

Thailand's Eastern Economic Corridor (EEC)

“Excellent hub for aircraft manufacturing and maintenance”



Muk Sibunruang

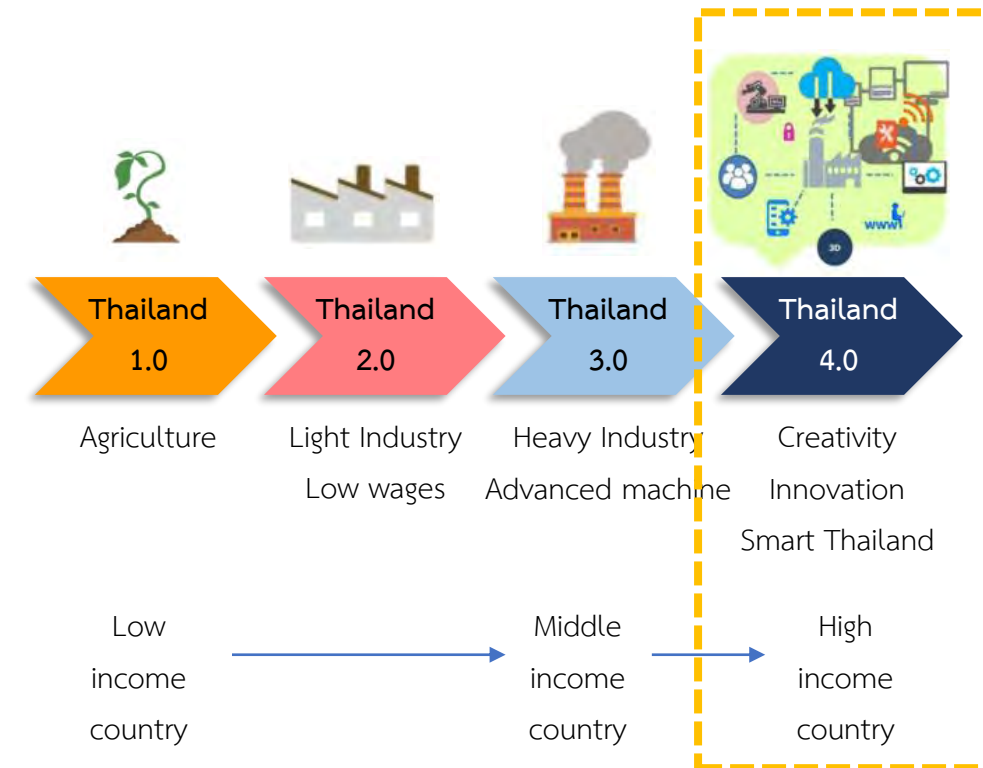
Executive Director

U-Tapao Airport City Project Management

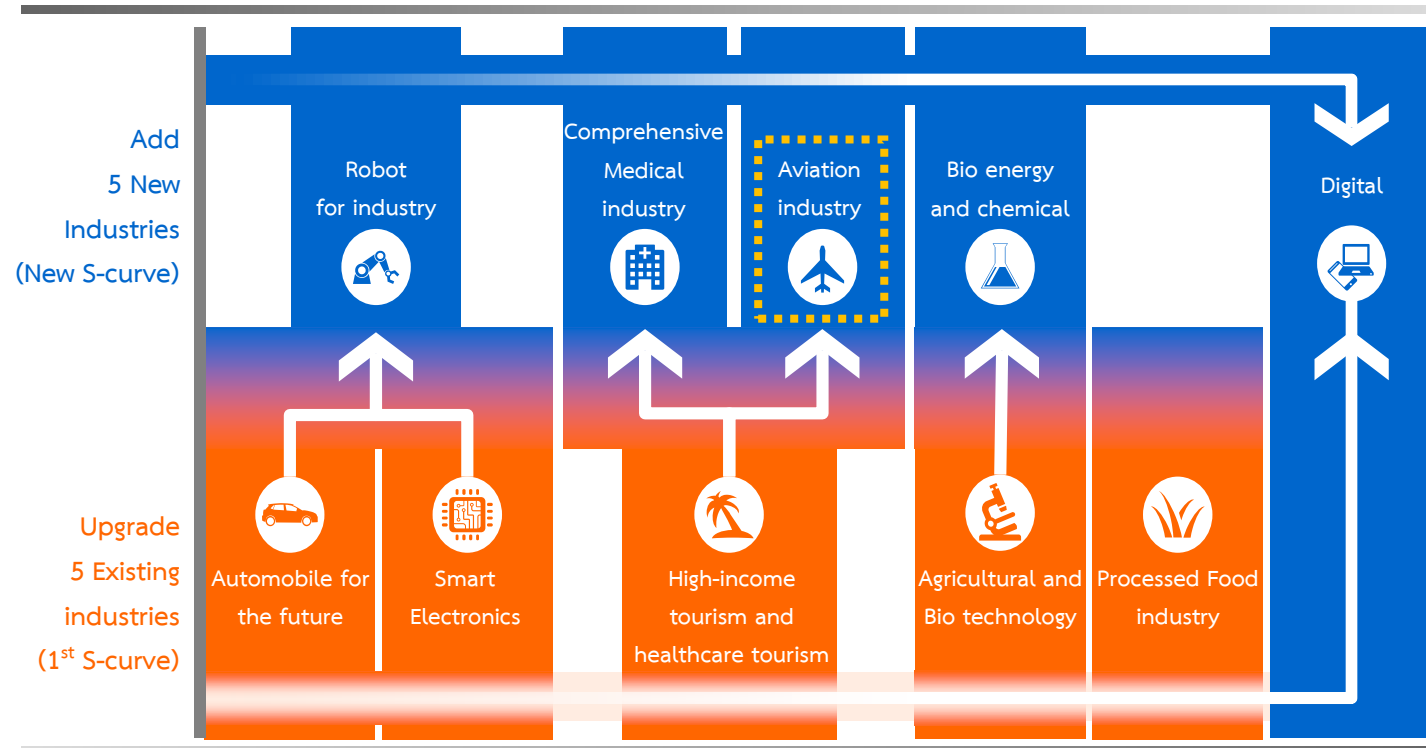
According to Thailand 4.0 policy, “AVIATION industry” is set by the government of Thailand as one of key targeted new S-curve industry in order to enhance the country to high value-added economy (i.e. high income level).

THAILAND 4.0

SMART INDUSTRY + SMART CITY + SMART PEOPLE



10 targeted industries within EEC area under Thailand 4.0 program



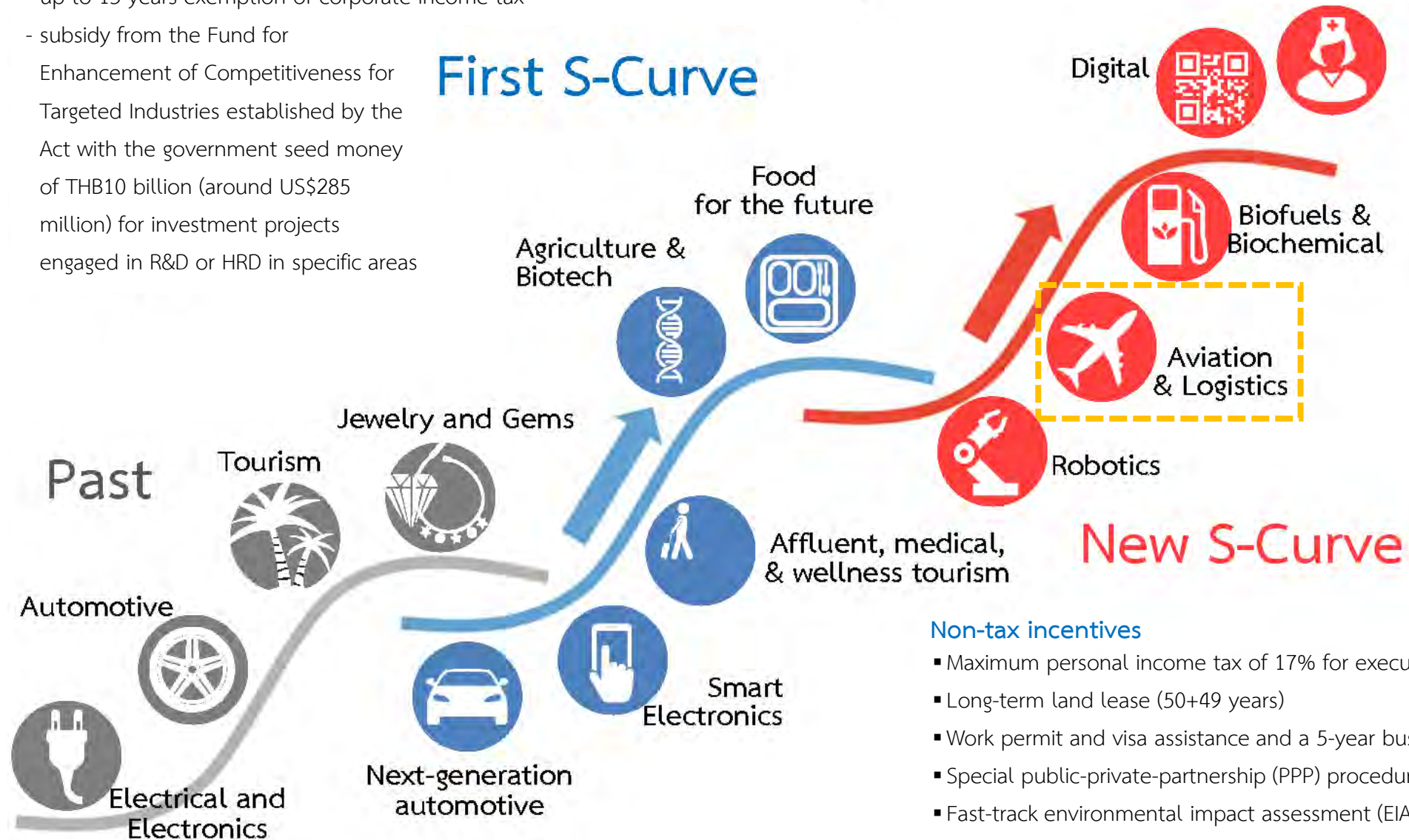
Attractive tax and non-tax incentives are provided to investment in New S-Curve business in EEC.

The National Competitiveness Enhancement for Target Industries Act B.E. 2560 (2017)

- up to 15 years exemption of corporate income tax
- subsidy from the Fund for

Enhancement of Competitiveness for Targeted Industries established by the Act with the government seed money of THB10 billion (around US\$285 million) for investment projects engaged in R&D or HRD in specific areas

Comprehensive Medical Industry

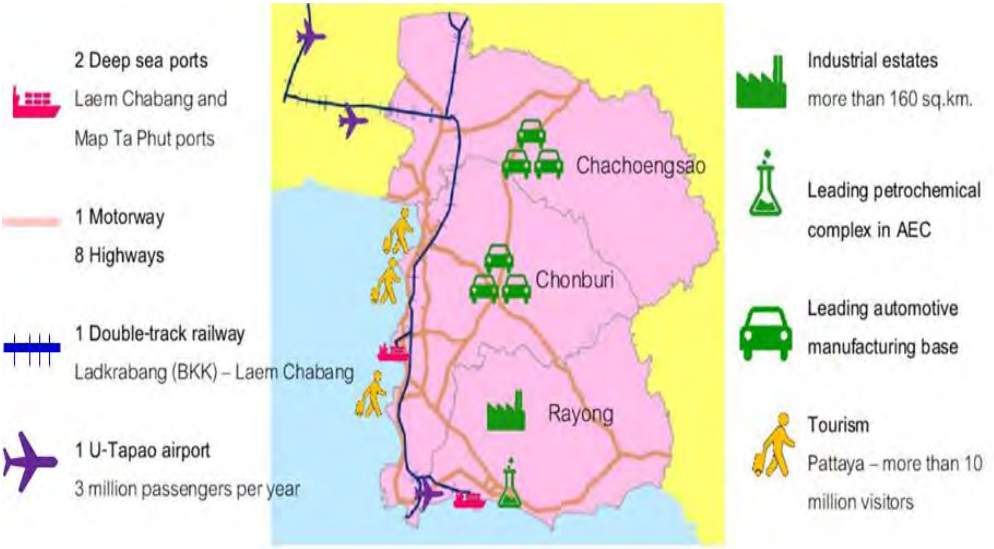


Non-tax incentives

- Maximum personal income tax of 17% for executives and experts
- Long-term land lease (50+49 years)
- Work permit and visa assistance and a 5-year business visa
- Special public-private-partnership (PPP) procedure (3-month approval)
- Fast-track environmental impact assessment (EIA)
- Foreign currency account and use of foreign currencies without exchanging into Thai baht

EEC is the enhancement of the former Eastern Seaboard (ESB) Development Program that had supported Thailand as a powerhouse for industrial production in Thailand for over 30 years. With good infrastructures, logistic systems and industrial estate areas together with further infrastructure investment program will make EEC become an attractive investment destination.

Existing infrastructures and industrial estates



EEC: Focused project and investment plan in 5 years

EASTERN ECONOMIC CORRIDOR (EEC)

4 Core Areas 15 Projects & 5 High Priority Projects

- 1 Aerotropolis: U-Tapao International Airport
- 2 High speed train linking 3 airports
- 3 Laem Chabang Port Phase 3
- 4 Map Ta Phut Port Phase 3
- 5 Sattahip Commercial Port
- 6 Dual Track Rails linking 3 seaports
- 7 Highways & Motorway
- 8 Next generation Automotive (EV/AV)
- 9 Aviation Industry, Robotics & Smart Electronics
- 10 Advanced Petrochemical & Bioeconomy
- 11 Medical Hub
- 12 Tourism
- 13 Global Business Hub / Free Trade Zone
- 14 New cities: Chachoengsao Pattaya Rayong
- 15 Public Utilities

5 High Priority Projects +++

- Infrastructure
- Business/Industry
- Tourism
- New Cities
- + EECi
EEC of Innovation
- + EECd
EEC of Digital Park
- + Education



TG MRO Campus

MRO Center

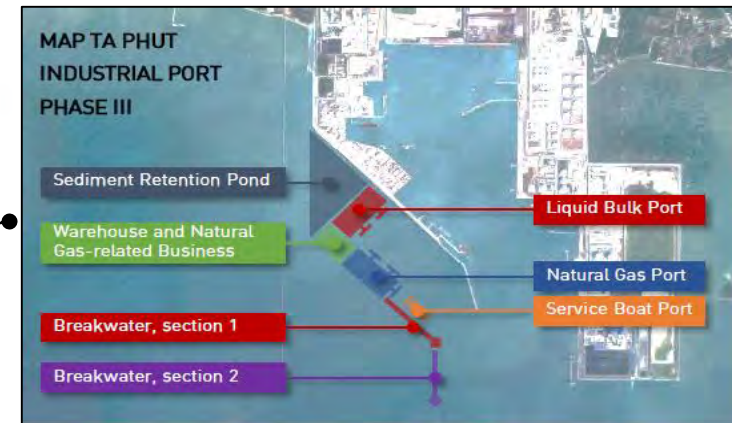
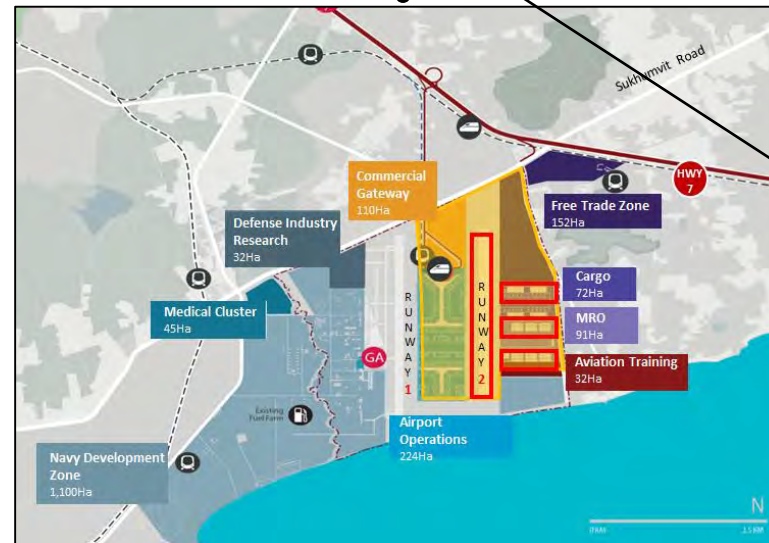
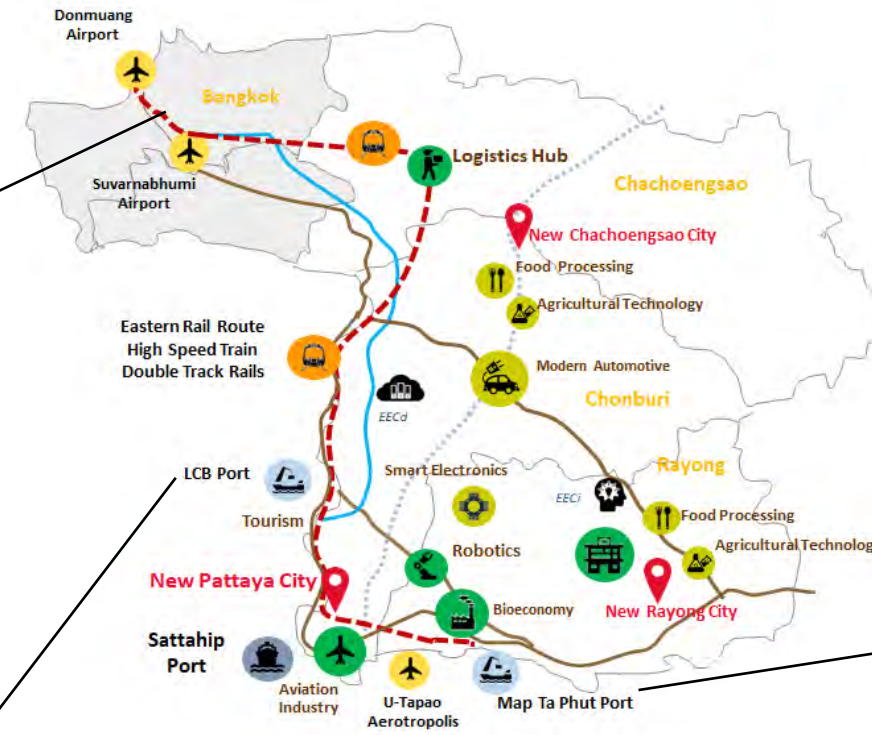
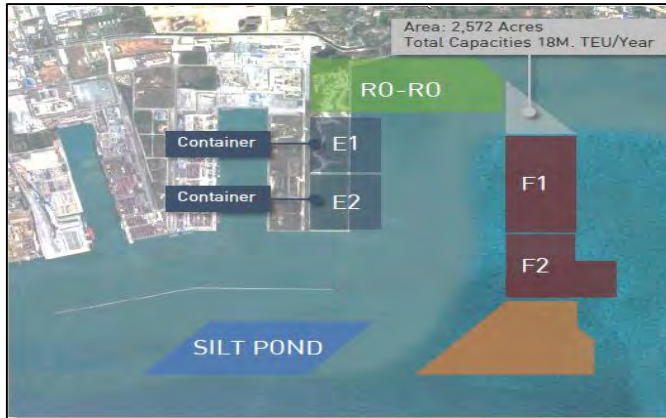
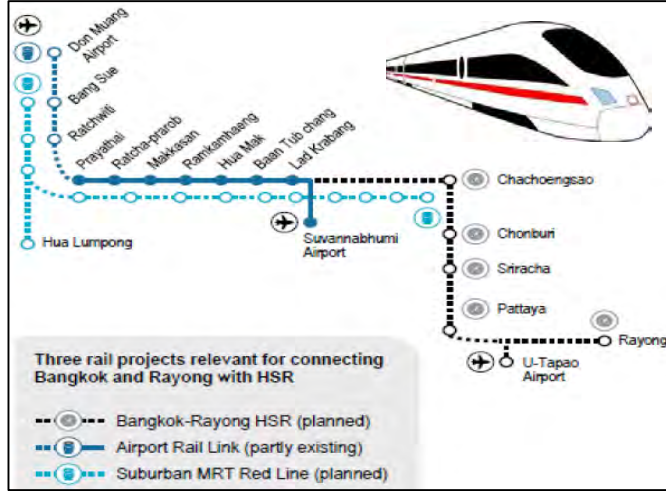
U-Tapao International Airport

5 Infrastructure Projects for PPP

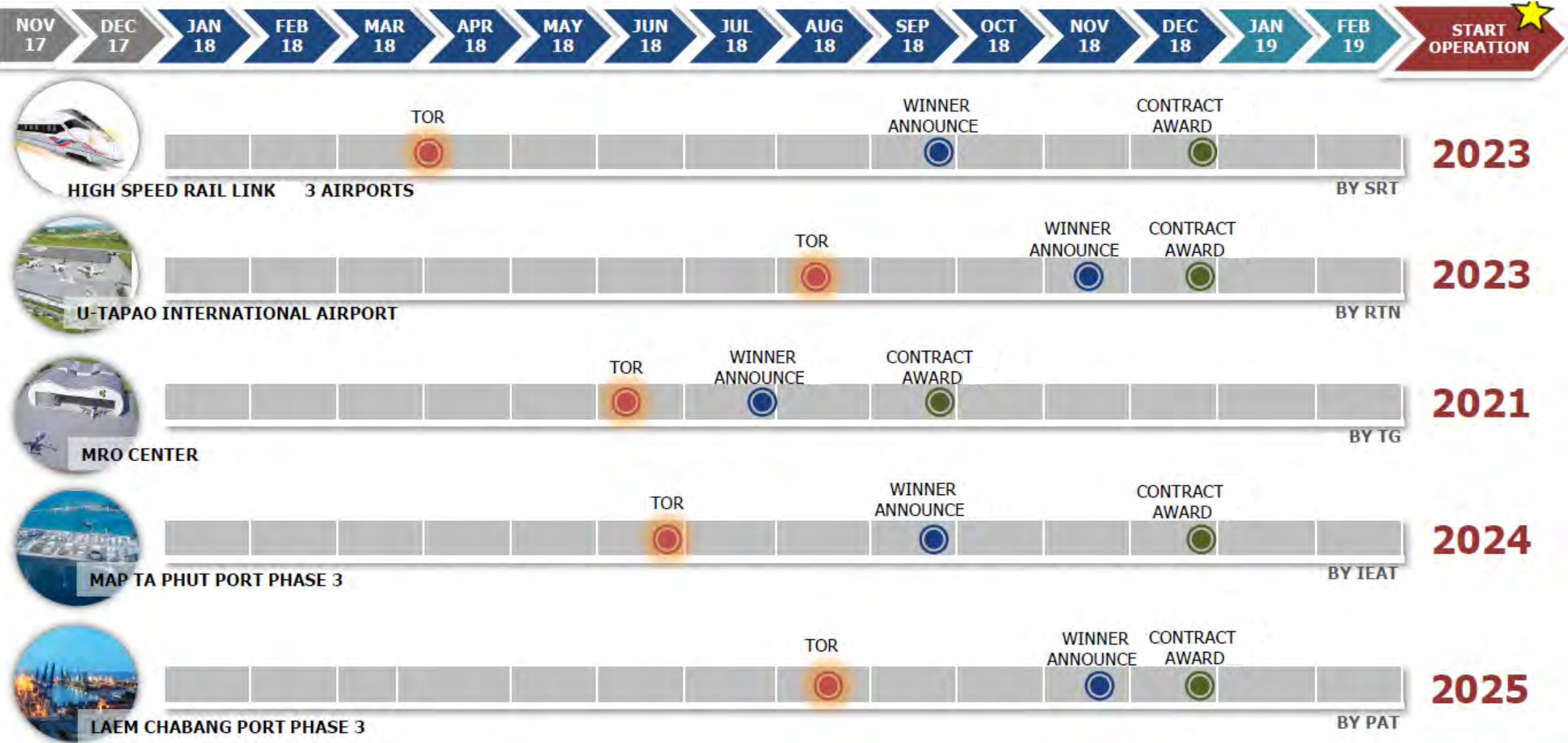
High Speed Rail linked 3 Airports

Map Ta Phut Port Phase 3

Laem Chabang Port Phase 3

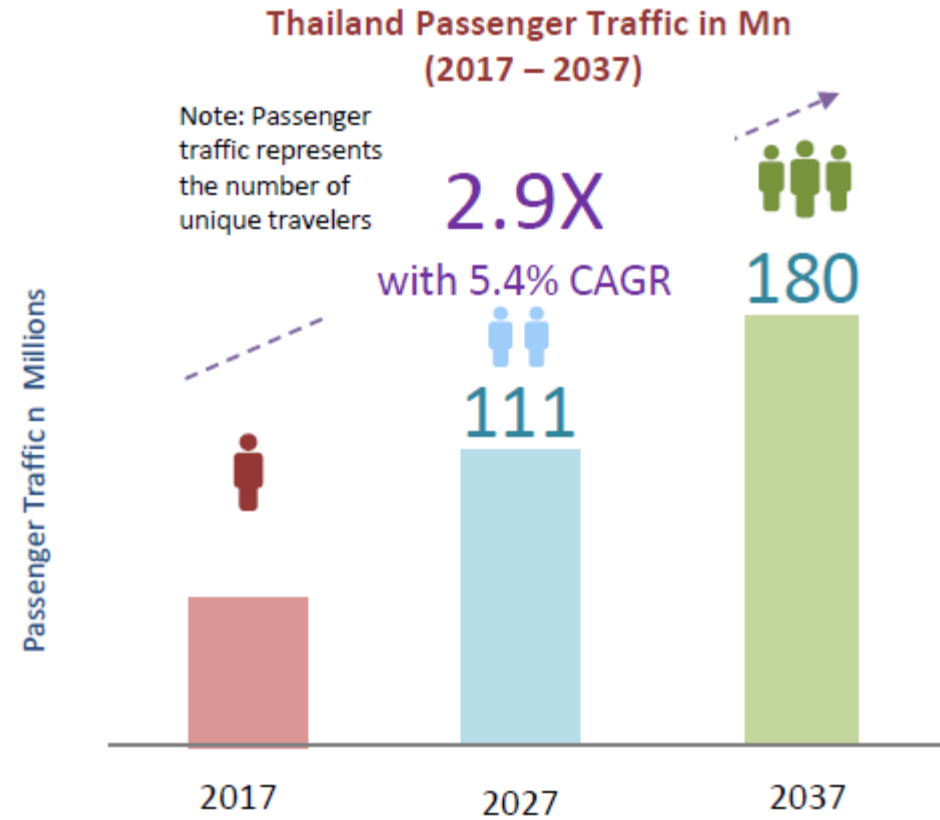
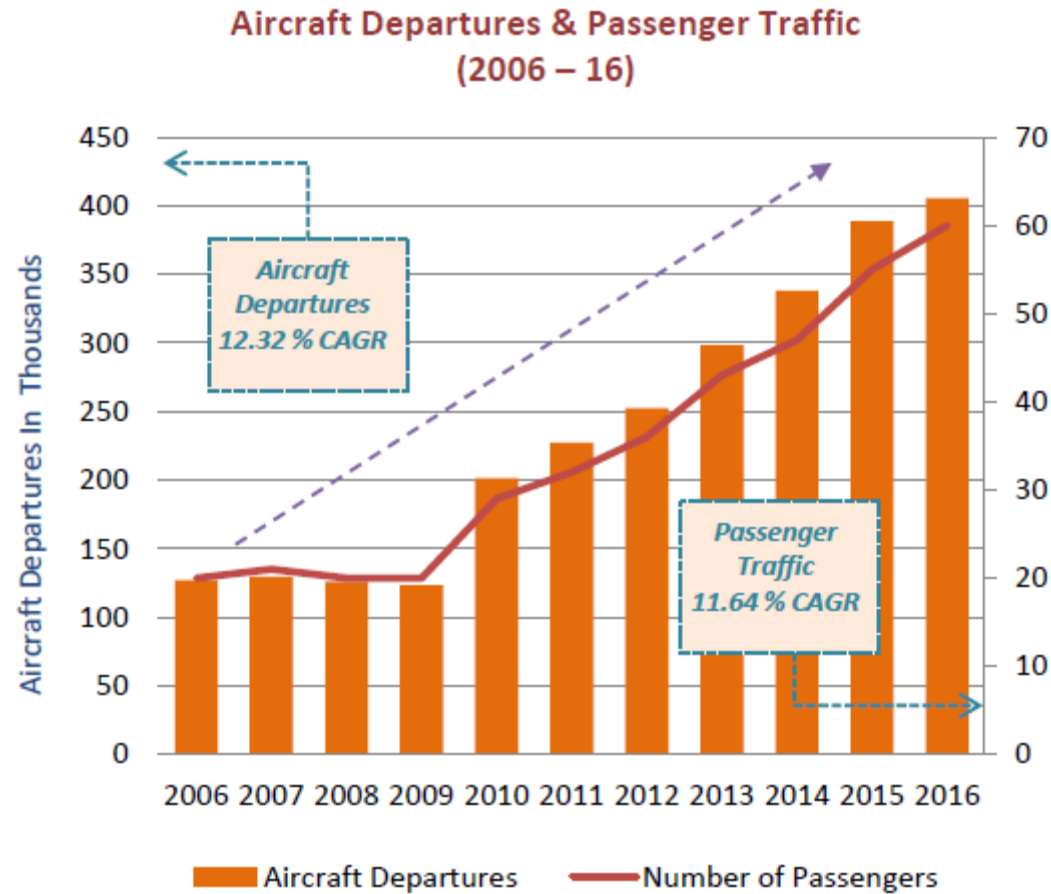


Master timeline of PPP infrastructure project



Note: SRT (State Railway Thailand), RTN (Royal Thai Navy), TG (Thai Airways International Plc.), IEAT (Industrial Estate Authority of Thailand) and PAT (Port Authority of Thailand)

Air traffic in Thailand is forecasted to grow 2.9 times in 20 years.



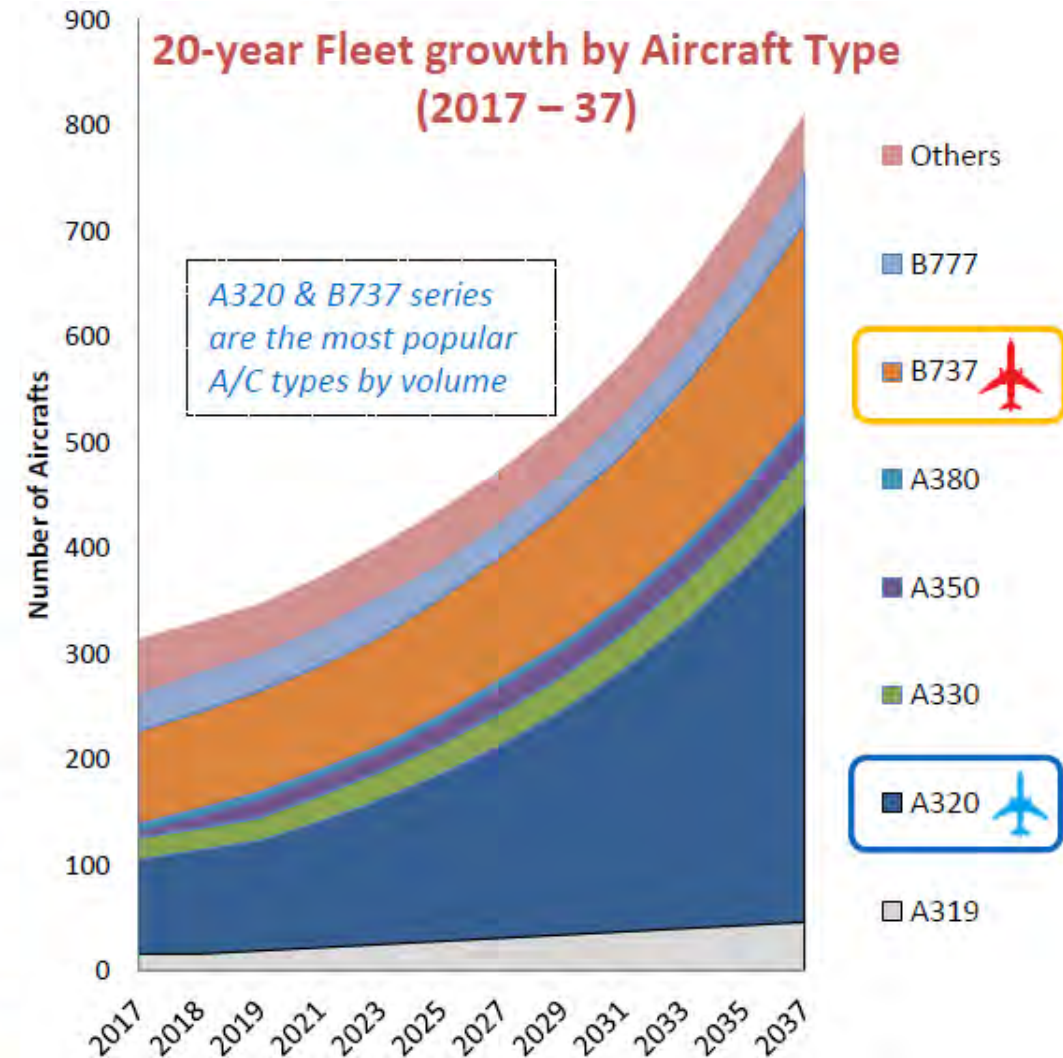
Source: World Bank, Frost & Sullivan Analysis

- The growth in aircraft movements of 12.32% is almost 4 times the global CAGR of 3.33% from 2006 to 2016 whereas Passenger Traffic has grown at 11.64% CAGR in the same period.

- Thailand passenger traffic is estimated to grow at 5.4% CAGR over the period of 2017 – 2037
- It is forecasted to grow to 2.9 times the passenger traffic in 20 years time

Thailand fleet is forecasted to grow 2.6 times in 20 years.

- Thailand currently has an operating fleet of 314 aircrafts and this is expected to grow at a CAGR of 4.86% over the next 20 years to reach 811 aircrafts in 2037.
- The narrow-body series, is expected to be the major growth driver.



Thailand MRO spending is forecasted to grow 3 times in 20 years.

- Major chunk of engine MRO & component MRO business goes overseas to Malaysia, Singapore, Philippines etc.
- Close to 60% (engine MRO and component MRO) of Thailand's MRO spending goes overseas, while the remaining 40% (airframe MRO and line maintenance MRO) stays within Thailand.



Thailand MRO demand is expected to triple from \$0.97B in 2017 to reach \$2.94 by 2037 with a total cumulative demand of \$34.7B over a period of 20 years.



Thailand offers great opportunities for aviation business investment





Thank You

Appendix

Thailand is set to create favourable business environment

Regional Business Competitiveness Drivers	Thailand	Malaysia	Indonesia	Philippines	Vietnam
Ease of Doing Business 2018	77.44 ●	78.43 ●	66.47 ●	58.74 ●	67.93 ●
Ease of Starting a Business	92.34 ●	87.38 ●	77.93 ●	68 ●	82 ●
Ease of Dealing with construction permits	74.5 ●	82 ●	66 ●	66 ●	79 ●
Ease of Getting Electricity	90.99 ●	94.33 ●	83.87 ●	84.31 ●	78 ●
Ease of Registering Property	68.75 ●	76 ●	59.01 ●	57.55 ●	70 ●
Ease of Getting Credit	70 ●	80 ●	65 ●	30 ●	75 ●
Ease of Paying Taxes	76.73 ●	76 ●	68 ●	69.27 ●	72 ●
Global Competitiveness Index (2017)	4.64 ●	5.16 ●	4.52 ●	4.36 ●	4.31 ●
Global Manufacturing Competitiveness Index, 2016	62.1 ●	59 ●	55.8 ●	NA ●	56.5 ●
Manufacturing Labor Costs (2015e) (\$/hr)	2.8 ●	2.5 ●	0.5 ●	NA ●	2 ●
Manufacturing exports as % of total exports	73% ●	62% ●	40% ●	NA ●	72% ●
Infrastructure rating (out of 10)	5.8 ●	7 ●	5 ●	NA ●	4.9 ●
<div> <div></div> <div>Most competitive</div> <div>Less Competitive</div> </div>					

EEC provides many advantages to aviation business investment

10 Great Opportunities For Aerospace Business in Thailand

High Priority Sector

Aerospace is considered as a targeted S-curve Industry, one among the 10 targeted industries for Thailand 4.0 agenda

Geographic Location

Thailand leverages its ideal geographic position in the region with Bangkok as the most connected city in ASEAN

Strong Industrial Base

Very strong industrial base with 48 industrial estates in 15 provinces focused on automobile, textile, electrical & electronic etc.

Leverage Automobile Industry

Opportunity to leverage automobile manufacturing success due to similarity in industrial process with 500+ Tier 1 and 1700+ Tier 2/3 companies

Cost Effective Workforce

Thailand has one of the lowest wages in manufacturing industry among Asia Pacific countries such as Singapore & Malaysia

Corporate Tax Advantage

Thailand offers competitive Tax advantages compared to other ASEAN countries such as Malaysia, Indonesia, Philippines

Ample Space for Development

With more than 48 Industrial Estates in 15 provinces and Eastern Economic Corridor covering 3 provinces, Thailand offers ample space for Industrial Developments

Attractive Incentives

Board of Investments Thailand offers extensive incentives for both local and foreign investors in aerospace sectors

ASEAN Free Trade Area (AFTA)

You can enjoy zero import duties in the member countries such as Malaysia, Philippines, Indonesia, Singapore

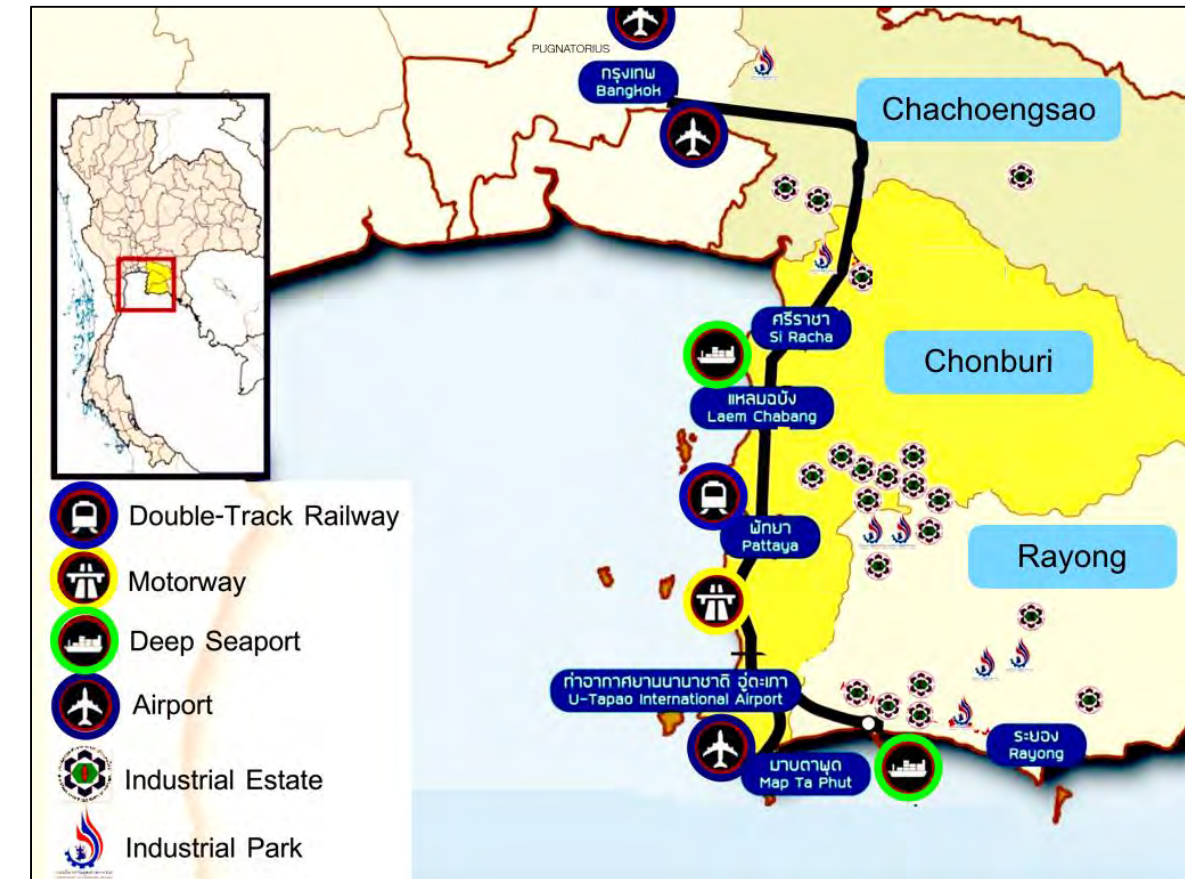
Existing Aerospace activity

Thailand is home to many aerospace companies such as Airbus Group, CCS Aerospace, Senior Aerospace, Triumph Group, Michelin, Zodiac

Source: CAAT (by Frost and Sullivan and Suranaree University of Technology)

EEC is the most strategic location for firms that aspire to gain access to Thailand and the large ASEAN+4 market (China, Japan, South Korea and India) including CLMV

Well integrated infrastructures between Bangkok and EEC area



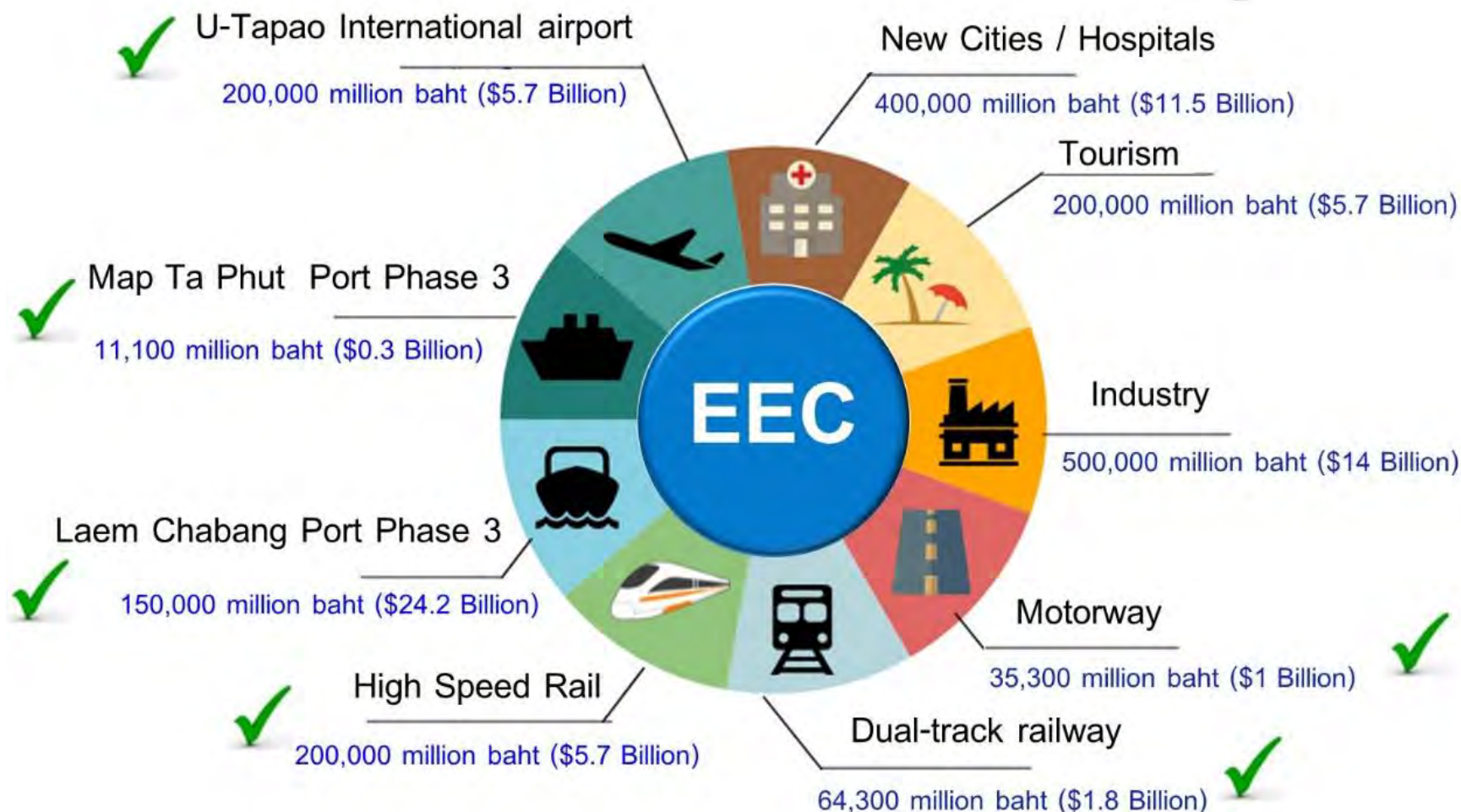
EEC location supports aviation business



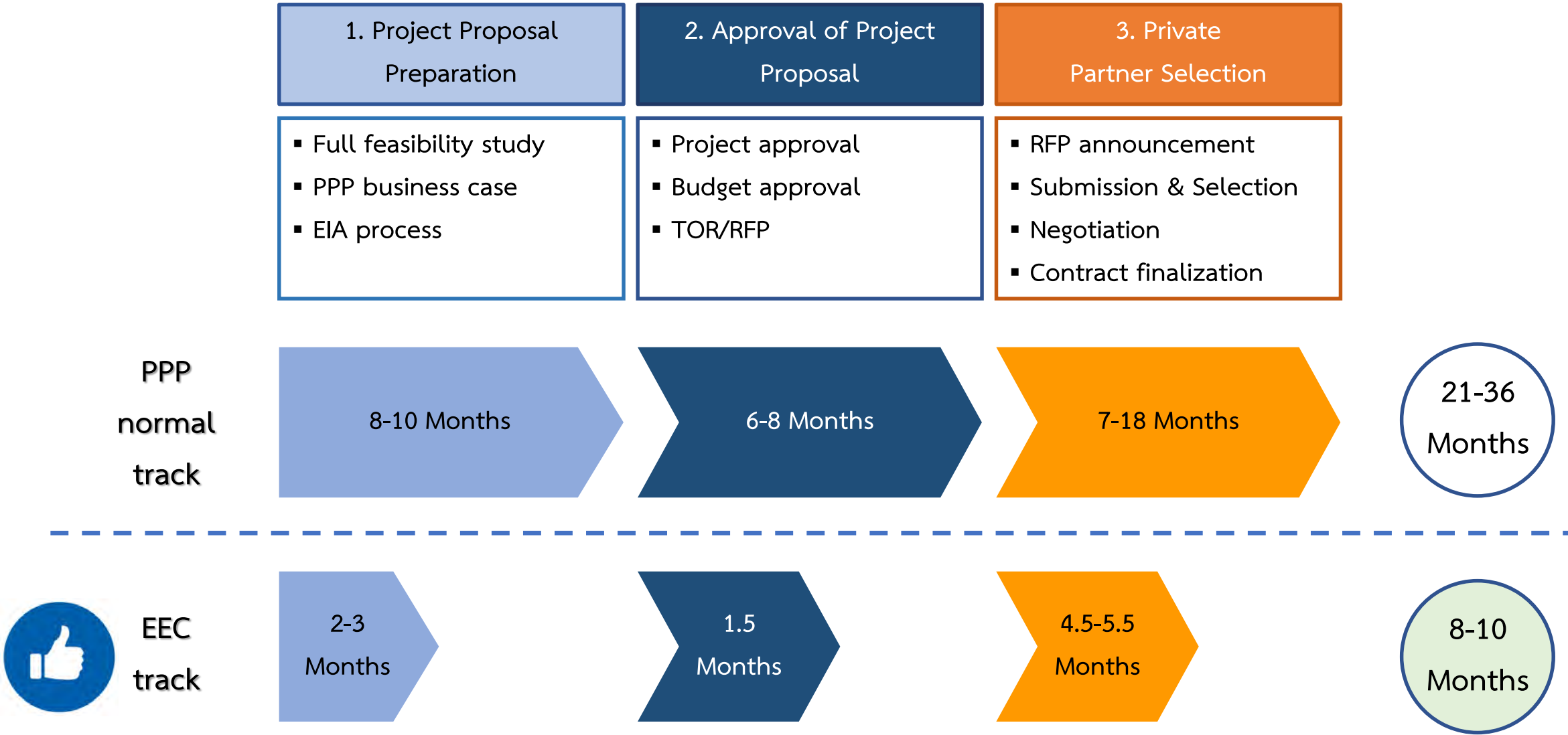
- 1 Capacity integration and linkage of Suvarnabhumi, Don Mueang and U-Tapao airports, Thailand will become the hub of air traffic in Asia
- 2 **Link to CLMV**
(Yangon, Mandalay, Phnom Penh, Ho Chi Minh, Hanoi and Vientiane)
- 3 **Link to China** (Kunming, Zhengzhou, Peking, Shanghai and Hong Kong)
Japan (Tokyo, Osaka)
Seoul-Taipei
- 4 **Link to ASEAN**
(Kuala Lumpur, Singapore, Manila, Jakarta and Brunei)
- 5 **Link to India** (New Delhi, Mumbai, Shehnai and Hyderabad)

Projects and Investment Plan in 5 years

Combined Public and Private Investments
1.7 Trillion baht (\$49.9 Billion) in the first 5 years



New PPP Procedure for EEC Projects



U-Tapao airport development project



Project objectives: To establish the third main international airport in Thailand for business expansions, as well as to better facilitate the establishment of a Special Economic Zone in anticipation of the EEC expansion. In addition, it this will serve a passenger link to Don Muang International Airport and Suvarnabhumi International Airport, while simultaneously supporting growth as a regionally important aviation hub.

Project area: approximately 1,040 hectares.

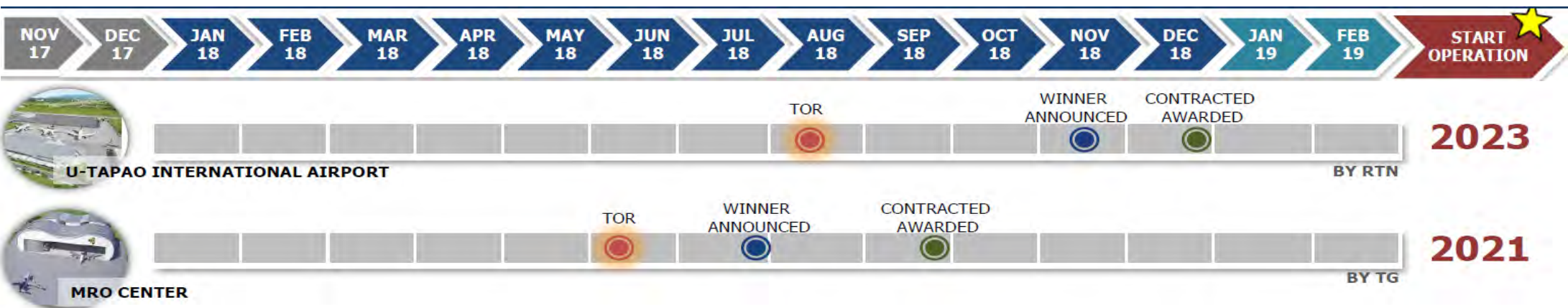
Investment value: Baht 200 billion or approximately USD 5.7 billion.

Project components:

1. Passenger Terminal 3 and the Commercial Gateway
2. Phase II Air Cargo facilities: 72 hectares
3. Phase II Maintenance, Repair and Overhaul (MRO) facilities: 91 hectares
4. Phase II Aviation Training Center: 32 hectares
5. Free Trade Zone: 152 hectares

Construction period: 2019-2023

Master Timeline



Note: RTN (Royal Thai Navy) and TG (Thai Airways International Plc.)

U-Tapao airport development project



3

Aviation Training Center
Dedicated campus for aviation and aerospace-related education to develop the future high-skill employees of U-Tapao

1

Maintenance, Repair & Overhaul
Up to 16 hangar bays (can serve Thai Airways and another MRO operator)

2

Cargo Handling Zone
Can grow to a comparable size to Incheon, South Korea. Flexible to allow for 2 to 4 cargo terminals and up to 2 Air Cargo Express Facilities

9

Airport Expansion
Terminal 3 can be expanded and a satellite concourse can be added. Can maximize capacity of two runways at up to 60 million annual passengers

6

Airport Operations
Terminal 3 initially built to handle 15 million arrival passengers. Includes a rail station and dedicated connection to the future Highway 7 extension

Military Operations Zone
Existing Naval Area

5

Medical Cluster
Up to 650k sm GFA of medical tourism and supporting development (private clinics, 1 public hospital, wellness centers, specialty retail, hotels, medical offices)

4

Defense Industry Research
32 hectares for defense-related industries, R&D, prototyping, and commercial facilities

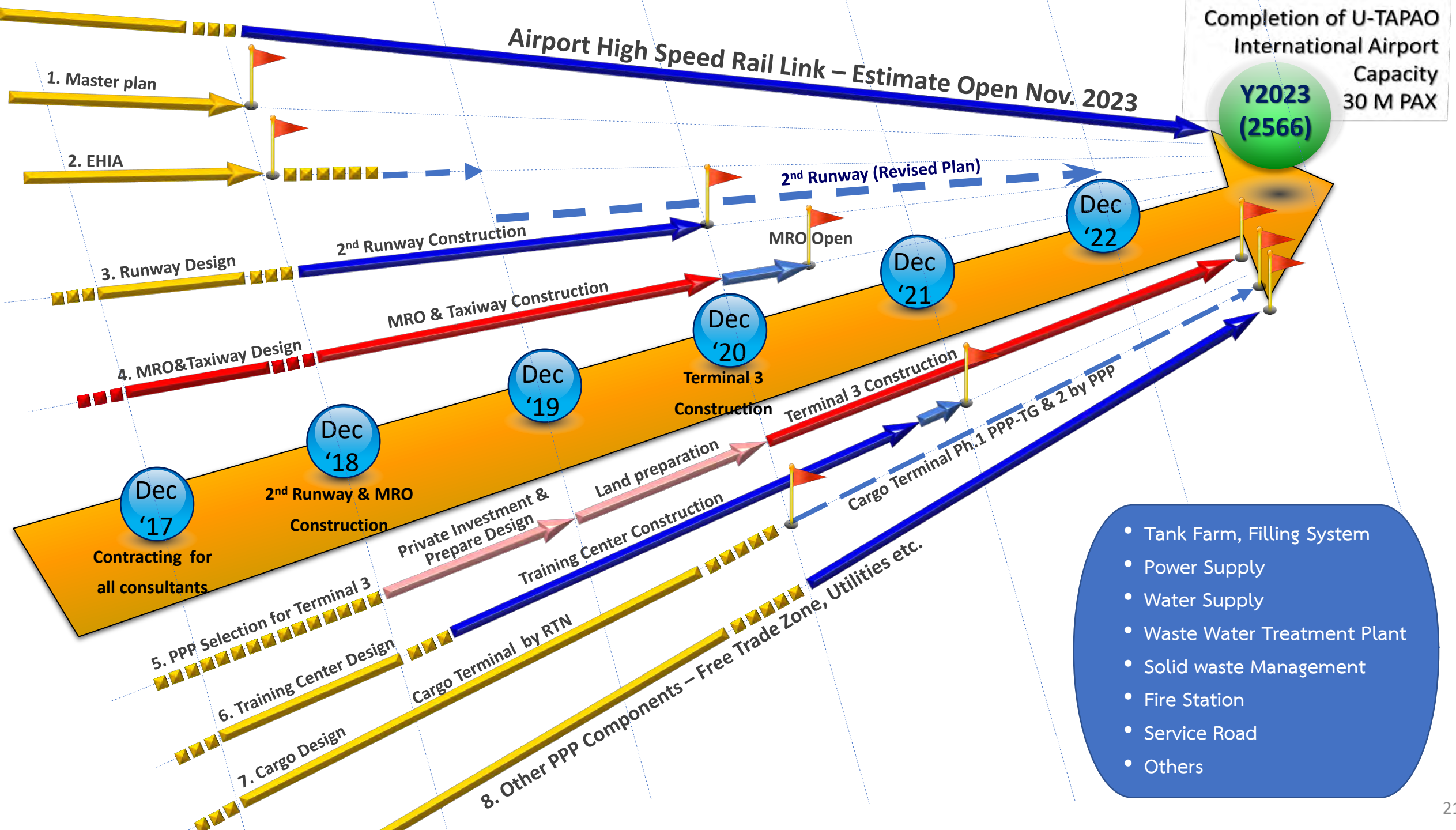
7

Commercial Gateway
Up to 1.5 million sm GFA of business parks, airport hotels, duty free retail, entertainment and MICE facilities

8

Free Trade Zone
190 hectares of logistics and industrial land with direct air cargo and freight rail linkages within a free trade zone. Supported by a 1.5 hectare office and commercial zone

TOTAL DEVELOPABLE LAND
875 ha
*Excluding Aeked



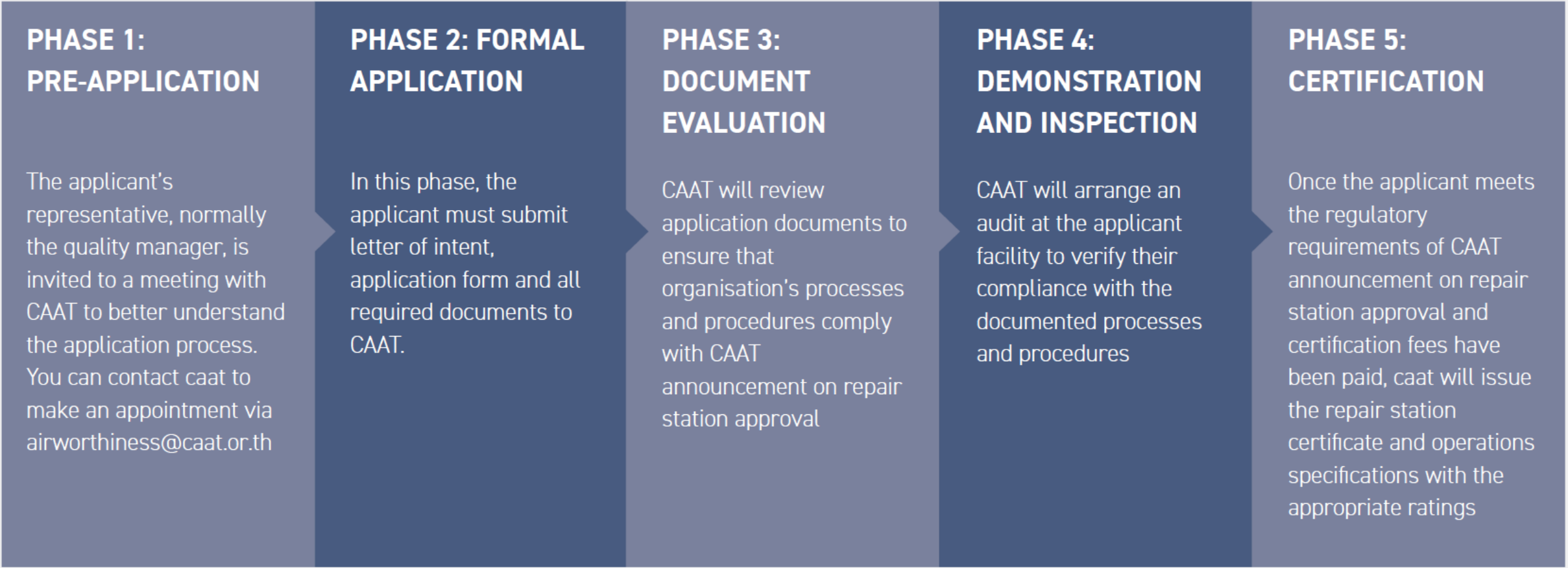
2017 Thai military aircraft fleets

<div>Air Force (307)</div> <div><p>AIRCRAFT (272)</p><ol style="list-style-type: none">FTR 78: 1 F-5B Freedom Fighter; 21 F-5E Tiger II; 3 F-5F Tiger II (F-5E/F being upgraded); 38 F-16A Fighting Falcon; 15 F-16B Fighting FalconFGA 12: 8 Gripen C; 4 Gripen DATK 17 AU-23A PeacemakerISR 5 DA42 MPP GuardianAEW&C 2 Saab 340 ErieyeTPT 48:<ol style="list-style-type: none">Medium 14: 6 C-130H Hercules; 6 C-130H-30 Hercules; 2 Saab 340B;Light 21: 3 ATR-72; 3 Beech 200 King Air; 8 BT-67; 1 Commander 690; 6 DA42M;PAX 13: 1 A310-324; 1 A319CJ; 1 A320CJ; 1 B-737-800; 5 BAe-748; 2 SSJ-100-95LRTRG 110: 16 Alpha Jet; 13 CT-4A Airtrainer; 6 CT-4B Airtrainer; 20 CT-4E Airtrainer; 27 L-39ZA Albatros; 21 PC-9; 7 T-41D Mescalero<p>HELICOPTERS (35)</p><ol style="list-style-type: none">MRH 11: 2 Bell 412 Twin Huey; 2 Bell 412SP Twin Huey; 1 Bell 412HP Twin Huey; 6 Bell 412EP Twin HueyCSAR 4 H225M Super CougarTPT 20:<ol style="list-style-type: none">Medium 3 S-92A Super Hawk;Light 17 Bell 205 (UH-1H Iroquois)</div>	<div>Army (283)</div>	<div><p>AIRCRAFT (53)</p><ol style="list-style-type: none">TPT • Light 20: 2 Beech 200 King Air; 2 Beech 1900C; 1C-212 Aviocar; 1C-295W;10 Cessna A185E (U-17B); 2 ERJ-135LR; 2 Jetstream 41TRG 33: 11 MX-7-235 Star Rocket; 22 T-41B Mescalero<p>HELICOPTERS (230)</p><ol style="list-style-type: none">ATK 7 AH-1F CobraMRH 13: 8 AS550 Fennec; 2 AW139; 3 Mi-17V-5 Hip HTPT 210:<ol style="list-style-type: none">Heavy 5 CH-47D Chinook;Medium 12: 9 UH-60L Black Hawk; 3 UH-60M Black Hawk;Light 193: 93 Bell 205 (UH-1H Iroquois); 27 Bell 206 Jet Ranger; 52 Bell 212 (AB-212); 16 Enstrom 480B; 5 UH-72 Lakota TRG 53 Hughes 300C</div>
<div>Police (89)</div> <div><p>AIRCRAFT (22)</p><ol style="list-style-type: none">ATK 6 AU-23A PeacemakerTPT 16:<ol style="list-style-type: none">Light 15: 2 CN-235; 8 PC-6 Turbo-Porter; 3 SC-7 3M Skyvan; 2 Short 330UTT;PAX 1 F-50<p>HELICOPTERS (67)</p><ol style="list-style-type: none">MRH 6 Bell 412 Twin HueyTPT • Light 61: 27 Bell 205A; 14 Bell 206 Jet Ranger; 20 Bell 212 (AB-212)</div>	<div>Navy (52)</div>	<div><p>AIRCRAFT (27)</p><ol style="list-style-type: none">ASW 2 P-3A Orion (P-3T)ISR 9 Sentry O-2-337MP 1 F-27-200 MPATPT • Light 15: 7 Do-228-212; 2 ERJ-135LR; 2 F-27-400M Troopship; 3 N-24A Searchmaster; 1 UP-3A Orion (UP-3T)<p>HELICOPTERS (25)</p><ol style="list-style-type: none">ASW 8: 6 S-70B Seahawk; 2 Super Lynx 300MRH 2 MH-60S Knight HawkTPT 15:<ol style="list-style-type: none">Medium 2 Bell 214ST (AB-214ST);Light 13: 6 Bell 212 (AB-212); 2 H145M; 5 S-76B</div>

Source: The Military Balance 2017 – The annual assessment of global military capabilities and defence economics (The International Institute for Strategic Studies)

Note: AEW (Airborne Early Warning), ASW (Anti-Submarine Warfare), ATK (Attack/Ground Attack), CSAR (Combat Search and Rescue), FGA (Fighter Ground Attack), FTR (Fighter), ISR (Intelligence, Surveillance and Reconnaissance), MP (Maritime Patrol/Military Police), MRH (Multi-Role Helicopter), PAX (Passenger/Passenger Transport Aircraft), TPT (Transport) and TRG (Training)

22



Source: CAAT

BOI & EEC recognize the importance of aerospace and offer a wide range of tax and non-tax incentives for projects that meet national development objectives.

BOI standard corporate tax incentives

Group	Eligible activities	Incentives	
		Corporate income tax exemption	Exemption of import duty*
A1	<ul style="list-style-type: none"> Manufacture of Aircraft or Aircraft Parts Manufacture of Aerospace Devices and Equipment Aerospace Operating Systems Vocational training centres Scientific laboratories Calibration services 	8 years without cap	Yes
A2	Repair of Aircraft or Aircraft Parts	8 years	Yes
A3	<ul style="list-style-type: none"> Manufacture of Onboard Devices and Equipment (except disposable and reusable aircraft utilities and supplies) Aviation or Aerospace Industrial Zones or Industrial Estates 	5 years	Yes
A4	Repair of Onboard Devices and Equipment (except disposable and reusable aircraft utilities and supplies)	3 years	Yes
B1-B2	Trade and investment support offices (TISO): Engineering service	Only Non-tax Incentives	

BOI non-tax incentives

These activities also receive the following non-tax incentives:

Permit to bring in expatriates	Permit to own land	Permit to take or remit foreign currency abroad
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Note: * Exemption of import duty on raw or essential materials and machinery used in manufacturing export products.

Source: Board of Investment (BOI)

Additional corporate tax incentive for investment projects located in the EEC area

Zone	Additional Incentives (Specific business types defined)	Training Conditions for S&T students
1. Special promotional zone (Aerotropolis, EECi and EECd)	<ul style="list-style-type: none"> Corporate income tax exemption for <u>2 more years</u> 50% corporate income tax reduction for <u>5 more years</u> 	<p>≥ 10% of staffs</p> <p>or ≥ 50 people</p> <p>whichever is lower</p>
2. Target industry promotion zone (10 targeted industries)	50% corporate income tax reduction for <u>5 more years</u>	whichever is lower
3. Industrial estates or general industrial zones in EEC	50% corporate income tax reduction for <u>3 more years</u>	<p>≥ 5% of staffs</p> <p>or ≥ 25 people</p> <p>whichever is lower</p>

Note: Applications for the additional investment packages must be filed with the BOI during the period of 1st January 2018 to 30th December 2019.

On top of additional tax incentive, EEC offers...

- Maximum personal income tax of 17% for executives and experts
- Eligible foreign investors will be permitted 50-year leases for residential development and 99-year leases for commercial and industrial areas
- Work permit and visa assistance and a five-year business visa
- 3-month public-private-partnership (PPP) procedure
- Fast-track environmental impact assessment (EIA)
- Foreign currency account and use of foreign currencies without exchanging into Thai baht

In between, South East Asia MRO spending is forecasted to grow 4 times in 20 years



Source: CAAT (by Frost & Sullivan Analysis)



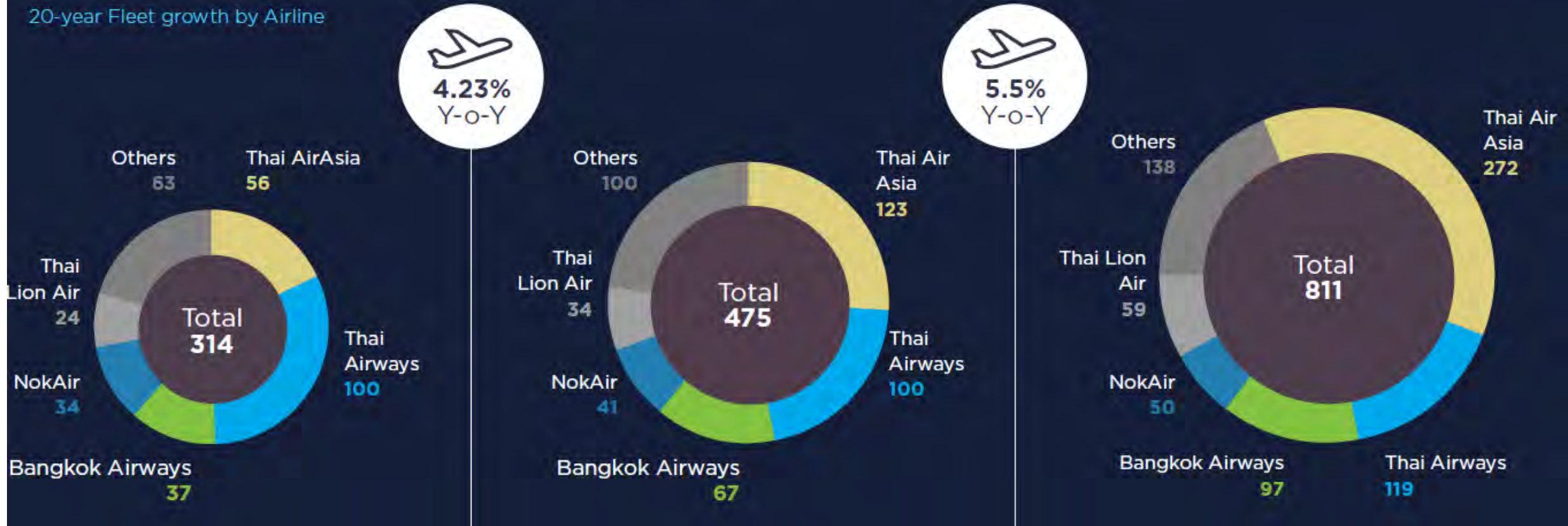
Source: CAAT (by Frost & Sullivan Analysis)

Thailand fleet forecast – by airline (2017 – 2037)

Thai AirAsia is expected to drive the bulk of the growth and it is expected to become the largest airline in terms of fleet size.

Thai Airways will continue to be the largest wide-body operator in the country.

20-year Fleet growth by Airline



Source: CAAT (by Frost & Sullivan Analysis)

In terms of human resource, Thailand offers skilled labour at competitive costs compared to other Asia-Pacific countries. Also, Thailand creates over 180,000 engineers and 200,000 scientists annually



There are many curricula in aerospace engineering and technology in Thailand such as...

Institution	Curricular
Civil Aviation Training Centre	Bachelor of Engineering in Aviation Engineering Program (AEE)
Kasetsart University	<ul style="list-style-type: none">▪ Bachelor of Engineering in Aerospace Engineering▪ Bachelor of Engineering in Aerospace Engineering and Business Administration (International Program)▪ Master of Engineering in Aerospace Engineering
Chulalongkorn University	Bachelor of Engineering in Aerospace Engineering (International Program)
King Mongkut’s University of Technology North Bangkok	<ul style="list-style-type: none">▪ Bachelor of Engineering in Aerospace Engineering▪ Master of Engineering in Aerospace Engineering
Thammasat University: Sirindhorn International Institute of Technology (SIIT)	Bachelor of Engineering in Mechanical Engineering - Aerospace
Assumption University of Thailand	Bachelor of Engineering in Aeronautic Engineering
Suranaree University of Technology	Bachelor of Engineering in Aeronautical Engineering
Southeast Asia University	Bachelor of Engineering in Aircraft Maintenance Engineering

Source: BOI

The recommended target segments in component MRO for Thailand

- ☐ Wheels & Brakes
- ☐ Auxiliary Power Units
- ☐ Inflight entertainment (IFE) Components
- ☐ Engine Fuel & Control
- ☐ Landing Gear

Targeted component OEMs to setup MRO shops in Thailand

Landing gear and Wheels & Brakes	Engine fuel & Control	Auxiliary Power Unit (APU)	Inflight Entertainment (IFE)
Messier-Bugatti-Dowty	HEICO	Honeywell Aerospace	Panasonic Avionics
Meggitt Aircraft Braking Systems Corporation	WENCOR	UTC Aerospace Systems, Air Management Systems	Rockwell Collins
UTC Aerospace Systems, Landing Systems	Triumph Engine Control Systems	Pratt & Whitney AeroPower (Hamilton Sundstrand)	Thales
Parker Aerospace Aircraft Wheel & Brake	Secondo Mona SpA	Barry Controls Aerospace	Zodiac
Crane Aerospace/Hydro-Aire Inc.	UTC Aerospace Systems - Engine Systems	Microturbo S.A.S.	Lumexis
MECAER Aviation Group	Woodward Aircraft Turbine Systems	Aerosila Joint Stock Co.	Gogo
Honeywell Aerospace, Aircraft Landing Systems	Eaton Fuel Systems Division	Goodrich Electrical Power Systems	On Air
Liebherr-Aerospace Lindenberg GmbH	Aerazur - Zodiac Group	AcousticFab, Inc.	Row 44
NIACC-Avitech Technologies	Intertechnique	Motor Sich JSC	
Beringer SA	Sofrance	LMI Aerospace, Inc.	
ECE	Engineered Fabrics Corp.	LORD Corporation	
Héroux-Devtek Inc.	Eaton Ltd	Eaton Fuel Systems Division	
CIRCOR Aerospace	Parker Aerospace, Air & Fuel Division	Pratt & Whitney Canada	
Sumitomo Precision Products Canada Aircraft Inc.	PTI Technologies Inc.		
	Crane Aerospace & Electronics – Lear		
	Romec		
	GKN Aerospace Services		
	Nichols Airborne Division		

Source: CAAT (by Frost & Sullivan)

Human resource in OEM and MRO industry in Thailand (2017)

MRO Company	Engineers and technicians	Other employees	Total employees
TG Technical Department [1]	2,418	1,233	3,651
Chromalloy	300	200	500
Cosmo Thai	10	5	15
AEPS	27	13	40
Aircraft Engineering Consultant	7	3	10
Airborne Support	40	15	55
Bangkok Airways	230	53	283
Triumph Aviation Services	124	66	190
Thai Aviation Industries	160	79	239
Thai Aerospace Industries [2]	141	72	213
Thai Air Asia	435	221	656
Thai Lion Air	480	243	723
Nok Air	26	13	39
Thai Smile	20	10	30
NokSkoot	11	5	16
Thai AirAsia X	100	50	150
Sabaidee Airways	225	115	340
Thai VietJet	40	20	60
Orient Thai	80	40	120
Asia Atlantic Airlines	50	25	75
Siam Air Transport	30	15	45
Jet Asia Airways	25	12	37
SkyView	17	8	25
Total	4,996	2,516	7,512

Source: Secondary Research, Primary data from interviews conducted in 2017, CAAT Manpower Document

Note: Other employees include planners, admin and other support functions.

[1] Thai Airways Internal Data, May 2017 [2] http://eedcouncil.org/thai/Executive_Summary_TAI_October_2016.pdf

Major international OEM companies in Thailand



Triumph Structures is a Tier II integrator of aircraft parts and assemblies.

The company is the industry leader in swaged tubular products and wire rope mechanical cables. Triumph Structures is also an industry leader in high technology composites including acoustically treated engine liners, aircraft structures and medical applications. Triumph Structures produces a number of products in Thailand, including machined and composite parts, and assemblies.



Ducommun Technologies (DTI), a California based company, produces structural and electronic components and subassemblies for a wide range of aircraft. In Thailand, DTI has a manufacturing facility in Saraburi province to produce commercial microwave switches to service the growing demands in the international markets.



Senior aerospace specializes in the manufacture of both structures components and assemblies, and compressor aero foils for high volume aero-engine programs. It is located in Chonburi province.



Driessen Aircraft Interior Systems, part of Zodiac Aerospace, specializes in designing, manufacturing, and marketing high quality galleys, galley equipment and cargo equipment. Driessen's manufacturing facilities in Lamphun and Samutprakarn province specialize in galley, galley parts, airline products, trolley and trolley parts



Cobra International Co., Ltd. In Chonburi province ,Thailand, is the world leading OEM manufacturer of high-end composite products. Cobra manufactures a wide range of products, components, and parts for aerospace and industrial applications. The company's focus is providing customers with production solutions to deliver the highest quality products to meet each customers specific needs.



Leistritz, a German company, was founded in 1905. Leistritz has manufactured turbine blades for aircraft and rocket engines, gas and steam turbines. Leistritz is a global supplier of components for the international aero engine and power generation industry. Leistritz has signed a manufacturing agreement with Rolls-Royce, a global power systems company. Leistritz established a manufacturing base in Chonburi, Thailand for the forging of compressor blades to be as a Tier II supplier of Rolls-Royce.



AVIA Satcom Co., Ltd. is one of Thailand's leading companies in providing high level of expertise and is equipped to modify a range of aircrafts. The company has capability to develop engineering designs for modifications, adjustments, installations and integration of avionics systems and special mission equipment such as FLIR, SAR, radar and communication systems. AVIA Satcom has teamed up with SAAB, a Swedish aerospace and defense company, to bring world-leading products, services and solutions. This partnership enabled the transfer of advanced Swedish aerospace technologies to Thai defence.



Goodyear Thailand manufactures and distributes a range of tires for automobiles, trucks and aircraft. The Goodyear brand has been visible in Thailand for over 50 years, while manufacturing facilities were established here in 1968 to serve the local and overseas markets. For the better part of a century, Goodyear's corporate values have been centered on the phrase, "Protect Our Good Name." Goodyear Thailand is listed on the Stock Exchange of Thailand.



Established in 1987, **Michelin Siam Group** is a leading manufacturer and distributor of tire products covering a wide range of sections from passenger car and light truck, truck and bus, motorcycle, earthmover to airplane tires under the brand names "Michelin", "BFGoodrich" and "Siam Tyre". Michelin Aircraft Tyre supplies bias tyres, radial tyres, and tubes for the worldwide aviation community



Major international MRO companies in Thailand



Triumph Aviation Services - Asia.

This new company was formed to become Triumph Group's Asia-Pacific aftermarket services headquarters and one-stop service center for all of Triumph Group's in-region MRO activity. The company has invested over \$25 million USD in the new facility which is poised to be recognized among the finest MRO centers anywhere in the world.

TASA Capabilities include:

- Auxiliary power units (APU) and related accessories (LRU)
- Engine nacelle
- Components including thrust reversers, nose cowl and fan cowl
- Accessory (LRU) support
- Composites & bonded airframe structures
- Core APU & piece part repairs
- Structural repairs
- Aircraft accessories



Source: BOI



CHROMALLOY

Chromalloy Thailand, first established in 1989, is trusted worldwide to provide commercial aviation engine manufacturers with a wide range of innovative, high-technology repair options to support ever-growing long term service agreements and power-by-the-hour programs.

Chromalloy Process Capabilities Include:

- Engineering
- Coatings
- Machining
- Joining technology
- Thermal processing



Scandinavian Aircraft Maintenance (SAMTHAI)

was founded in 2009 as a subsidiary of SAM AERO AS. The company entered into a joint venture with Thai Aviation Industries to plan and develop the construction and operation of the Aviation MRO & Centre of Excellence in Bangkok. SAMTHAI also signed an agreement with the Directorate of Aeronautical Engineering (DAE) to support & supply the Thai Royal Flight, Royal Thai Air Force, Royal Thai Army and Thai Police with spare parts for numerous aircraft & helicopters through the Associated Aircraft Group (AAG) Canada. SAMTHAI is also cooperating with Geven to supply and install new seating for Thai International Airways aircraft.



Rolls-Royce has developed strong long-term relationships with key businesses in Thailand including Thai Airways International, Bangkok Airways and all three military branches; Royal Thai Air Force, Royal Thai Army, and Royal Thai Navy.

Rolls-Royce has recently signed a long-term TotalCare® service support contract with Thai Airways International Public Company Limited (THAI) for Trent 1000 engines that power six Boeing 787-8 Dreamliner aircraft.

