

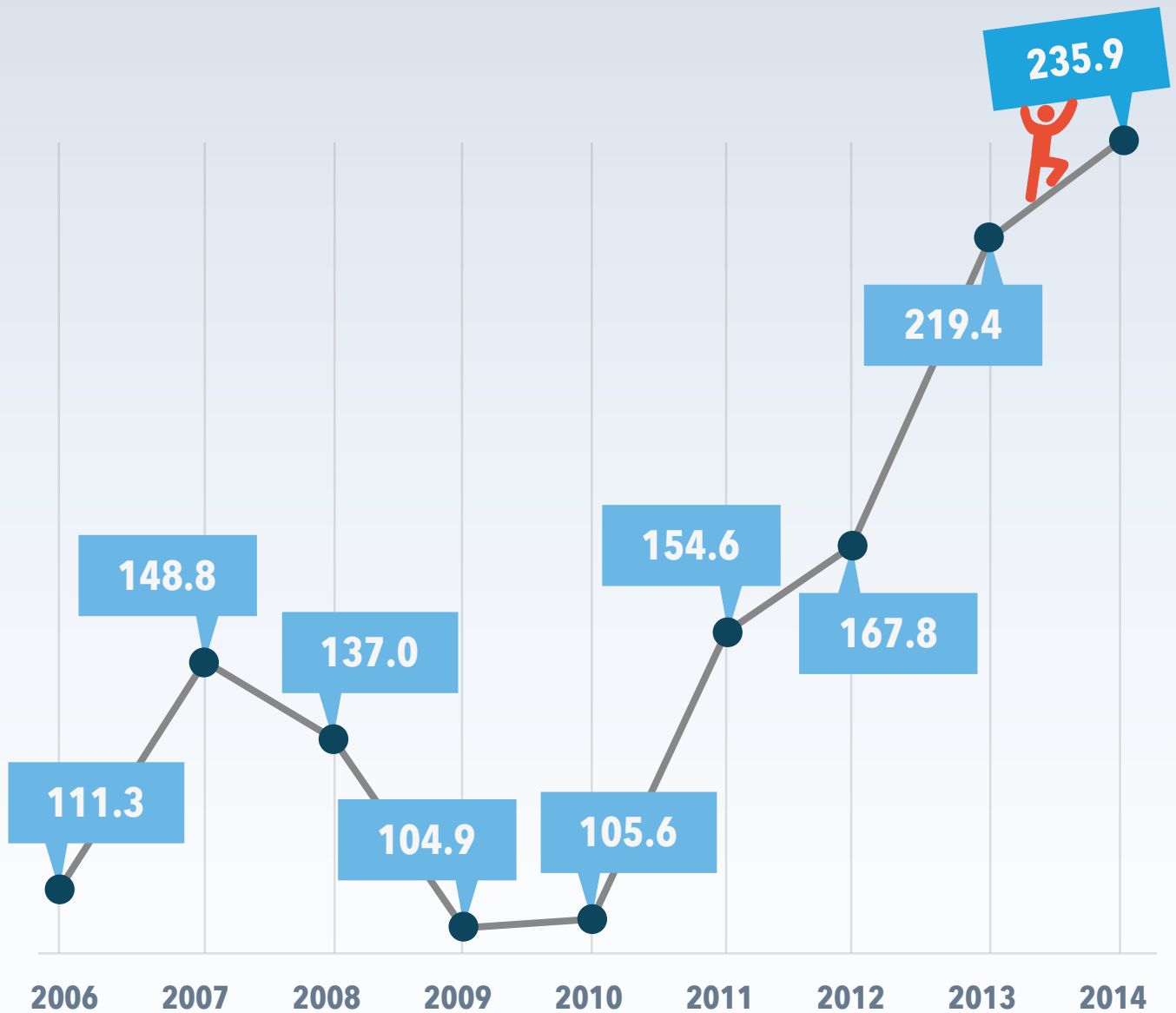
# MAKING OUR MARK

MALAYSIA INVESTMENT PERFORMANCE 2014





## Approved investments hit RM235.9 billion in 2014



**5,942**  
**PROJECTS**



**178,360**  
**JOBS**

# Private investments are increasingly aligned with the targets of the ETP...

DOMESTIC INVESTMENT  
FOREIGN INVESTMENT

**GOVERNMENT  
LAUNCHES  
ECONOMIC  
TRANSFORMATION  
PROGRAMME (ETP)**

2020 target:  
73% of private  
investments to come  
from domestic sources;  
27% from foreign sources

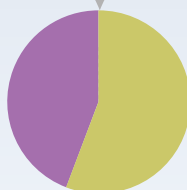
2010



**TOTAL: RM 105.6 bil.**

Domestic investment: 57.9%  
Foreign investment: 42.1%

2011

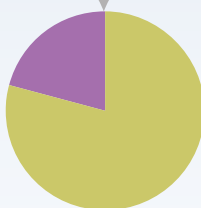


**TOTAL: RM 154.6 bil.**

Domestic investment: 56.0%  
Foreign investment: 44.0%

**FOREIGN PRIVATE  
INVESTMENTS HIT 20%  
OF TOTAL INVESTMENTS**

2012



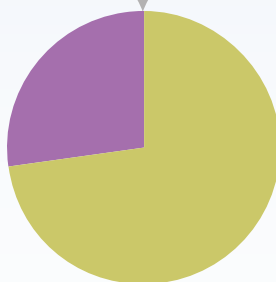
**TOTAL: RM 167.8 bil.**

Domestic investment: 79.2%  
Foreign investment: 20.8%

**INVESTMENTS IN  
NATIONAL KEY  
ECONOMIC AREAS  
HIT RM 89.9 BIL.**

41% of investments  
are in NKEAs

2013



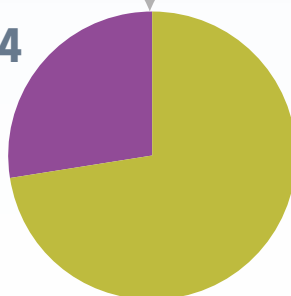
**TOTAL: RM 219.4 bil.**

Domestic investment: 72.9%  
Foreign investment: 27.1%

**INVESTMENTS  
HIT THE ETP  
PRIVATE INVESTMENT  
RATIO TARGET**

Foreign:domestic  
private investment  
ratio hits 27.4:72.6

2014



**TOTAL: RM 235.9 bil.**

Domestic investment: 72.6%  
Foreign investment: 27.4%

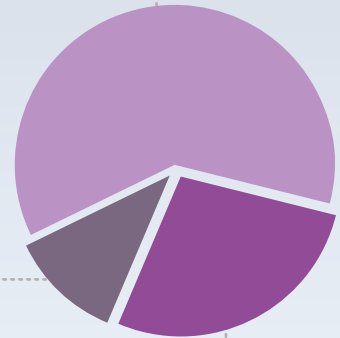


... and domestic investors are gearing up for the economic transformation



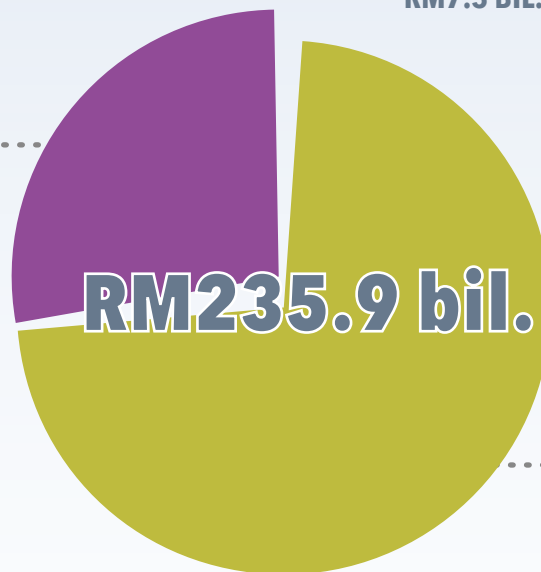
**27.4%**  
**RM64.6 bil.**  
FOREIGN INVESTMENTS

MANUFACTURING  
RM39.6 BIL.



PRIMARY  
RM7.3 BIL.

SERVICES  
RM17.7 BIL.



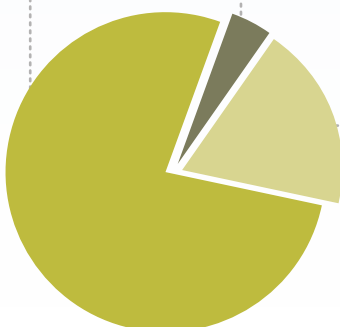
**RM235.9 bil.**

SERVICES  
RM131.9 BIL.

PRIMARY  
RM7.1 BIL.

MANUFACTURING  
RM32.3 BIL.

**72.6%**  
**RM171.3 bil.**  
DOMESTIC INVESTMENTS



## Investments in the manufacturing sector surged 38% to RM71.9 bil. in 2014...

**SERVICES**  
RM 149.6 bil.

**MANUFACTURING**  
RM 71.9 bil.

**PRIMARY**  
RM 14.4 bil.

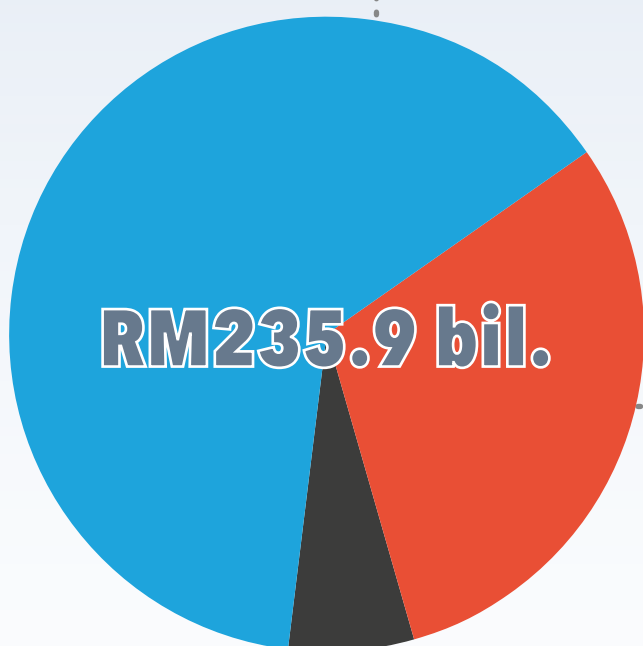
63.4%

### SERVICES

Total approved investments: RM 149.6 bil.

No of projects: 5,059

Potential employment: 98,540



30.5%

### MANUFACTURING

Total approved investments: RM 71.9 bil.

No of projects: 811

Potential employment: 78,340

6.1%

### PRIMARY

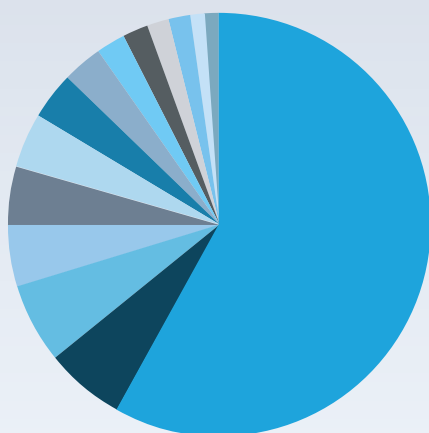
Total approved investments: RM 14.4 bil.

No of projects: 72

Potential employment: 1,480

# ... but the services sector remains the country's biggest investment driver

## SERVICES



**REAL ESTATE**  
RM 88.5 bil.

**UTILITY**  
RM 9.1 bil.

**DISTRIBUTIVE TRADE**  
RM 8.7 bil.

**FINANCIAL SERVICES**  
RM 6.9 bil.

**HOTELS & TOURISM**  
RM 6.7 bil.

**TRANSPORT**  
RM 6.1 bil.

**SUPPORT SERVICES**  
RM 5.3 bil.

**TELECOMMUNICATIONS**  
RM 4.5 bil.

**REGIONAL ESTABLISHMENTS**  
RM 3.2 bil.

**MSC STATUS**  
RM 2.9 bil.

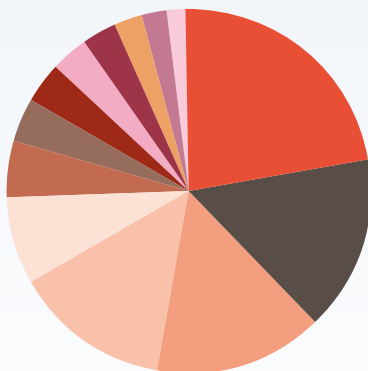
**GLOBAL OPERATIONS HUB**  
RM 2.4 bil.

**HEALTH SERVICES**  
RM 2.3 bil.

**EDUCATION SERVICES**  
RM 1.6 bil.

**OTHER SERVICES**  
RM 1.4 bil.

## MANUFACTURING



**PETROLEUM PRODUCTS**  
RM 16.0 bil.

**ELECTRICAL & ELECTRONICS**  
RM 11.1 bil.

**CHEMICALS**  
RM 10.8 bil.

**BASIC METALS**  
RM 9.9 bil.

**TRANSPORT**  
RM 5.6 bil.

**NON-METALLIC PRODUCTS**  
RM 3.4 bil.

**FOOD PROCESSING**  
RM 2.8 bil.

**MACHINERY & EQUIPMENT**  
RM 2.5 bil.

**FABRICATED METAL**  
RM 2.2 bil.

**SCIENTIFIC EQUIPMENT**  
RM 1.8 bil.

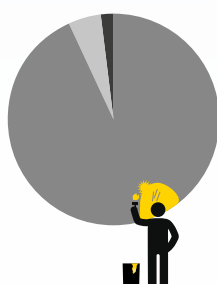
**RUBBER PRODUCTS**  
RM 1.7 bil.

**TEXTILES**  
RM 1.2 bil.

**OTHERS\***  
RM 2.9 bil.

*\* Includes paper, printing and publishing; plastic products; wood products; furniture; beverages and tobacco; leather products and miscellaneous manufactured goods.*

## PRIMARY

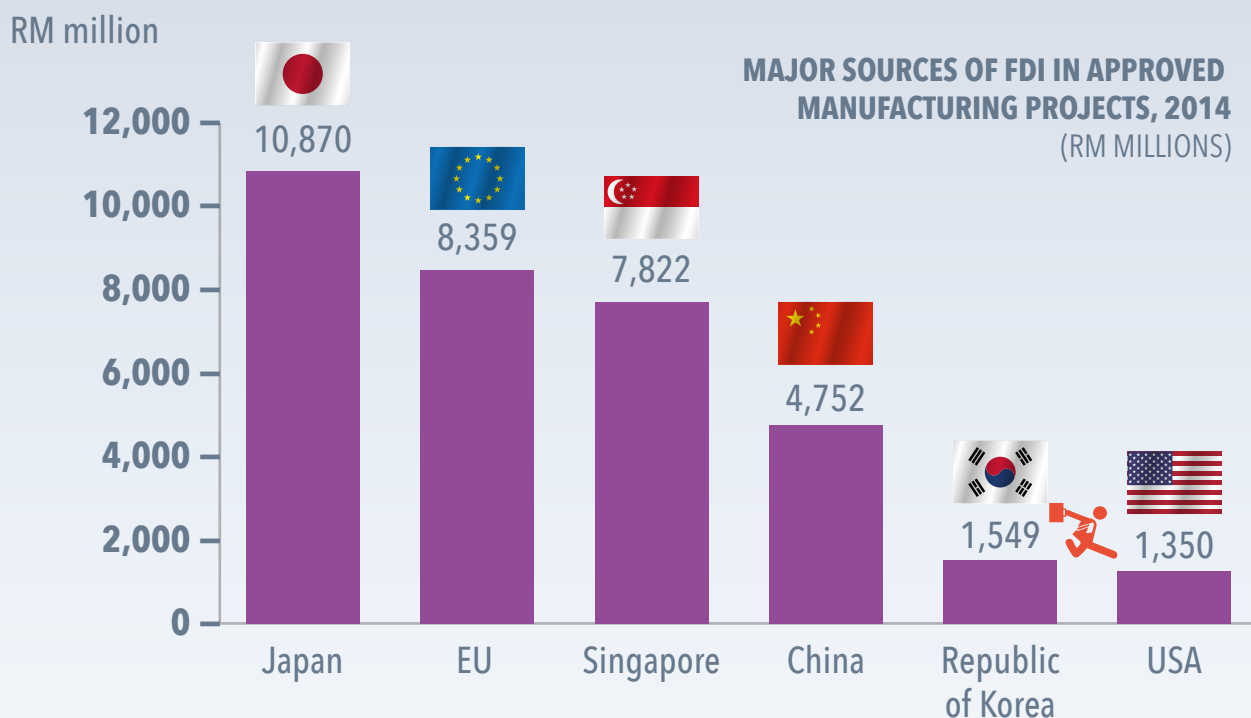


**AGRICULTURE**  
RM 250.5 mil.

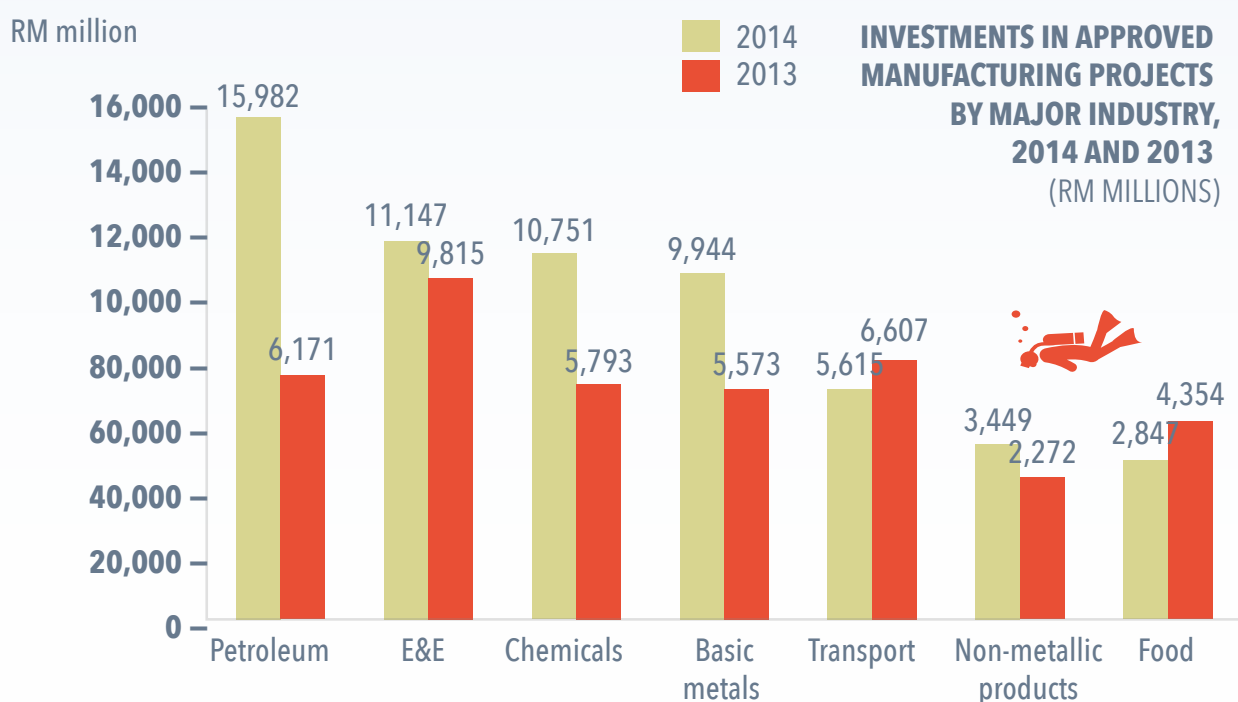
**PLANTATION & COMMODITIES**  
RM 724.2 mil.

**MINING**  
RM 13.5 bil.

## 70% of FDI in the manufacturing sector came from Asian countries



## Investments in the manufacturing sector expanded in most major industries





# Malaysia attracted quality projects from both local and foreign investors

## Infineon Technologies



**Project Cost**  
RM4.0 bil.\*

**Employment: 9,390 people\*\***  
14% engineers, 9% managers/professionals/researchers, 36% skilled workers

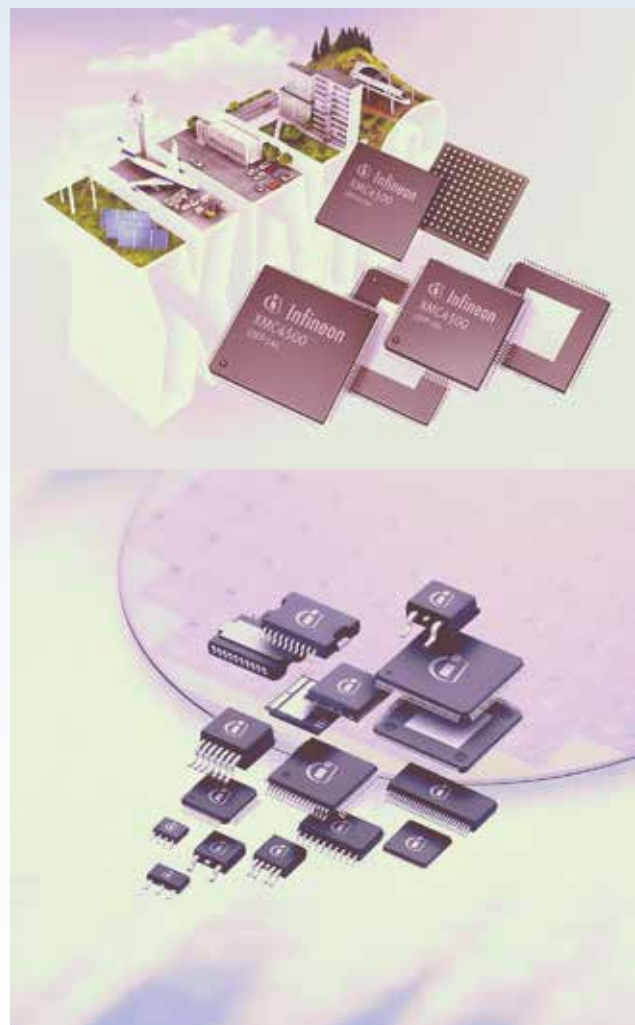
Infineon is Germany's largest semiconductor manufacturer and a global leader in semiconductors for the automotive, power management and hardware security industries.

The company has a cumulative investment of RM11 billion at three entities in Malaysia. The company is investing into expansions at all three companies including:

- Infineon Technologies (Kulim) Sdn Bhd: Infineon's first wafer fabrication facility in Asia presently employs 1,800 staff. The company has plans to double its production capacity by expanding its operations and adding another additional 12,000 sqm fab facility.
- Infineon Technologies (Malaysia) Sdn Bhd: Infineon's largest assembly and test facility in Melaka for discrete semiconductors, power semiconductors and sensor products. The facility currently employs more than 5,700 staff.
- Infineon Technologies (Advanced Logics) Sdn Bhd: Infineon's assembly and test facility in Melaka for logic ICs, power semiconductors. It presently employs more than 1,900 staff.

The investments include the establishment of a Competence Centre for Megatrend Technologies in Kulim and the expansion of a Development Centre in Melaka. Both these initiatives will create more high-tech job opportunities for Malaysians. The Development Centre focuses on R&D competencies in areas of innovative IC packaging solutions, testing and product development.

Infineon is also collaborating with local universities such as Universiti Teknikal Malaysia Melaka (UTEM), Multimedia University (MMU), Universiti



Kebangsaan Malaysia (UKM) and the German Malaysian Institute (GMI) in areas of talent development such as the Engineering Booster Program and German Dual Vocational Program in industrial management.

\* 10-year forecast subject to change

\*\* Employment data to date

# Pengerang Integrated Complex



**Project Cost**  
US\$27 bil.\*

**Employment : 4,000 people\*\***  
20% management, 40% technical professionals, 40% skilled technicians

PETRONAS' Pengerang Integrated Complex (PIC) development comprises of the Refinery and Petrochemical Integrated Development (RAPID) complex and its associated facilities including the Pengerang Co-generation Plant (PCP), Re-gasification Terminal 2 (RGT2), Air Separation Unit (ASU), Raw Water Supply Project (PAMER), Liquid Bulk Terminal (SPV2) as well as Centralized and Shared Utilities and Facilities. In 2014, MIDA approved RM 14.8 billion worth of petrochemical plants' manufacturing licenses in relation to the project.

Developed within a 6,242-acre site in Pengerang, Johor, PIC forms part of the Johor State's Pengerang Integrated Petroleum Complex (PIPC), which is under Malaysia's Economic Transformation Programme (ETP) to establish new engines of growth for Malaysia; whilst meeting future energy requirement and strengthening PETRONAS'

position as a key player in the Asian chemicals market, focusing on differentiated and specialty chemicals.

RAPID is estimated to cost US\$16 billion while the associated facilities will involve an investment of about US\$11 billion. PIC is poised for its refinery start-up by early 2019.

PETRONAS remains fully committed to projects in Pengerang that have received their Final Investment Decision (FID). PETRONAS Board approved the Pengerang Integrated Complex (PIC)'s FID on 3rd April 2014, and the project is currently progressing as scheduled.

*\* 2019 Forecast*

*\*\* Projected employment opportunities during PIC Operations (2019)*



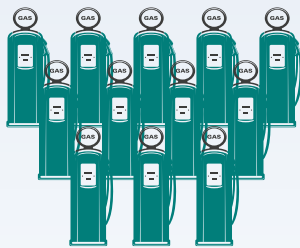
*Photo for illustration purposes only*

# Quick facts

The Pengerang Integrated Complex (PIC) will process up to **300,000 barrels** of crude oil per day to make premium fuels and petrochemicals

## FUEL PRODUCTS

Euro 4M (Mogas & Diesel)  
Euro 5 (Diesel)



## PETROCHEMICALS

LPG &  
Naphtha



## REFINERY

## STEAM CRACKER

Commodities



Differentiated



Specialty chemicals



C2 Olefins

C3 Olefins

C4 Olefins

## THE PIC WILL BE SUPPORTED BY KEY ANCILLARY FACILITIES



### PENGERANG CO-GENERATION PLANT (PCP)

The PCP will generate 1,220 MW of electricity and up to 1,480 tonnes per hour of steam to power the plants within the complex.



### RE-GASIFICATION TERMINAL (RGT-2)

The RGT-2 will offer LNG unloading and reloading, storage, handling and regasification. The plant will have a capacity of 3.5 mtpa and will be connected to the Pengerang Gas Pipeline.



### LIQUID BULK TERMINAL (SPV2)

The SPV2 industrial terminal will have a storage capacity of 2.1 million cbm for crude, refined products, petrochemical products and Liquefied Petroleum Gas (LPG). It will feature a deep-water jetty facility for handling Very Large Crude Carriers.



### AIR SEPARATION UNIT (ASU)

The ASU separates atmospheric air into its primary components and supplies gaseous oxygen and nitrogen to RAPID customers. It will have a capacity of 1,600 TPD of oxygen and 1,800 TPD of nitrogen.



### RAW WATER SUPPLY (PAMER)

PAMER will supply 260 million litres of raw water per day to the complex, of which 30 million litres will be channeled to Johor's existing water supply for public consumption.



### UTILITIES, INTERCONNECTING AND OFFSITE (UIO) FACILITIES

The entire complex will be supported by comprehensive utilities and offsite facilities for air systems, fuel systems, firewater, flare, tankage and storage among others.



# ViTrox Technologies Sdn Bhd



**Project Cost**  
RM1,226.13 mil.

**Employment: 1,000 people**  
56% engineers, 3% researchers, 15% technicians/skilled workers

ViTrox Technologies, a wholly owned subsidiary of ViTrox Corporation Berhad, is one of the world's leading automated machine vision inspection solution providers with an extensive customer base in Malaysia, Singapore, Indonesia, Thailand, Vietnam, Philippines, Taiwan, China, Japan, Korea, India, Australia, Europe, Brazil, Mexico, the USA and more.

In 2014, ViTrox Technologies launched its Centre of Excellence (COE) for Machine Vision technology. The COE has two main functions, namely as a Research & Development/Incubator Centre and a Training Centre. As a R&D/Incubator Centre, it provides an avenue for SMEs to gain access to vision technology for their products. Meanwhile, as a Training Centre, it provides training to technopreneurs, professionals, researchers and



institutions of higher learning on vision machine technology.

*ViTrox: Project Cost & Employment (2020 forecast)*

# Alliance Contract Manufacturing Sdn Bhd



**Project Cost**  
RM178.12 mil.

**Employment: 444 people**  
11.5% engineers, 2.9% researchers, 23.9% skilled workers

This Penang-based company is a total manufacturing solution provider for a wide range of industries such as semiconductor, E&E and medical devices industries.

Since its incorporation, ACM has developed manufacturing partnerships with several leading Original Equipment Manufacturers (OEMs) in the areas of computer peripherals (data storage, network printers), printing, imaging display, health imaging, medical device, telecommunication, electric vehicle, industrial equipment and oil & gas products for OEM.

In the year 2014, the company embarked on a modernisation programme to upgrade its facilities and training to produce front-end assembly, back-end semiconductor processing and electronics assembly equipment and related components. The majority (80%) of the company's products are



exported to countries such as the USA, EU, ASEAN China, Taiwan, Japan and South Korea.

# Genting Integrated Biorefinery Complex



**Project Cost**  
RM1.4 bil.

**Employment: 427 people**  
12.4% engineers, 13.6% science personnel, 66.7% skilled workers

The Genting Integrated Biorefinery Complex is a first-of-its-kind downstream manufacturing complex in Malaysia that will utilise palm oil as feedstock to produce renewable olefins, specialty chemicals and other high value-added derivatives.

Based in Palm Oil Industrial Cluster (POIC) Lahad Datu, Sabah, the project involves the setting up of facilities for the cost-effective production of specialty high-performance products, which are used in a wide variety of goods including hybrid lubricants, lubricant additives, oil drilling fluids, superior performance cleaners and detergents, surfactants and degreasing solvents.



# Semperit Engineering & Technology Asia Sdn Bhd

**SEMPERIT** 

**Project Cost**  
RM1.04 mil.

**Employment: 12 people**  
67% engineers, 17% scientists

Semperit Engineering & Technology Asia Sdn Bhd (SET) is a subsidiary of Semperit AG Holding from Austria. Its main activities include manufacturing of specialised rubber and plastic products for the medical sector and other industries. SET was incorporated in 2013 to undertake R&D activities on equipment and processes in glove manufacturing, providing end-to-end solutions.

The R&D services offered by SET to its related and unrelated companies in the gloves manufacturing industries in Malaysia will ensure the competitiveness of Semperit Group in producing environmentally friendly products. Through Latexx Partners Berhad, a related company by which the R&D services will be provided, the medical examination gloves are being distributed to more than 300 customers in 80 countries.



# Oleon Solutions Sdn Bhd



**Project Cost**  
RM34.7 mil.

**Employment: 20 people**  
90% researchers

Oleon Solutions Sdn Bhd, a proposed subsidiary of Oleon NV from Belgium, conducts R&D activities on fatty ester which is used to manufacture oleochemical products such as soaps, shampoo, cosmetics, plastics, paints, emulsifiers, biodegradable lubricants and hydraulic oils. It will be the first company in Malaysia that has its own Research Centre focusing specifically on oleochemical products developed from Malaysia's palm oil resources.

This project creates a nationwide oleochemical industry ecosystem through partnerships with government agencies such as MPOB, local universities and design companies. It will register intellectual property (IP) in Malaysia, further contributing to the nation's economy. This project also involves technology transfer from Oleon Innovation Centre, France in terms of developing new scientific analysis protocols, involving the production of fatty ester-based products.



The company also offers internship programmes to undergraduates and post graduates students, involving hands-on and practical experience in product development and analytical instruments.





# REDtone Mex Sdn Bhd

**RED**tone

**Project Cost**  
RM120.9 mil.

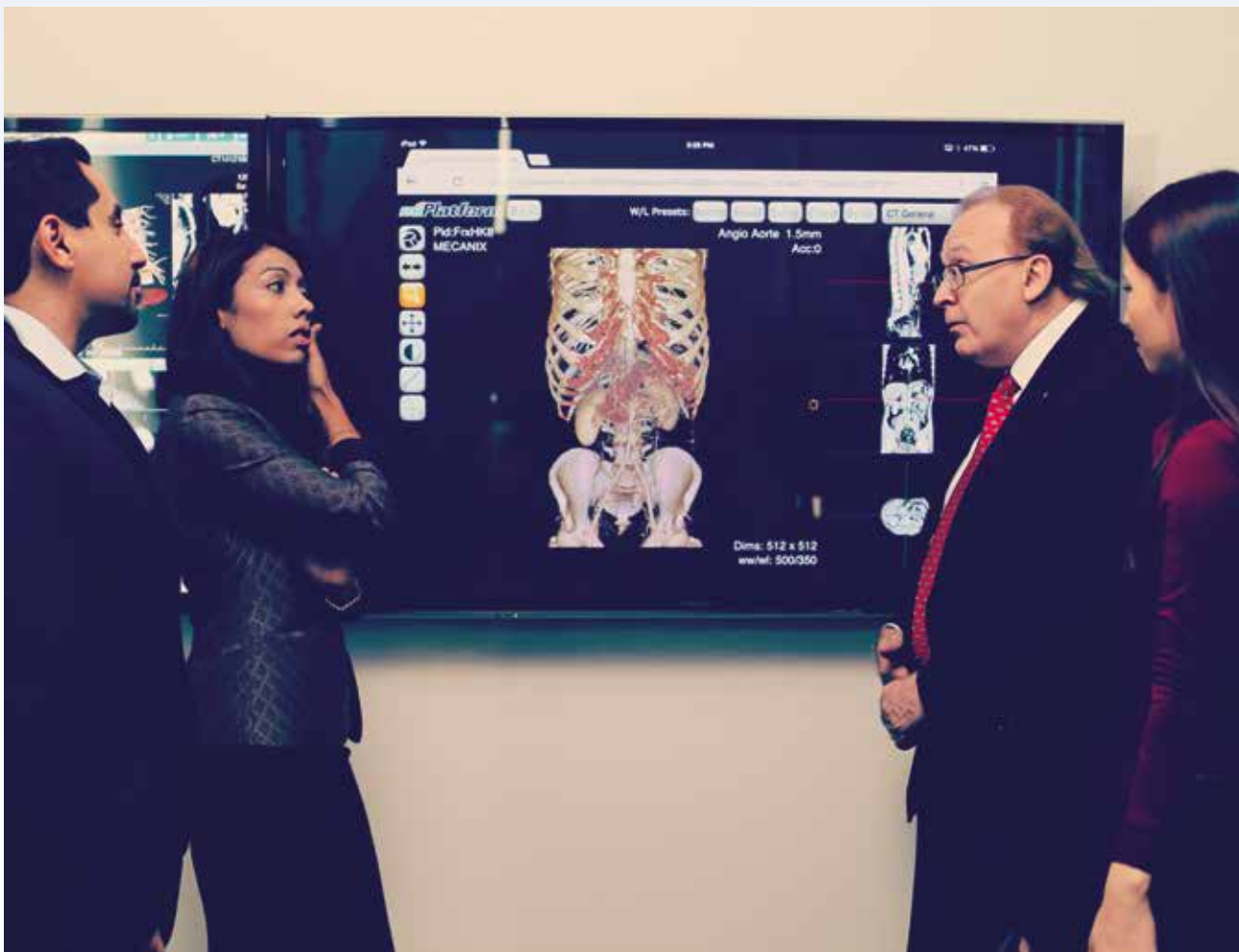
**Employment: 118 people**  
25% engineers, 24% scientists, 25% skilled workers

REDtone Mex Sdn Bhd is a subsidiary company of REDtone International Berhad (REDtone International). Incorporated in July 2013, this company plans to set up the biggest Medical Exchange (MEX) Telehealth Solution in South East Asia, focusing on image-based teleconsultation/ teleradiology exchange and cloud-based personal health records (PHR).

This project not only increases the capabilities of local radiologists but will also produce more radiologists specialising in teleradiology/ teleconsultation in Malaysia through technology transfer programmes from USA and Australia.

This will in turn create a diagnostic hub for other Malaysian radiologists. In the short term, this project will decrease the hospital's operation expenditure by outsourcing the telehealth activity to a third-party company. In the long term, it will increase the quality of medical tourism, contributing to the country's tourism sector.

The project is in line with the goal of EPP 5: Launching e-Healthcare, under the Communication Content & Infrastructure NKEA, with the aim of achieving RM 1,402.25 billion Gross National Income (GNI) contribution by the year 2020.



# Malaysian Bio-XCell Sdn Bhd



**Project Cost**  
RM440.1 mil.

**Employment: 62 people**  
26% engineers, 55% lawyers, business development and technical staff

Malaysian Bio-XCell Sdn Bhd is the developer of Bio-XCell, a biotechnology park and eco-system dedicated to healthcare and industrial biology located in Nusajaya, Johor. As one of the initiatives to attract biotechnology companies to be located in the park, the company has embarked on a project for the generation of steam and chilled water using biomass and biogas sources from palm kernel shell (PKS), mesocarp fibre, wood pellets, wood chips and industrial waste water to be supplied to companies located in the Bio-XCell Biotechnology Park; as well as for the generation of electricity using biogas from industrial waste water for own consumption.



This new concept of an integrated utilities facility for the supply of steam and chilled water to industries is the first-of-its-kind in Malaysia. This project is also in line with the Government of

Malaysia's announcement of renewable energy (RE) as being the fifth fuel besides oil, natural gas, coal and hydro and to reduce 40% of its emission intensity of GDP by the year 2020.

# Admanco Sdn Bhd

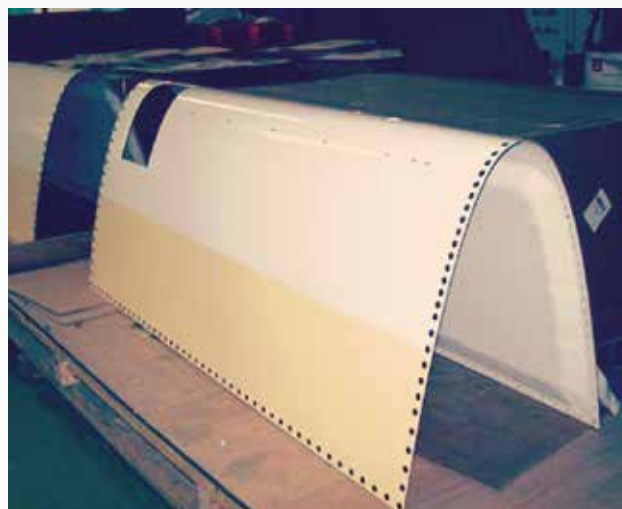


**Project Cost**  
RM340.1 mil.

**Employment: 82 people**  
20.7% engineers, 4% researchers, 51.2% skilled workers

Admanco Sdn Bhd, newly incorporated in 2014, is a company fully owned by Malaysians. The company will be producing aircraft composite parts for some of the leading Airbus and Boeing models such as A320, A350, B737 and B787.

The company plans to invest a total of RM340.1 million in this project within seven years with its proposed plant sites in Ayer Keroh Industrial Estate, Melaka and Green Asia Aerospace Technology Park, Sri Iskandar, Perak. Admanco Sdn Bhd will further spur the growth of the aerospace industry in the country. This project is in line with Malaysia's strategy to drive the development of domestic investments by focusing on high value added and high technology industries.





# Abbott Manufacturing Malaysia Sdn Bhd



**Project Cost**  
US\$ 60 mil.

**Employment: 500 people**

Abbott is a global healthcare company with portfolios in diagnostics, medical devices, nutritional and branded generic pharmaceuticals. The establishment of Abbott Manufacturing Malaysia Sdn Bhd marks the first manufacturing investment in Malaysia for Abbott's vision care business, broadening Abbott's presence globally. Plant operations are expected to begin in 2015, with the first products available in the second half of 2016.

The facility will produce intraocular lenses (IOLs) that are used to treat cataracts and myopia and will supply the global IOLs market.

The same technology used currently to produce Abbott's IOLs will also be employed at the new state-of-the-art facility in Malaysia, ensuring a level of quality equivalent to IOLs manufactured at the company's other manufacturing facilities in Añasco, Puerto Rico and Groningen, The Netherlands.



# Enaltec Labs (Malaysia) Sdn Bhd



**Project Cost**  
RM67.0 mil.

**Employment: 175 people**

26% scientists, 28% researchers, 16% skilled workers

Enaltec Labs (Malaysia) is a new growth segment for SCITECH Limited, a United Arab Emirates based company. It conducts research, development and commercialisation of oncology Active Pharmaceutical Ingredients (API) in Malaysia and is the first of its kind in ASEAN.

This project promotes investments in high-tech industries, especially in the pharmaceuticals field and thus serves to complete the ecosystem value chain and reduce import dependency. Many local vendors and suppliers of raw materials, equipment and packaging materials will stand to benefit from this project. The long term benefits of this project include attracting other pharmaceutical projects to the country, developing the talent pool through



training internships and transfer of technology and knowledge, as well as improving industry competitiveness.

# PKT Logistics (M) Sdn Bhd

**Project Cost**  
RM1.0 bil.

**Employment: 286 people**  
27% managerial staff, 45.1% skilled workers

PKT Logistics (M) Sdn Bhd (PKT) is a Malaysian owned company established in 1974, to provide end-to-end design, implementation and operation of total logistics solutions in freight forwarding, customs brokerage, contract logistics, haulage and distribution management for large-and medium sized national and multinational companies.

PKT has recently broadened its integrated logistics services through two expansion projects involving One Logistics Hub in Shah Alam, Selangor and One Eastern Hub in Kuantan, Pahang as well as one diversification project which is One Auto Hub in Batu Kawan, Pulau Pinang.

The existing One Logistics Hub will be further expanded to include the construction of "The Lighthouse Warehouse", the tallest warehouse in Malaysia and the first certified green warehouse by the Green Building Index (GBI). The expansion in One Eastern Hub will involve the development of

"The Glacier Warehouse", which will be the biggest green warehouse in the East Coast, focusing on the oil & gas industry.

PKT's diversification project in Pulau Pinang which is an Entry Point Project (EPP) will involve collaborations with established automotive companies such as Peugeot, Mazda, Citroen, Kia, Naza, BMW, INOKOM and Hyundai. Among the facilities available will be the factory for module assembly, warehouses for Completely Built Unit (CBU) and Completely Knocked Down (CKD) automotive parts, Pre-Delivery Inspection (PDI) Centres, Container Storage Yard and R&D Centre. Other distinctive facilities including the International Campus University for Logistics and other fields through its collaborations with the University of Hull, UK. This project will position PKT as the largest automotive logistics provider in Malaysia as well as the first logistics company to have a certified green elevated warehouse.





The MIDA logo features the letters 'MIDA' in a bold, sans-serif font. The letter 'A' is stylized with a red chevron pointing to the right. Below the letters, the full name 'MALAYSIAN INVESTMENT DEVELOPMENT AUTHORITY' is written in a smaller, all-caps font.

**MIDA**  
MALAYSIAN INVESTMENT DEVELOPMENT AUTHORITY

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