021, and saw significant and positive signs from the expansion of the market for warehouses and ready-made factories for rent. A summary of the findings is as follows:

# THE MARKET FOR READY-MADE WAREHOUSES FOR RENT IN CHACHOENGSAO, CHONBURI AND RAYONG

At the end of 2021, ready-made warehouse space for rent in Chachoengsao, Chonburi and Rayong amounted to 2.3 million square metres. In 2021, there was a slight increase in the new supply of warehouses, amounting to 135,000 square metres. Most of this space is in Chonburi at 60 percent, followed by Chachoengsao at 30 percent and Rayong at 10 percent. Chachoengsao, Chonburi and Rayong are three provinces located in the Special Economic Zone (EEC) that receives support from the government. This has helped draw developers to engage in project development in this area. We believe that there will be an investment in setting up factories in such areas as well as corresponding demand. It is thus expected that this area will need more warehousing space in the future.

On the demand side, a total of 1.9 million square metres of warehouse space were leased from a total of 2.3 million square metres, accounting for an occupancy rate of 81.7 percent. The occupancy rate increased in 2020, which was 79.3 percent, and the rented warehouse space increased in 2020 by approximately 160,000 square metres. The average annual take-up of warehouse space rentals in this area for the past 5 years is approximately 140,000 square metres per year.

# THE MARKET FOR READY-MADE FACTORIES FOR RENT IN CHONBURI AND RAYONG

At the end of 2021, the total area of ready-built factories for rent in Chonburi and Rayong amounted to 1.5 million square metres. The new supply was up to 30,000 square metres (in 2019, no new supply was added, and in 2020, the new supply was around 50,000 square metres). Most of the prefabricated factories are located in Chonburi province at 62 percent of the supply, while Rayong province housed 38 percent. Such factories in this area increased a lot because Chonburi and Rayong are two provinces in the Special Economic Zone (EEC) that receive tax incentives from the government. Also, this area is an important production base

for growing industries such as medical devices. Main products include rubber gloves, catheters, syringes and wound dressings, which have expanded the market during the Covid-19 outbreak. On the demand side, at the end of 2021, a total of 1.2 million square metres of ready-built factories were leased from a total factory space of 1.4 million square metres. This marks an occupancy rate of 86.5 percent, which is slightly increased from the 86.3 percent rate in 2020 (the average occupancy rate of prefabricated factories in this area has an annual take-up of roughly 40,000 square metres per year).

## INDUSTRY TRENDS IN 2022

Thailand's industrial sector and exports are likely to continue to expand due to the easing of the Covid-19 situation, the gradual recovery of the global economy and the re-opening of countries. Also, the government has measures to promote investment via the Office of the Board of Investment (BOI), which will attract more foreign investors to the country. The main industrial and export sectors, such as electrical appliances and electronics, petrochemicals, and agriculture and food processing, will continue their prominence. The new targeted industries that have been expanding well are expected to be in business groups that align with the government's investment promotion policy related to new target industries (New S-Curve). Moreover, the public sector will continue to support business operations in other industries that will be a driving

force of the Thai economy in the future, such as services related to the high-speed rail project connecting three airports; engineering design services; business services related to advanced international distribution centre and warehouse projects; digital platform design and development services; international business centre (IBC) services for overseas affiliates; control of production, packaging, storage, inspection, and quality assurance services of chemicals; wastewater treatment; licensing and sub-licensing services of software and applications related to medical procedures; installation, repair and maintenance services for solar photovoltaic power generation systems and related products; and EV charging station services for electric vehicles and services for the use of management systems in such stations.

### We like questions, if you've got one about our research, or would like some property advice, we would love to hear from you.



PHANOM KANJANATHIEMTHAO
Chairman
+66 (0) 2643 8223 Ext 124
phanom.kanjanathiemthao@th.knightfrank.com



NATTHA KAHAPANA

Managing Director
& Head of Phuket Operation
+66 (0)2643 8223 Ext 300
nattha.kahapana@th.knightfrank.com



SURASAK LIMPA-ARAYAKUL
Executive Director,
Head of Valuation and Advisory
+66 (0)2643 8223 Ext 143
surasak.limpa-arayakul@th.knightfrank.com



SUNCHAI KOOAKACHAI

Director, Head of Research and Advisory
+66 (0)2643 8223 Ext 188
sunchai.kooakachai@th.knightfrank.com



EKKARACH TANGSUKKASEMSAN

Manager
+66 (0)2643 8223 Ext 180
ekkarach.tangsukkasemsan@th.knightfrank.com

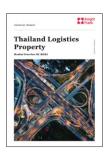
#### RECENT MARKET-LEADING RESEARCH PUBLICATIONS



Bangkok Office Market Overview Q3 2021



Bangkok Resale Condominium Market Overview September 2021



Thaialand Logistics Property Market Overview H1 2021



Super Prime & Prime Condominium in Bangkok Market Overview 1H 2021



Thailand Reale Estate Highlight Market Overview 1H 2021

Knight Frank Thailand Research, Reports are available at knightfrank.co.th/Research



Knight Frank Thailand Research provides strategic advice, consultancy services and forecasting to a wide range of clients worldwide including developers, investors, funding organisations, corporate institutions and the public sector. All our clients recognise the need for expert independent advice customised to their specific needs. Important Notice: © Knight Frank Thailand 2021. This report is published for general information only and not to be relied upon in any way. Although high standards have been used in the preparation of the information, analysis, views and projections presented in this report, no responsibility or liability whatsoever can be accepted by Knight Frank Thailand for any loss or damage resultant from any use of, reliance on or reference to the contents of this document. As a general report, this material does not necessarily represent the view of Knight Frank Thailand in relation to particular properties or projects. Reproduction of this report in whole or in part is not allowed without prior written approval of Knight Frank Thailand to the form and content within which it appears. Our registered office is 33/4, The 9th Towers, Grand Rama 9, Tower A, 31st Fl., Unit No. TNA 01-04 Rama 9 Road, Huaykwang District, Bangkok 10310 Thailand.