

Industrial talk 2

IR4.0: A MALAYSIA PERSPECTIVE

CyberSecurity
MALAYSIA

Industry 4.0 Transformation Drives

IR 4.0 has cause manufacturing sector evolve into rapid evolution. There is some key factor that drives us to transform into Industry 4.0 such as;

- Global Economic Order like China & Indonesia
- Technology advancement like big data and cloud computing,
- Retain legal talent and future force through knowlede and skill,
- the increasing complexity in the supply chain
- the competitiveness such as firms defense domestic market
- Regulation due to demand from market, quality and internationally standardize accepted
- Customer behaviour that needs to be specific and custom made for their needs

Executive Summary

CyberSecurity Malaysia is an agency under the Ministry of Communication and Multimedia the are established with the aim of securing the nation's cyber space through digital forensic services, national security, cyber awareness and cyber training certification.

Introduction

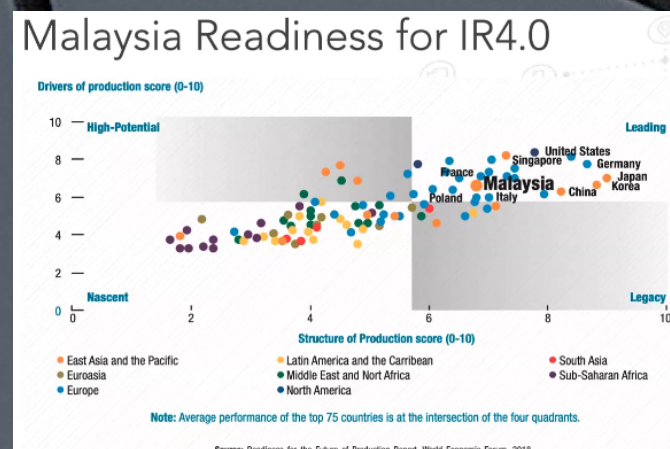
With Industry 4.0 comes “the smart factory.” More than just the latest buzzword, the smart factory is a confluence of trends and technologies that are reshaping the way things are made and revolutionizing the way factories function. As it continues to adopt Industry 4.0, the manufacturing industry becomes an increasingly appealing target for attackers, who have the opportunity to move laterally across a manufacturing network, jumping across IT and OT systems for their malicious activities. Without strong protections in place, bad actors can take advantage of systems for industrial espionage, intellectual property theft, IP leakage, or even production sabotage.

Enabling technologies

Nowdays, there is a lot of technological drivers that drives the digitalisation of the producsion-based industries such as Artificial Intelligence, Big Data, Augmented Realities, Additives manufacturing , IOT and Cloud Computing

The need to embrace IR4.0

- Global value chains and geographies of production are continuing to shift such as trends from China, Dell and Google. Hence, oppurtanies are created and Malaysia need to internet adaption very well such 5G.
- Higher quality labour and productivity but not low labour cost. This means we need to build more high skilles labours



According to World Economic Forum (figures above) , Malaysia is in leading quadrant, hence doing well in readiness for IR4.0

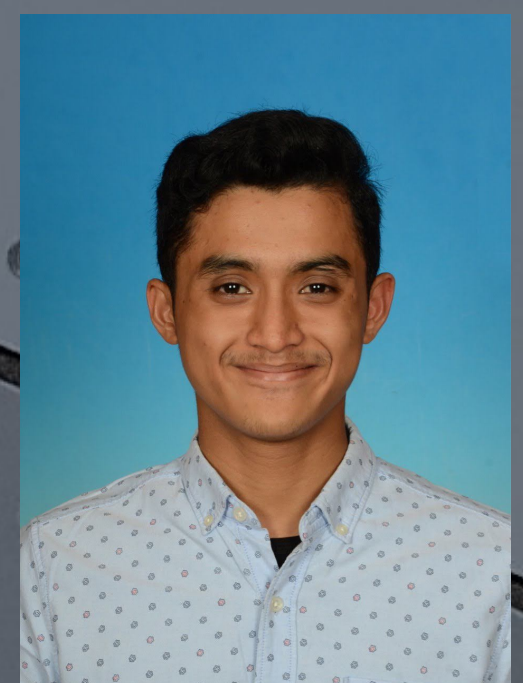
MITI Policies to overcame the issues and challenge of demands and supplies



- A-C-T Policies
- The Framework to move the policies
 - Vision, National Goals, the shift factors, the enables
- Malaysia Moving Forward...
 - A policies that help Malaysia to move forward in terms of upskilling & reskilling, inclusive involvement of SMEs, Significant evolution in innovaiton, focused funding support and good digital infrastucture



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Reflection

Based on Industrial Talk 2 by Ms. Sarah Khadijah Taylor, many things can be learn from the materials that been shared by her. First of all, when we moving toward IR4.0, everything will be digitalized. Hence, CyberSecurity is a very important key when surviving in IR4.0 because everything is in digital format, there are very open to attack form malware and malicious cyber activity. Second of all, we have to adapt ourselves by adopting to internet 5G in order to for us succed into IR4.0 as fast as big group like China, Dell and Google. From the thing we can learn from this industrial talk, we can use the knowledge of Cyberwar and applied in help human life in every aspect of life using technologies like IOT, Cloud Computing, Artificial Inteligence for forensic and face recognition as well handling big data.