

MALAYSIA INVESTMENT 2017

FORGING FORWARD





2017: YEAR OF MANY CHALLENGES...



- According to UNCTAD, Global FDI flows fell by 16% in 2017 to an estimated US\$1.52 trillion (earlier forecast was US\$1.81 trillion in WIR2017).
- Commodity prices and global economic activities remain subdued
- Evolving US economic policies on global trade
- Elevated geopolitical risks further amplified economic challenges



- Managing foreign workers
- Malaysian companies' readiness in adopting Industry 4.0
- Future-ready human capital
- Competition in attracting quality investments



RECENT FOREIGN INVESTMENTS IN MALAYSIA ...



- 28 Feb 2017 PETRONAS and Saudi Aramco signed a Share Purchase Agreement (SPA), allowing Saudi Aramco's equity participation in PETRONAS' Refinery & Petrochemical Integrated Development (RAPID) project in Johor
- 28 Feb 2018 YAB Prime Minister announced that the partnership has been finalised and the committed amount USD7 billion will be invested by end of March

Among the few world-scale Greenfield projects involving partnership between two professionally run National Oil Companies



RECENT FOREIGN INVESTMENTS IN MALAYSIA ...

Cont'd

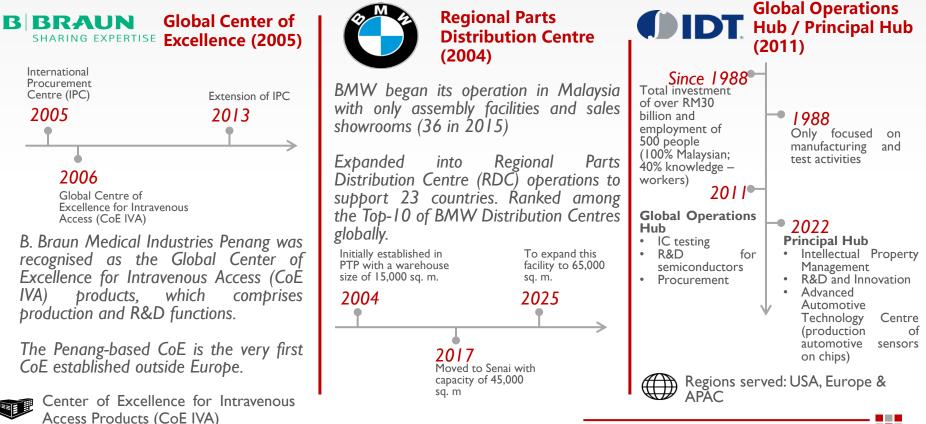


- 26 Feb 2018 Peugeot bought 56% stake in Naza's plant in Gurun, Kedah to establish its ASEAN Hub
- Peugeot models set to be produced in 2018 and Citroen models to be produced in 2019
- NAZA aims to export 20,000 cars from Gurun in the next 3 years
- 23 Feb 2018 SK Group to establish a Regional Head Office in Malaysia covering ASEAN, India and the Middle East for a blue ocean shift
- creative collaboration in key areas such as ICT & 5G, Oil & Gas, Green Technology as well as urban development
- development of Blue Ocean Smart Cities in Malaysia, starting with Cyberjaya





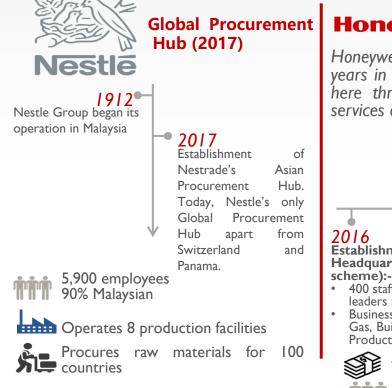
COMPANIES MAKING MALAYSIA AS THEIR BUSINESS HUB



- 5



COMPANIES MAKING MALAYSIA AS THEIR BUSINESS HUB



Honeywell ASEAN Headquarters (2015)

Honeywell has been in operation for 33 years in Malaysia and it began its presence here through manufacturing and sales & services operations (6 entities)

To set up Honeywell Group's Ist Global Procurement Centre in Malaysia to support 100 countries worldwide. 2018

Establishment of Honeywell's ASEAN Headquarters (under the Principal Hub

- 400 staff members, including 50 regional leaders and experts.
- Business development of Aerospace, Oil & Gas, Building Technologies and Safety & Productivity segments



Total investment of RM2 billion

,500 employees



Ikea has made a strategic decision to establish its Regional Distribution and Supply Chain Centre for ASEAN in Malaysia.

The Centre, which will adopt the structure and technology of IKEA's biggest Regional Distribution Centre in Germany, will also be among the top 10 largest Regional Distribution Centres of IKEA globally.



Centre will serve 12 retail stores in the region



RM907 million (within 5 years)



COMPANIES MAKING MALAYSIA AS THEIR BUSINESS HUB



Asia Regional Oil & Gas Hub (2016)

McDermott has 100 years experience in the Oil & Gas industry. It Moved its Asia Regional Oil & Gas Hub from Singapore to Malaysia. This Asia Regional Oil & Gas Hub serves 7 countries by managing:-

- Central project oversight
- Supply chain coordination
- Engineering Centre of Excellence
- 400 regional positions and engineers

12,400 employees worldwide



Began operations as a Technical Training Centre to support related 2001 companies in Asia.

> **2006** Set up a Shared Service Centre (Finance & Accounting) for Asia.

Has evolved into a Global Operational Headquarters (GOHQ) which supports over 100 countries worldwide by managing:-

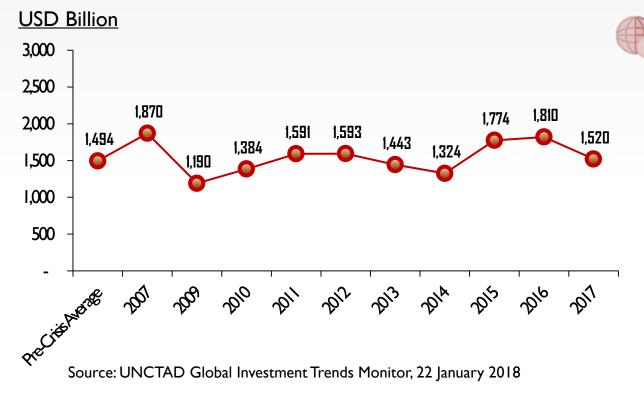
- Data Hosting Centre
- Technical support
- Strategic market development
- Customer Solutions Integration & Innovation Experience Centre (Trains 300 students yearly)







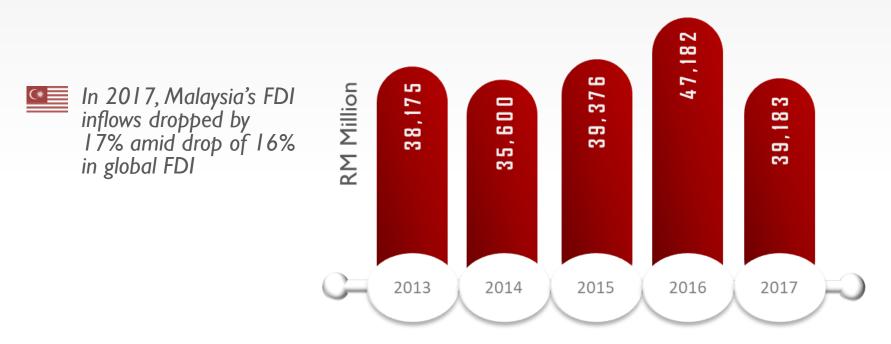
GLOBAL FDI INFLOWS



Global FDI flows fell 16% in 2017, reaching an estimated US\$1.52 trillion. According to UNCTAD, the drop is due to weak economic growth and major global policy risk



MALAYSIA'S FDI INFLOWS

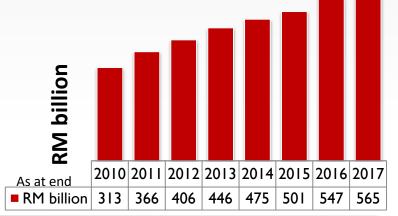


Source: DOSM



MALAYSIA FDI STOCK

FDI Stock in 2017 totalled RM 565 billion



FDI Stock by Sector

7 [®] *®		<u>RM billion</u>
_	Manufacturing,	RM231.9
S	Finance & Insurance,	RM120.2
Ô	Information & Communication,	RM 44.1
•••	Others,	RM168.8

Singapore ranked 1st followed by Japan and Hong Kong in terms of FDI Stock

Ranking	Country	RM Million
1	Singapore	116,343.55
2	Japan	71,608.62
3	Hong Kong, SAR	50,380.68
4	The Netherlands	40,731.77
5	United States of America	33,407.23
6	Switzerland	29,951.76
7	Germany	24,775.19
8	Virgin Islands (British)	22,065.48
9	United Kingdom	19,409.53
10	Bermuda	15,499.62
11	China, People's Republic of	14,623.63

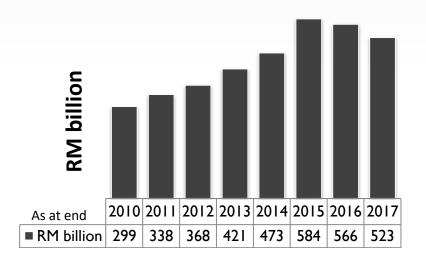
Source: DOSM



MALAYSIA DIRECT INVESTMENT ABROAD (DIA) STOCK

Others,

DIA Stock in 2017 totalled RM 523billion



DIA Stock by Sector

RM billion RM181.2 RM82.6 RM 47.5 RM211.7

DIA Stock by Country



Finance and Insurance,

Information & Communication,

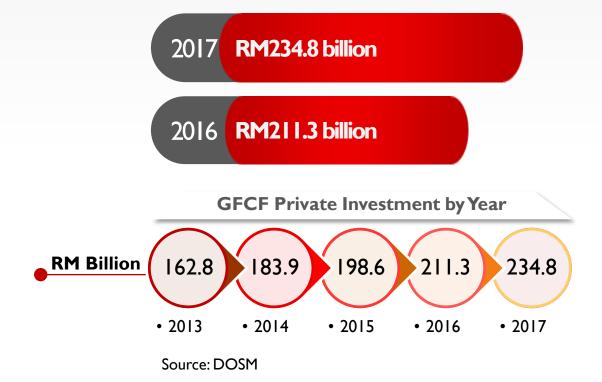
Mining & Quarrying

RM	93.7 bil
RM	45.8 bil
RM	383.5 bil

Source: DOSM



GROSS FIXED CAPITAL FORMATION (GFCF) – PRIVATE INVESTMENTS



In 2017, private investments registered a growth of 11.1% exceeding the targeted 9.4% growth p.a. of private investments set under the 11MP*.

* IIMP private investments target = RM291 billion p.a.

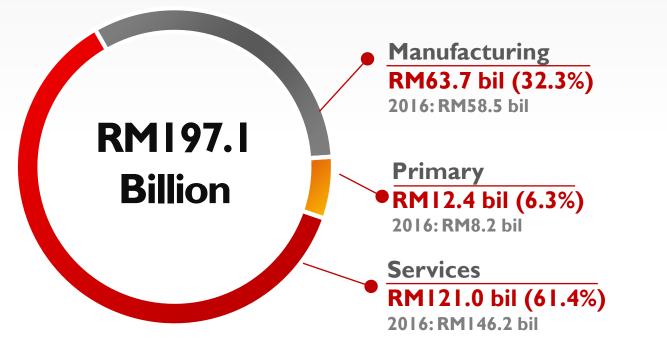


TOTAL APPROVED INVESTMENTS IN 2017



INVESTMENTS BY SECTOR

The Services sector continued to lead with investments of RM121 bil, followed by Manufacturing and Primary sectors

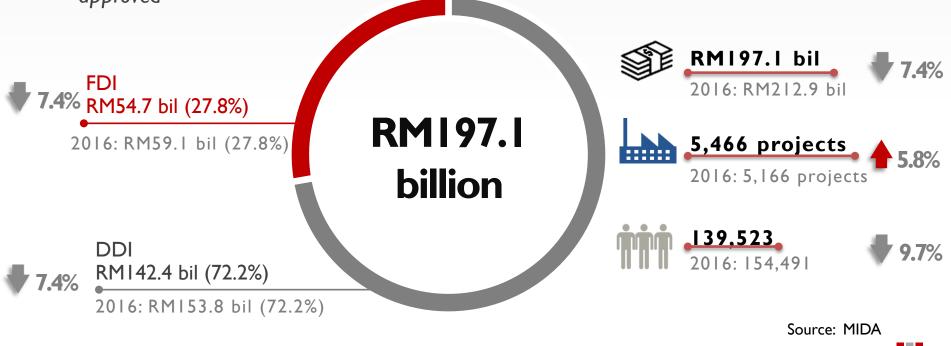


Source: MIDA



TOTAL APPROVED INVESTMENTS IN 2017

Overall approved investments in 2017 dropped by 7.4% amid decline in investments in the services sector. However, the year 2017 recorded a rise of 5.8% in number of projects approved





EMPLOYMENT CREATION IN 2017

More people employed in 2017



Unemployment rate (3.3%) lower by 0.2% in Dec 2017 compared to Dec 2016

12% increase in hiring activity

year on year.

ivity now hiring

Stronger job opportunities expected in 2018

- Job Outlook Report 2018 by JobStreet.com

Manufacturing sector is expected to maintain/increase

is expected to maintain/increase headcount

-FMM-MIER Business Conditions Survey

Source : DOSM, Job Street, FMM-MIER



ANNUAL EMPLOYMENT BY TYPES OF ECONOMIC ACTIVITY

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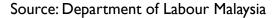
Economic Activity	2013	2014	2015	2016	2017
Agriculture	I,788	I,798	1,751	I,745	I,843
Mining and quarrying	78	78	97	86	82
Manufacturing	2,352	2,389	2,375	2,394	2,436
Construction	1,264	1,242	1,308	1,277	1,333
Services	8,062	8,345	8,537	8,66 I	8,789
Total Employment	13,545	13,853	14,068	14,164	14,482



RETRENCHMENT TRENDS 2015-2017

2015 2016 2017 36,570 32,552 30,414 5,147 3,040 1,929

Local



Foreign



EMPLOYMENT CREATION IN 2017

The year 2017 saw many companies undertaking opening ceremonies and ground-breaking announcements

More than **7,000** actual jobs from quality investments created by these companies.





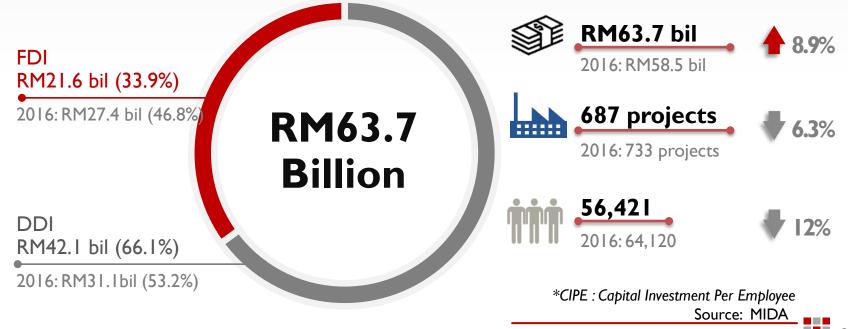


MANUFACTURING SECTOR



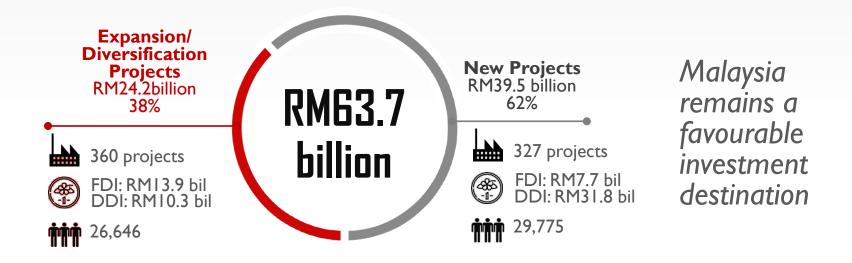
APPROVED INVESTMENTS IN THE MANUFACTURING SECTOR IN 2017

Approved investments increased by 8.9% year-on-year, supported by huge investments from quality projects CIPE* increased by 25% to RM1.13 billion from RM0.9 billion in 2016





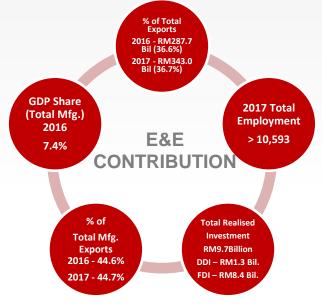
NEW & EXPANSION/DIVERSIFICATION PROJECTS APPROVED IN 2017







E&E OUTLOOK & CONTRIBUTION TO MALAYSIA ECONOMY





Intensity in R&D activities. (R&D Centre) and Centre of Excellence

Top Export Contributor for Manufacturing (Trade Surplus)

Full Range of E&E Ecosystem & Cluster (Semiconductor, Solar, LED)

Global Outlook

Semiconductor CAGR (2016 – 2021) - 6.2% (Statista) LED CAGR (2017-2021) – 18.4% (Research & Markets 2017) Solar CAGR (2016 – 2020) – 15.2% (Sandler Research)

Major MNCs in the E&E Industry





EVOLUTION OF MALAYSIA'S E&E INDUSTRY

• Started in 1970's

- Components: AMD, HP, Intel, Osram, Hitachi and Texas Instruments
- Consumer Electronics: Clarion and Bosch
- Malaysia ranks 7th in global E&E exporters (World Trade Atlas, 2016)

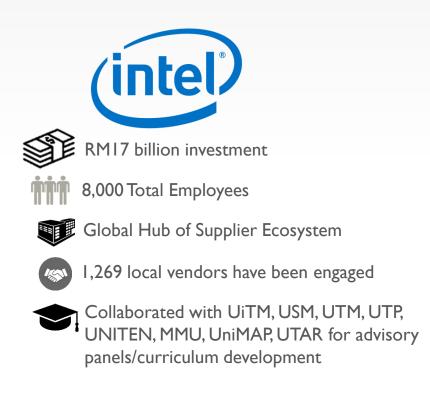
Simple components, semiconductor parts assembly and SKD electrical products	Consumer electronics parts to full assembly	Office & computer equipment (inc. hard disk drive and hard disks). Transition into R&D activities to move up value chain	Higher value-added products/activities : R&D, IC & System Design, Wafer fab, Ingot growing Low volume, high complexity and high mixed products. Digital consumer goods.	Sensors, Internet of Things (IoT), Cloud Computing, Wireless Electronics, Nano Technology, SMART Electronics, 3D Integration, Smart Grid Advanced Energy Storage, Fablite, Fabless, Miniaturization, Electric Vehicle (EV)	Autonomous vehicles, Robotic servants, Telekinesis, Virtual Reality, Artificial Intelligence, Smart Machines
1970's	l 980's	1990's	2010's	Current	Future

- Labour Intensive
- Low Technology Products
- Low value added

- Capital Intensive
- Knowledge Based
- Hi-Tech
- High Value Added



Intel was engaged with Assembly & test activities in the past and currently engaged with full integration of assembly & test including R&D activities with complete IoT system solution involving chipset, processors, and networking & communication devices.





Infineon is engaged in assembly, testing & packaging of power semiconductor, advanced logic semiconductor as well as manufacturing wafer fabrication for power and logic chip.

Infineon Malaysia is the only fullyintegrated operational facility for the Infineon Group.





RM 14 billion of realised investments



10,730 Total Employees 9,388 Malaysians



Competence Centre for Megatrend Technologies and Technology Advancement of Wafer Fabrication Facility

Cont'd



Collaborated with UTAR, UniMAP, USM, IIUM, UM, AIMST, and KDU



302 vendors in Kulim



Motorola Malaysia has been investing in Malaysia for 42 years and it owns the world's largest 2-way radio factory.

It has over 400k sq. ft. of high-tech manufacturing & design facilities.

Motorola facilities in Penang features Global R&D Development Centre, Global Manufacturing Centre, Centre of world wide distribution, and Asia-Pac Regional 24X 7 Support Centre.





I,586 total employees I,100 R&D employees



60 local vendors engaged



One-Stop Radio Communication Solutions Centre



More than I billion USD of realised investments



Collaborated with USM, UTM, UM, UTEM, UniMAP, UiTM, and UMP as well as PSDC and Academia Advisory Panel Cont'd



Freescale Semiconductor was established in 1972 and is currently manufacturing semiconductors.

Located in Sungai Way Free Industrial Zone, the company is also involved with 2 manufacturing related services, I Freescale Asia Fulfillment Centre Sdn Bhd (Shah Alam, Selling entity) -FAFC and FAFC - Global Distribution Centre in Shah Alam (2010) for Freescale (19,000 sqf).

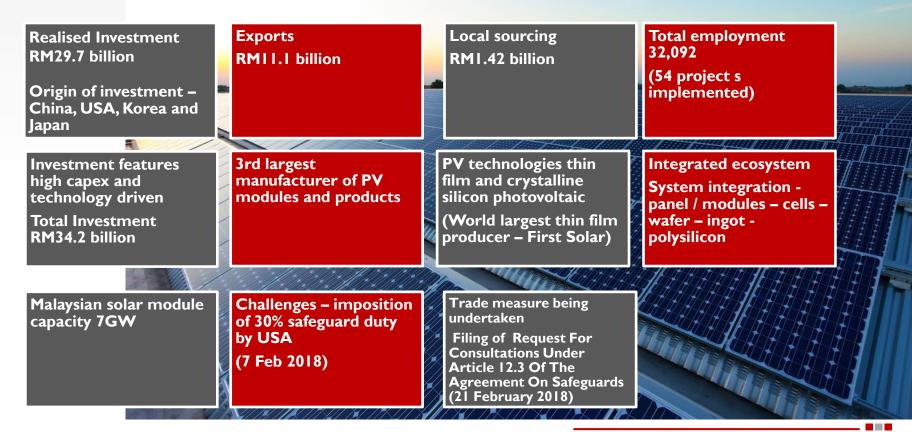


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SNAPSHOT OF SOLAR INDUSTRY & CONTRIBUTION





SOLAR PV CLUSTER

😡 Hanwha Q CELLS

Investment RM2.97 billion

Annual sales RM2.8 billion

Manpower 2,306

Product /activities : Design, development and manufacture of photovoltaic cells and modules

- Exports: USA "Germany, Turkey, Japan , Australia, Malaysia , Hong Kong , Others <u>Note:</u>
- Starting the year 2108, the Company has changed its main export market from US to European region, reaching about 65% per month.
- Production capacity : Cells 1.8GW, Modules 1.8GW

Investment RM5.5 billion

Annual sales RM3.8 billion

• Man power 3,777



- Product / activities :Thin film solar modules, components/ semi-finished products
- Exports: 100% (USA, Germany, Australia)
- Production capacity : > 2.0 GW

Investment RM1.066 billic

Annual sales RM92 mil

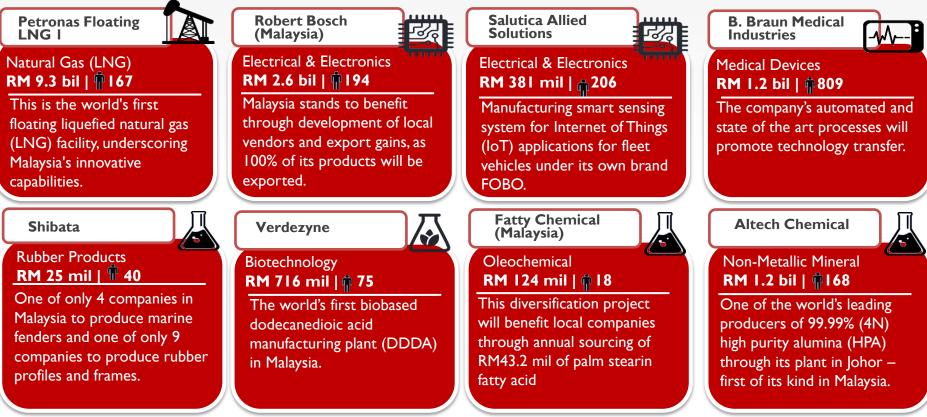


• Man power 2,142

Product / activities : Monocrystalline Ingot, Wafer, Cells And Modules Exports: Taiwan, Korea, U.S. and Europe Production capacity : Ingot IGW, Wafer IGW, Cell 750MW & Module 900MW.



EXAMPLES OF QUALITY PROJECTS APPROVED IN 2017



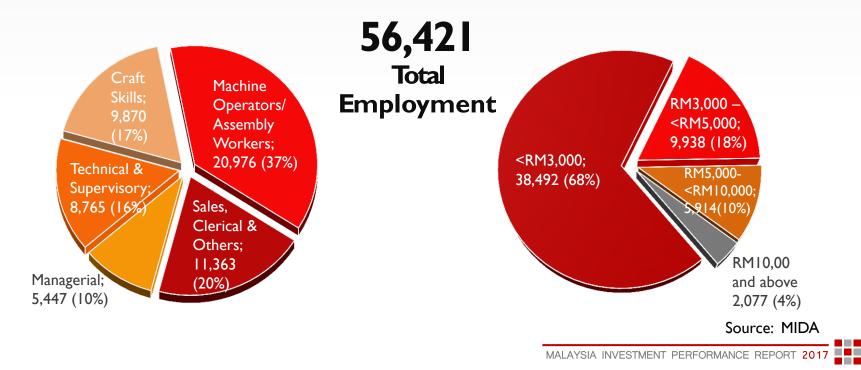


EMPLOYMENT BY CATEGORY

Managerial, Technical/ Supervisory and Craft Skills constitute **42.7%** of total employment

EMPLOYMENT BY WAGE

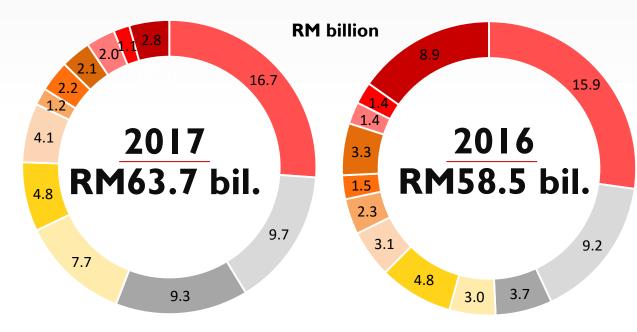
32% of employment created are with salary range of RM3,000 and above.





INVESTMENTS BY INDUSTRY

The bulk of investments came from Petroleum Products, E&E Products and Natural Gas



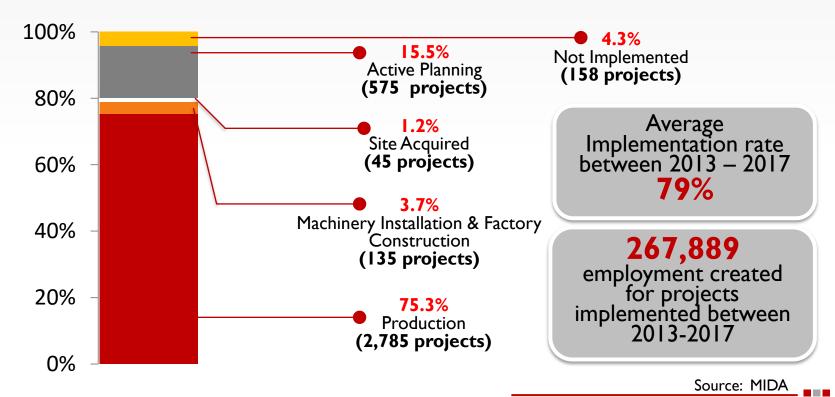
- Petroleum Products (Inc. Petrochemicals)
- Electronics & Electrical Products
- Natural Gas
- Non-Metallic Mineral Products
- Transport Equipment
- Chemical & Chemical Products
- Rubber Products
- Machinery & Equipment
- Food Manufacturing
- Scientific & Measuring Equipment

Source: MIDA



PROJECTS IMPLEMENTED AS AT 31 DECEMBER 2017

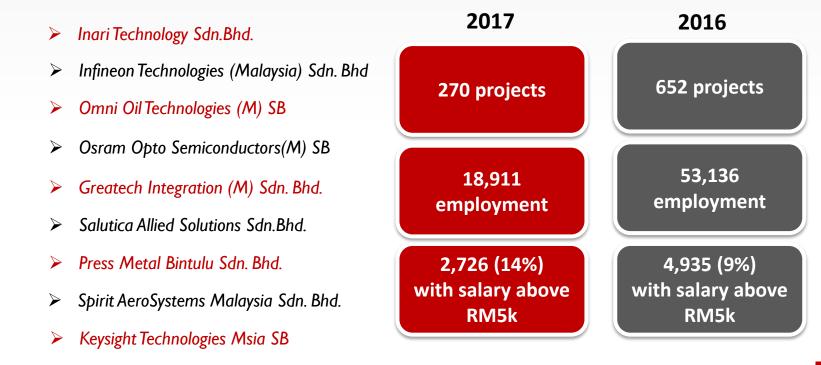
Investments worth RM201.4 bil in implemented projects (2013-2017)





PROJECTS IMPLEMENTED AS AT 31 DECEMBER 2017

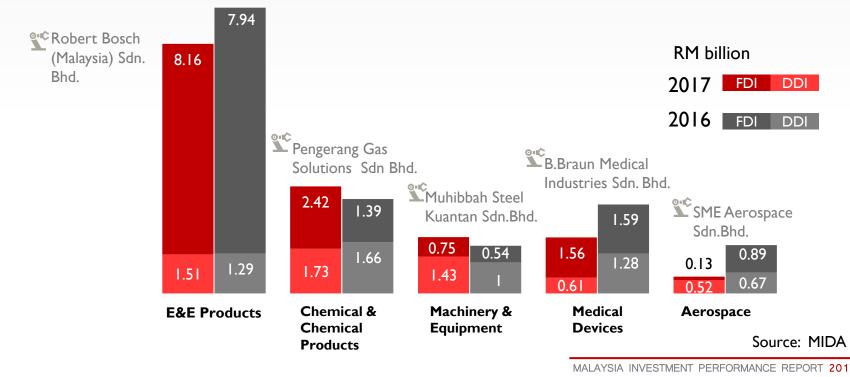
Among projects approved in 2016 & 2017 and implemented as at 31 December 2017





INVESTMENTS IN "3+2" CATALYTIC AND HIGH POTENTIAL GROWTH SECTORS UNDER RMK11

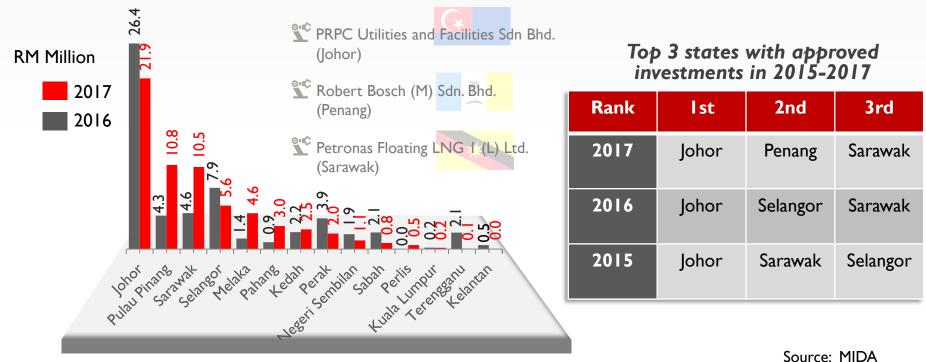
Approved investments in these sectors contributed to 29.5% of total investments approved in the manufacturing sector with 23,390 jobs opportunities (41.5%) in 2017





INVESTMENTS BY STATE

Johor's approved investments of RM21.9 bil. represented 34% of total investments approved in 2017





PENGERANG INTEGRATED COMPLEX (PIC)

Pengerang Integrated Complex (PIC) with 6,242 acres is part of Pengerang Integrated Petroleum Complex (PIPC). The total area of PIPC is 22,000 acres.



PIPC areas

PIC areas

*Source from PETRONAS

The PIC is the largest greenfield investment of an integrated petrochemical hub in the South East Asian region.

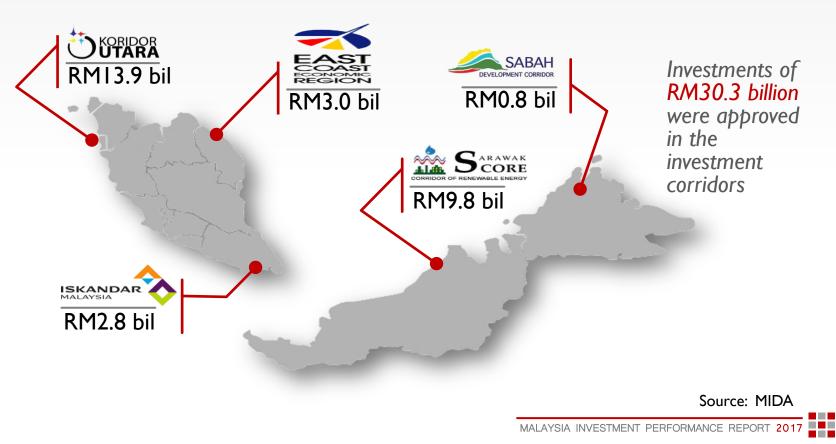
Overall PIC project execution progress is on track at 84%, as at January 2018.

Employment: 4,000 when project is completed

Company	Approved Investments (USD billion)
PRPC Refinery and Cracker Sdn Bhd	10.9
PRPC Polymers Sdn Bhd	2.9
Pengerang LNG (Two) Sdn Bhd	0.7
Pengerang Terminals (Two) Sdn Bhd	2.2
Pengerang Power Sdn Bhd	1.1
PRPC Utilities and Facilities Sdn Bhd	6.4
Pengerang Gas Solutions Sdn Bhd	0.2
PC Isononanol Sdn Bhd	0.4
PRPC Water Sdn Bhd	0.3
Petronas Refinery and Petrochemical Corporation Sdn Bhd	2.1
TOTAL	27.2



INVESTMENTS BY CORRIDOR

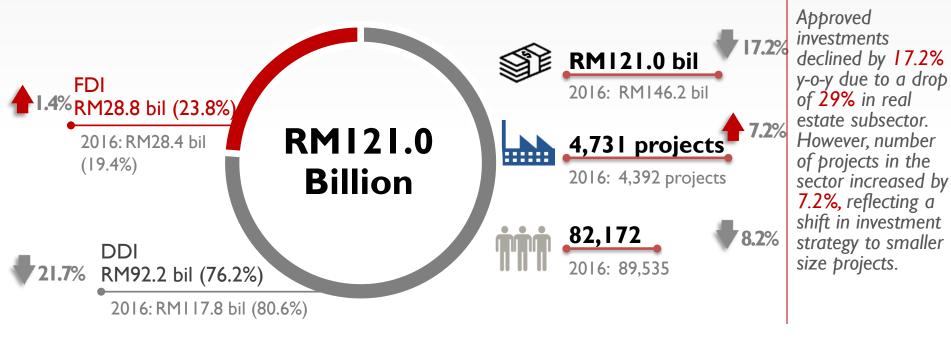




SERVICES SECTOR



APPROVED INVESTMENTS IN THE SERVICES SECTOR IN 2017

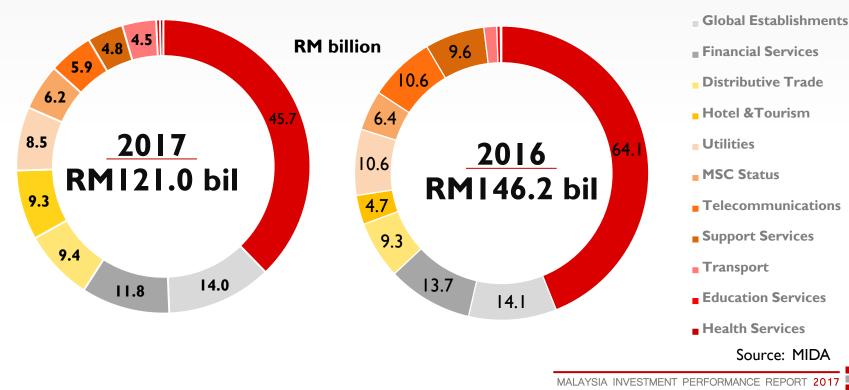


MALAYSIA INVESTMENT PERFORMANCE REPORT 2017



INVESTMENTS BY SUBSECTOR

Real Estate, Global Establishment, Financial Services, Distributive Trade, Hotel & Tourism and Utilities were the major subsectors



Services

Real Estate

Source: MIDA



GLOBAL ESTABLISHMENTS

Principal Hub (PH)

Under the PH scheme, a total of **28** PH projects approved to setup their regional headquarters in Malaysia.



Business commitments RM28.57 billion



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Ancillary services of RM2.35 billion

2,020 high-value jobs for Malaysians over the next 10 years



Representative Offices (RE) and Regional Offices (RO)

RE and RO in Malaysia also saw positive developments in 2017. A total of 216 RE/ RO projects were approved with investments of RM374 million. This was 33.6% higher than the performance in 2016 which registered approved investments of RM280 million.



707 new jobs



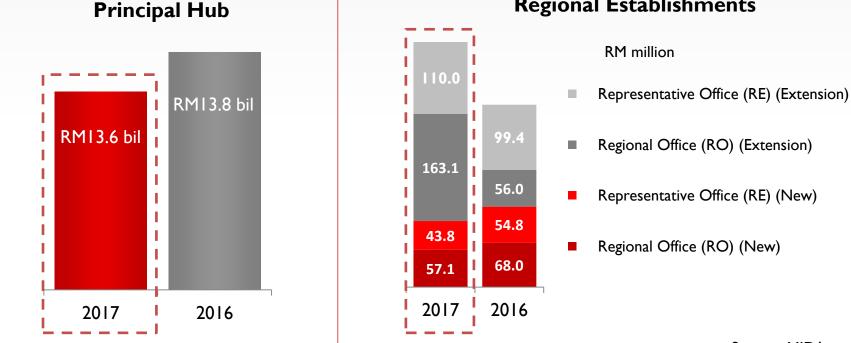
Investments of RM374 million





GLOBAL ESTABLISHMENTS

Investments in Global Establishments decreased by 0.6%



Regional Establishments

MALAYSIA INVESTMENT PERFORMANCE REPORT 20

Source: MIDA



EXAMPLES OF QUALITY PROJECTS APPROVED IN 2017

Integrated Logistics Services **RM 286.9 mil | §54** To undertake e-Commerce Fulfilment Hub activities which will further

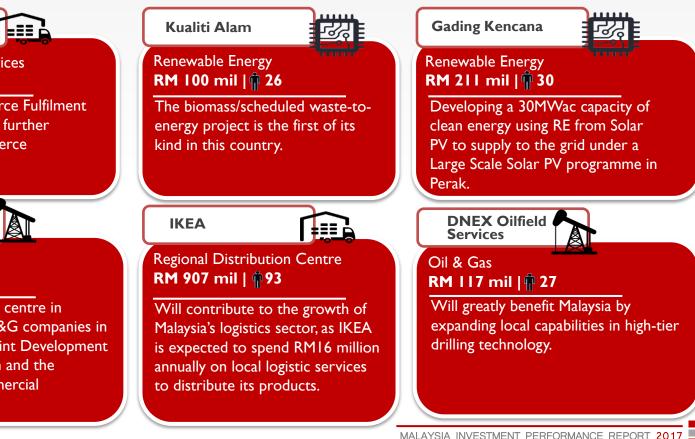
FM Global Logistics

strengthen the e-Commerce ecosystem.

Tok Bali Supply Base (TBSB)

Oil & Gas RM 200 mil | 🛉 440

TBSB will be a one-stop centre in providing services to O&G companies in the Malaysia-Thailand Joint Development Area, North Malay Basin and the Malaysia-Vietnam Commercial Arrangement Area.



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Services

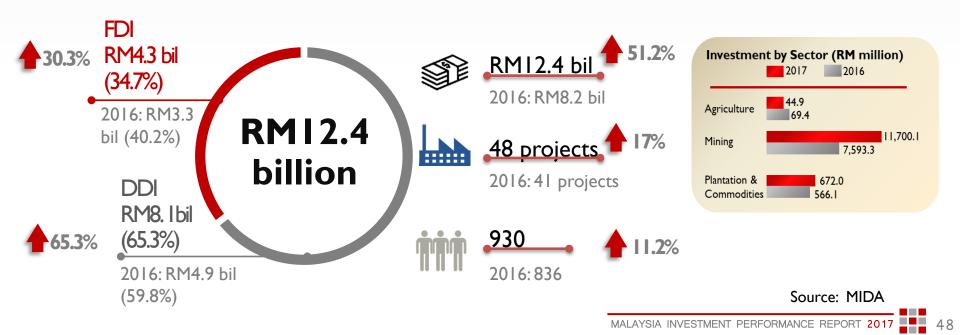


PRIMARY SECTOR



APPROVED INVESTMENTS IN THE PRIMARY SECTOR IN 2017

The mining sector recorded a stronger growth of RM11.7 bil (54%), supported by higher natural gas production, particularly in Sabah and Sarawak





THE WAY FORWARD





INVESTMENT OUTLOOK – GLOBAL

- According to UNCTAD, global FDI flows are expected to bounce back in 2018, to almost \$1.8 trillion
- A synchronised upturn of economic growth in major economies, the gradual recovery in commodity prices and improved profits, prospects in various sectors could boost business confidence and thus MNE's appetite to invest
- Global GDP growth is projected to edge up to 3.1% after a much stronger than expected 2017 growth is expected in all developed economies, including the United States and the European Union
- Domestic demand continues to be the key driver of growth in 2018. The expected faster expansion in global growth would continue to benefit Malaysia's exports, with positive spillovers to the domestic economic activities



INVESTMENT OUTLOOK – MALAYSIA

- Malaysia's economy expanded 5.9 per cent in 2017, which is higher than the 4.2 per cent and 5.0 per cent registered in 2016 and 2015 respectively, and the data points to rising income and employment across a wider swathe of the economy.
- > Job opportunities remain ample with new jobs created and large job vacancies, driven mainly by high-skilled jobs. The rationalisation of jobs were mainly at the lower level as automation began to take place on a larger scale in the sector.
- For Malaysia, growth will increase to 5% 5.5% in 2018, reflecting strong export growth especially in electronics and domestic demand.
- Outlook for the QI 2018 is positive with all forward looking indicators registering improvements.



Source: The World Bank/ BNM/ FMM-MIER



ADVOCATING STRATEGIES



Continuous efforts to develop and enhance synergistic partnerships between MNCs and local companies – MIDA Supply Chain Conferences in targeted industry sectors

Intensifying promotion of high quality projects with focus on R&D, productivity, green technology and other quality features to locate in Malaysia

Adopting and adapting to the Fourth Industrial Revolution/ Industry 4.0 or the Smart Manufacturing revolution

Actualising I IMP's investment strategies in the manufacturing sector's "3+2" catalytic and growth sectors

Leveraging on FTA Networks and AEC in making Malaysia an investment gateway and to gain better market access

Strategic handholding efforts to actualise the implementation of approved projects and continuous facilitation of companies' post implementation

Strategic direct engagements with the private sector and relevant stakeholders for Future-ready Malaysia



INVESTMENTS IN THE PIPELINE

As at January 2018

Manufacturing (RM51.1 billion)

Major sub-sectors

- Basic Metal Products
- Petroleum Products (Incl. Petrochemicals)
- Rubber Products
- Machinery Manufacturing

Services (RM18.4 billion)

Major sub-sectors

- Global Establishments
- > Hotel & Tourism
- Support Services

Total : RM69.5 billion

Sources of Foreign Investments

Singapore, USA, China, Indonesia, Hong Kong, Netherlands, Switzerland





- Interest to invest in Malaysia remains high, despite global uncertainties such as tax reforms. MIDA has RM69.5 billion in the pipeline, set to create more job opportunities for Malaysians.
- The manufacturing and primary sectors for 2017 performed well with increases of 8.9% and 51.2% respectively, despite the moderating overall performance (-7.9%) that was due to a decline in the services sector (17.2%).
- More and more global companies are making Malaysia their hub. Eg. B.Braun, Nestle, Peugeot, IKEA, Honeywell and Schlumberger.
- **China** was the top FDI source for 2 years in a row for the manufacturing sector.
 - China has diversified into many industries & investments benefit Malaysia in terms of job and business opportunities. Eg. Longi and CGPV.
- E&E industry has evolved over the years: from low technology & low value added activities to higher value added products and front-end activities such as design, research and development. Eg. Intel, Osram, Infineon, Motorola and Panasonic.



