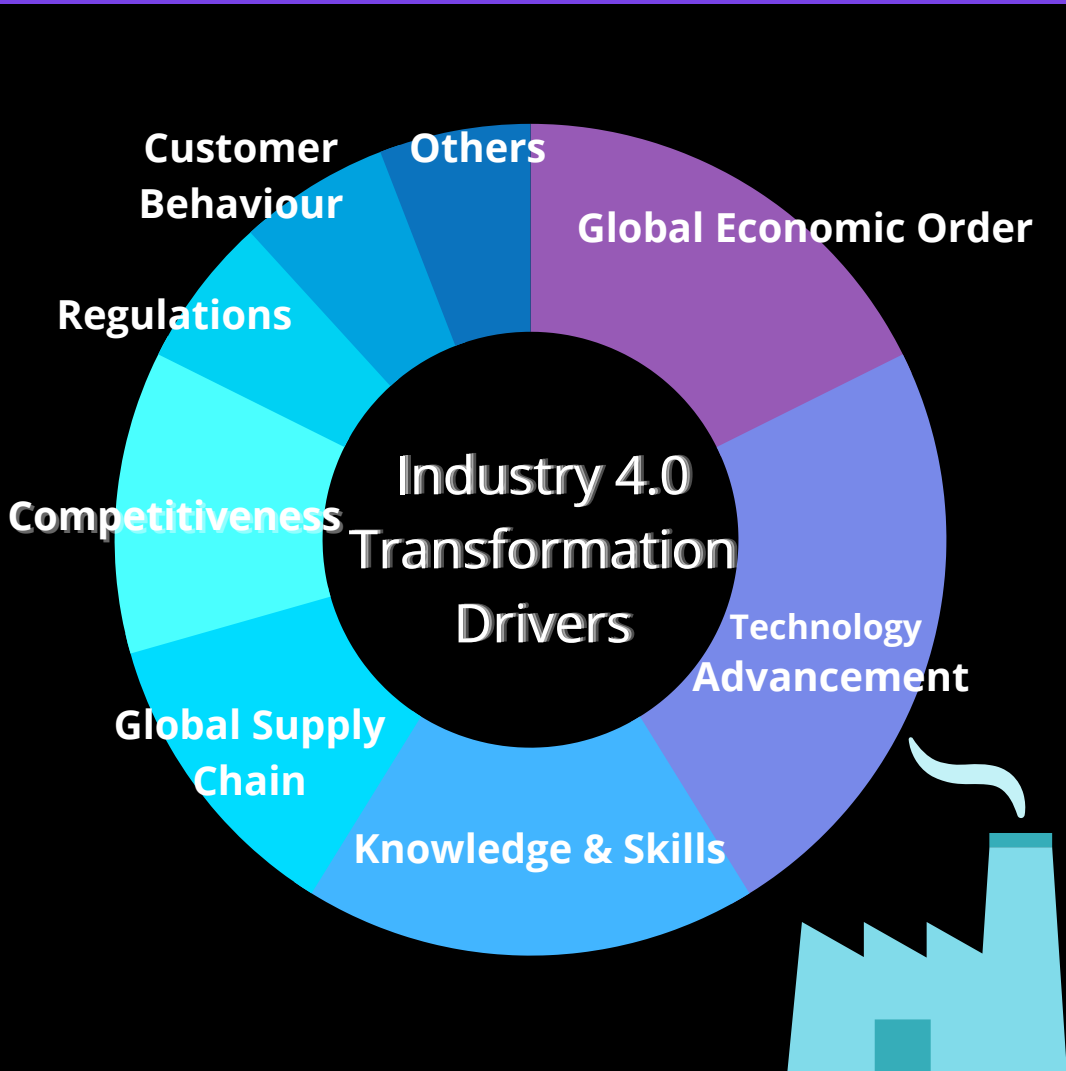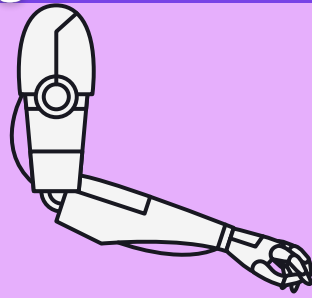# CYBERSECURITY

Executive Summary

- IR 4.0 enable today's technology use existing data as well as data sources to enhanced efficiency on many levels and revolutionize existing manufacturing processess.
- Cybersecurity is part of IR 4.0 which plays pivotal role on todays technology : to defend computer system, networks, systems, servers from malicious attack.

Introduction

This poster is based on the Industrial Talk 2 whom the speaker is Miss Sarah Khadijah Taylor(Strategic & Project Manager,Digital Forensics Department in CyberSecurity Malaysia) In the talk,it includes the efforts that have been done by Malaysia in the IR4.0 where the contents are based on Agency under Ministry of Communication and Multimedia

Aim: securing the nation's cyber space

Industry 4.0 Transformation Drivers

- Others
- Global Economic Order
- Customer Behaviour
- Regulations
- Competitiveness
- Technology Advancement
- Global Supply Chain
- Knowledge & Skills

Enabling technologies

There're a lot of sectors of technologies out there which enable current technology advancement & convergence. AI,Big Data analytics,Augmented Reality,Additive Manufacturing,Cybersecurity,Simulation, System Integration,Advanced Materials,Autonomous Robots,Cloud computing ,IoT play very significant roles & they act as the drivers & infuse with each other in this IR industry.
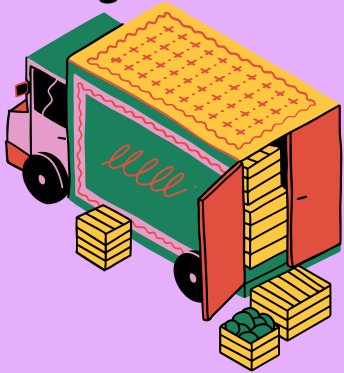
Malaysia Readiness for IR4.0

MY has positioned themselves in the leading way along with the other global leaders countries whereby we are doing well for our future preparation in the readiness for IR4.0.

Current issues and challenges

DEMAND

Malaysia still lack of awareness on the need of IR4.0 in business opportunity & model. The consumer now becoming more demanding hence local product needs to level up .Each ministries has their own agendas hence they need to synchronise 1 centre for the governance IR4.0 & work on the upscaling of STEM sectors.

SUPPLY

Cybersecurity Malaysia

People
- Upskilling
- Certification and job-attachment program
- Awareness program

Process
- Develop process method,SOP and guideliness

Technology
- Product development & testing
- Pilot project
- Cammuka (software to detect suspect face)

Digital Forensics

- Identification
- Collection
- Analysis
- Presentation

Way Forward

1. UPSKILLING & RESKILLING
2. INCLUSIVE INVOLVEMENT OF SMES
3. SIGNIFICANT EVOLUTION IN INNOVATION
4. FOCUSED FUNDING SUPPORT
5. GOOD DIGITAL INFRASTRUCTURE

Reflection

From the industrial talk, we think Industry IR4.0 in cybersecurity plays a very important roles especially when it act as the front-end to defend our country from cyber attack & in this era where technology is ever changing and evolving,Industry 4.0 enhanced the world with new innovative industrial technologies and create a great driving force for our nation moving towards an cutting-edge technology future. We believe that Malaysia can also be one of the global leader in the fullness of time.

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https://www.mpc.gov.my//industry4wrd/#:~:text=The%20Government%20will%20allocate%20RM,migrate%20to%20Industry%204.0%20technologies.

CyberSecurity Malaysia
https://www.cybersecurity.my/en/index.html

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