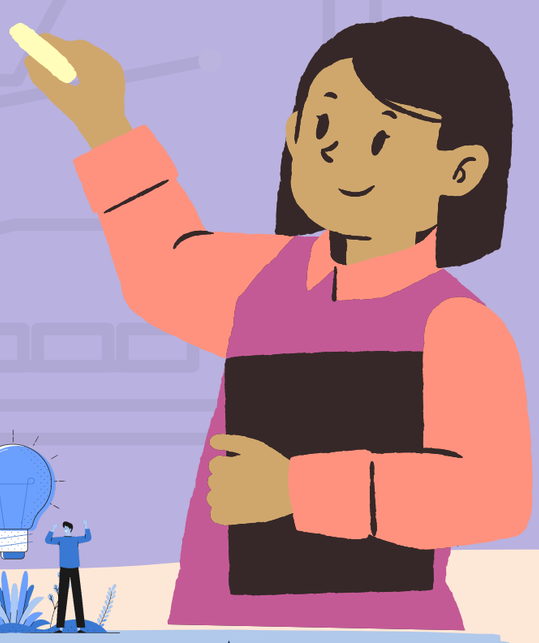
TECHNOLOGY INFORMATION SYSTEM & 4.0TH INDUSTRIAL REVOLUTION

by Ms Sarah Khadijah Taylor



The industrial Talk 2 was held on 2nd Nov 2021.The speaker is someone who work at Cybersecurity Malaysia and has many achievements. This talk focuses more towards security side and 4.0 Industrial exposure

INTRODUCTION

In recent decades, manufacturing sector has seen rapid evolution in all aspects. From mass production that use intensive labour force change to robotics to increase efficiency at the same time require less time to maximise profit. This technology reveal its light and many business owner take this opportunity to increase their profits

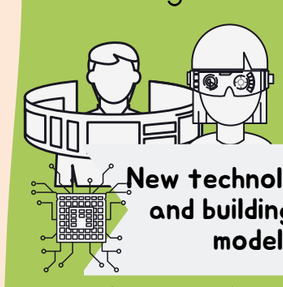
3 Factors that impact the future of manufacturing in Malaysia

Global value chains and geographies of production continuing to shift

China and others countries are relocating production to ASEAN. This will be a great opportunity for the country to develop and boost their transformation toward more technological country

Quality of labour and higher productivity, but not low labour cost

This will be the new source of competitive advantage for Malaysia. Malaysia have to improve the high-skilled of the labour although our labour productivity has grown at 3-5% over last few years



New technologies are distrupting and building technology-based model of production

Application of technologies to improve the efficiency and product quality is becoming new normal. This require developing countries to discover and invest heavily on Research & Development (R&D) of technology to remain competitive

CyberSecurity Malaysia Services

CyberCSI

Digital forensic services where cybersecurity Malaysia assist the enforcement to collect data from crime scenes & they gather the data in the lab & analyse data based on the case objective then they present the result

MyCERT

Malaysia computer emergency response team, every country have their own CERT team such as Japan,United State and Autralia to manage incoming malware cases, detect & share information with other countries

CyberSAFE

provide awareness to students, SMEs (Small Medium Enterprise) or private sectors on cybersecurity matters

CyberGuru

professional training services where they offered training certification to the Malaysian

ADDRESSING ISSUES & CHALLENGES

ATTRACT

Attract stackholder to 4.0 industry technologies & processes to further increase Malaysia as preffered manufacturing location

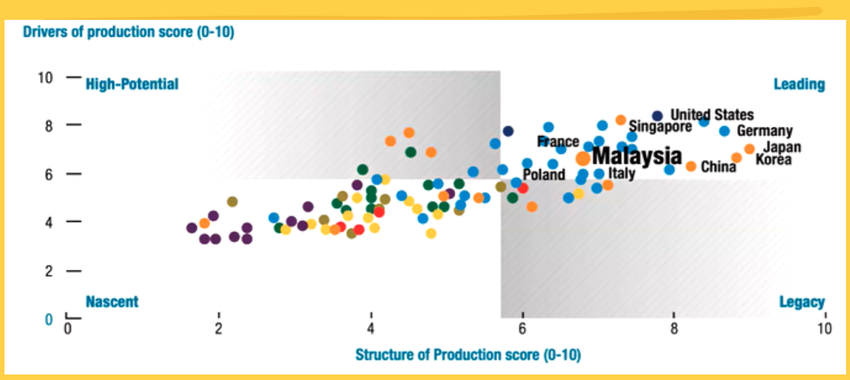
CREATE

Create ecosystem that can adopt to Industry 4.0 and align existing and future development initiatives

TRANSFORM

Transform Malaysia's industry capabilities in both hollistic and accelerated manner

Malaysia's Readiness for IR4.0



- Malaysia is in the leading quadrant, position ourself as a leader quadrant. We have a strong current production base & we are well-positioned according to the report. There's a need to make use of our current position
- In Asia, Malaysia only lags behind the Asian Tigers (Japan, Korea, China, Singapore)

TECHNOLOGIES ADVANCEMENT & CONVERGENCE

- ✦ Big Data Analytics
- ✦ Additive Manufacturing
- ✦ Augmented Reality
- ✦ Artificial Intelligence
- ✦ Advanced Materials
- ✦ Cybersecurity
- ✦ System Integration
- ✦ Cloud Computing
- ✦ Simulation
- ✦ Autonomous Robots
- ✦ Internet of Things (IoT)

REFLECTION

4.0th Industrial Revolution (IR4.0) has resulted in the heightened importance of cybersecurity, not only for the safety and well-being of ordinary people but also national security, public health and also key to the survival of the economy. Various gov departments and organizations play a part in maintaining said security

Not only that, IR4.0 is crucial for our nation's growth and development, its contributions run the gamut from industry to quality of life, innovation and commerce. That is why Malaysia has developed detailed plans to excel in this increasingly pivotal field

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MUHAMMAD HASAN BIN CHE ABDULLAH (A21EC0077)

MUHAMMAD IQMAL BIN SIS (A21EC0080)

NADIA SYAFIQAH BINTI ZULKIPLI A21EC0098

ALIYA ZARENA BINTI ZAINULANUAR A21EC0013