

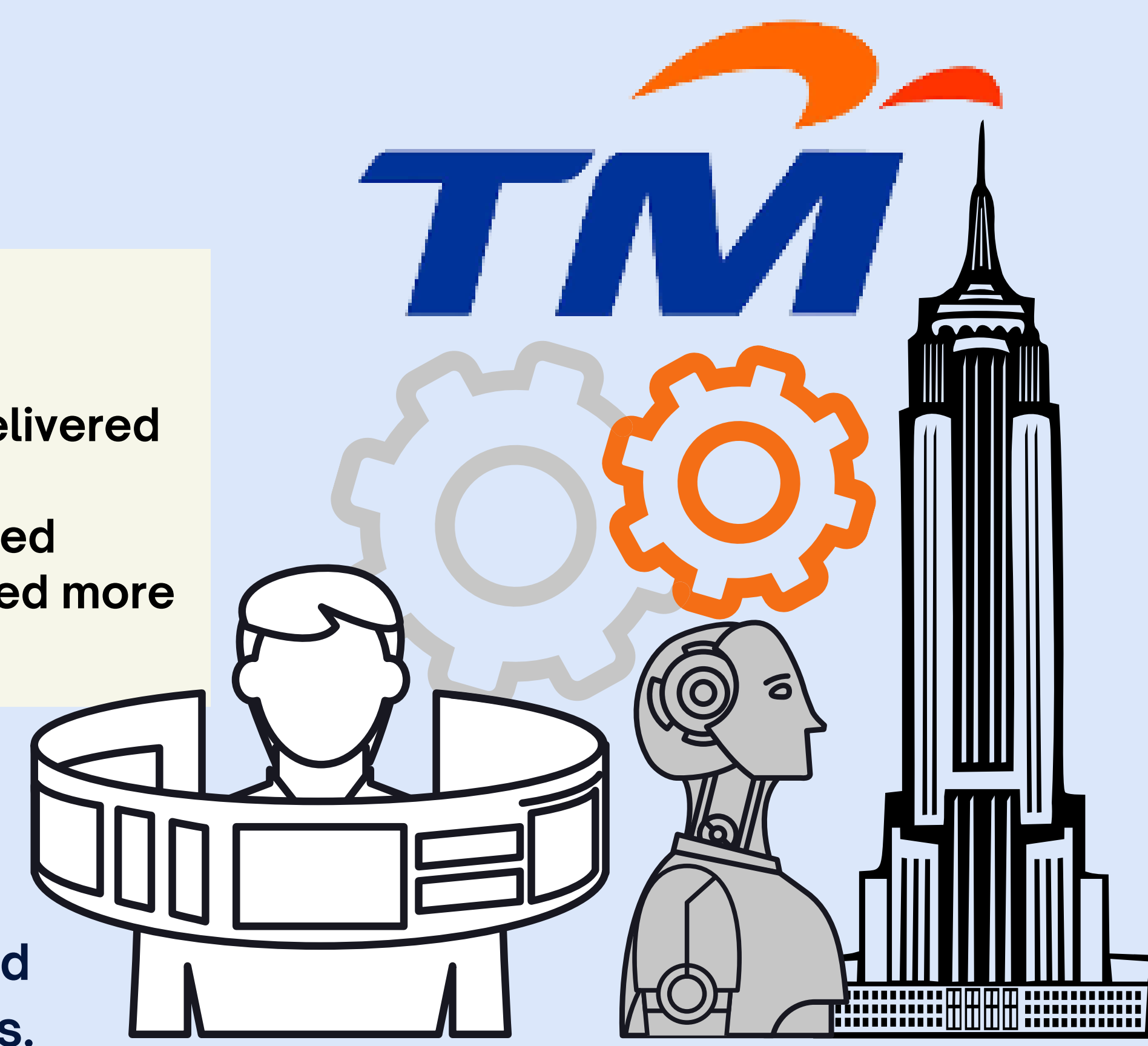
4.0 INDUSTRIAL REVOLUTION

Executive Summary

This poster is about the industrial talk of Technology Information System & Industrial Revolution 4.0 that has been delivered by the Head of Product Design of TM Commercial, Mr. Nazri Edham on 1st November 2021. During the talk, Mr. Nazri emphasized the link between TM and 4IR, the 5G technology and the Digital Transformation. Mr. Nazri has explained about what TM does to support 4IR and the adoption area with this Industry Revolution 4.0. From the talk, we also gained more information about the benefits of 5G and about the digital transformation in services with their outcomes.

About TM

Telekom Malaysia Berhad (TM), is the national connectivity and digital infrastructure provider and Malaysia's leading integrated telco that offering a comprehensive suite of communication services and solutions in fixed (telephony and broadband), mobility, content, WiFi, Cloud, Data Centre, cybersecurity, IoT and smart services.



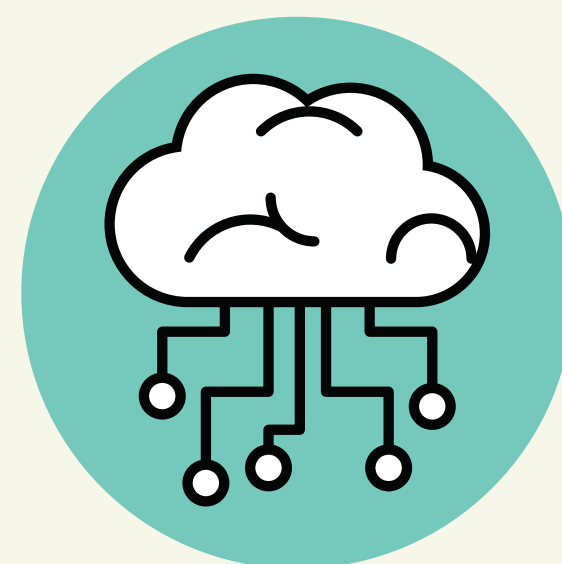
WHAT TM DO TO SUPPORT 4IR ?

Data Centers

Internet of Things

Cloud Services

ADOPTION AREA WITH 4IR



- Cloud/digital
 - servers in the Internet which can store files in the data centers but not in the devices or hardware
 - exp: google drive, one drive, office 365,...

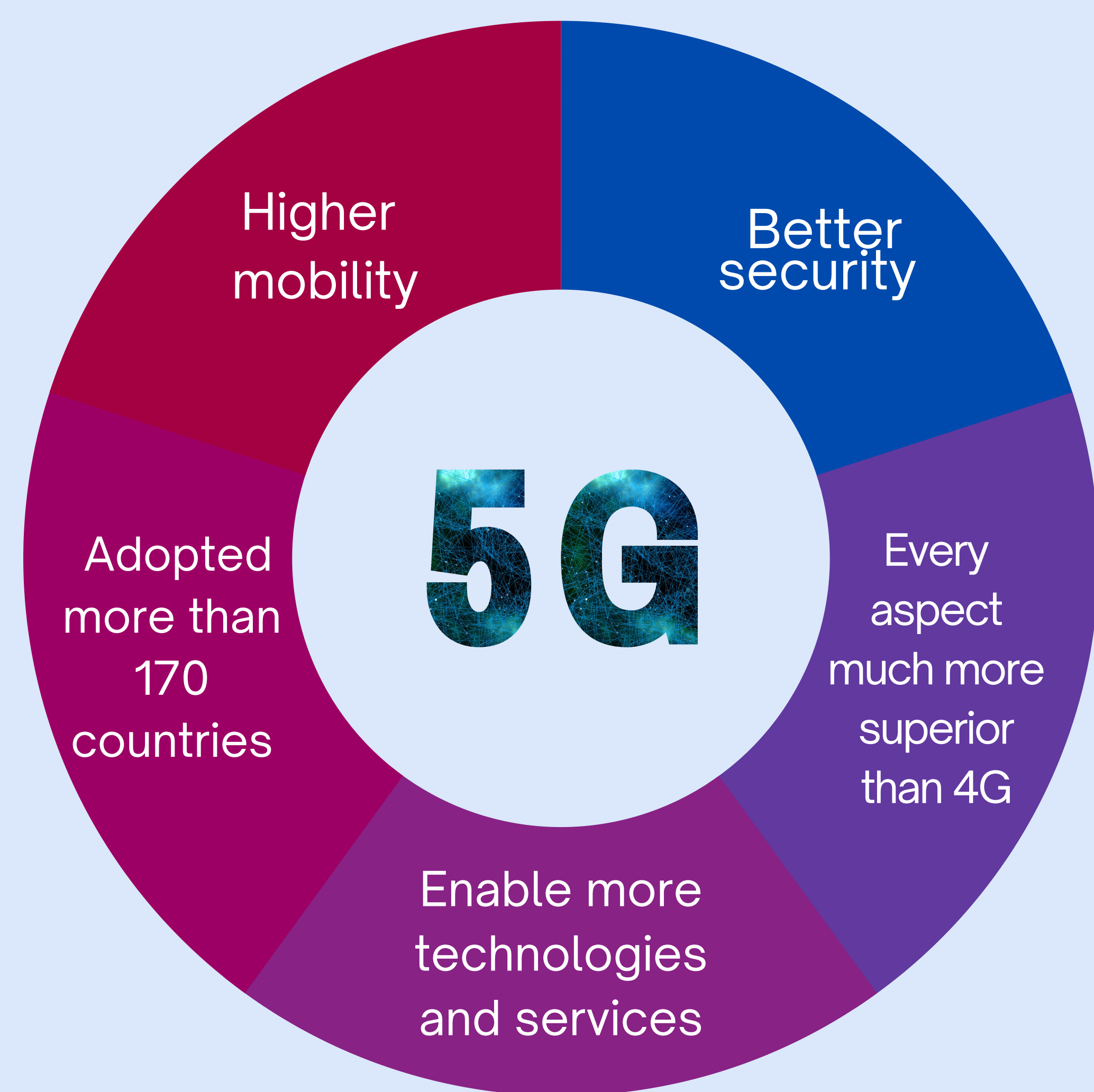
• Smart cities

- The urban / cities area that use information and communication technologies for system and services to improve efficiency and quality of life in the area.



• 5G

- Fifth generation technology standard for broadband cellular networks, which cellular phone companies began deploying worldwide.



5G opens up a wide range of use cases such as

- eMBB (enhanced Mobile Broadband)
- URLLC (Ultra Reliable Low Latency Communications)
- mMTC (massive Machine Type Communications)

5G use cases focus on job in Creation, Talent Development, Safety and Security.

Exp :

- Smart retail analytics
- Smart water system
- Smart tourism app
- Smart parking
- UNESCO 8k virtual reality
- Smart safety and security



DIGITAL TRANSFORMATION

Digitalization of Services

- IT infrastructure digitally
 - AWS
- Enterprise/consumer apps digitally
 - DROPBOX
- Television services digitally
 - NETFLIX
- Telco services digitally
 - SKYPE
- Payment services digitally
 - PAYPAL
- Taxi services digitally
 - GRAB
- Gaming digitally
 - NINTENDO
- Music digitally
 - SPOTIFY
- Education digitally
- Others innovation
 - AIRBNB

OUTCOME OF DIGITAL TRANSFORMATION

- Innovative business model
- Competitiveness
- Customer experience
- Efficiency

REFLECTION

We are now able to comprehend the importance of 4IR because of the abundance information gained from the industrial talk.

Due to the expansion of 4IR we could empower and create values for businesses through borderless digital possibilities, connecting Malaysians everywhere inclusively, protecting the nation's sovereignty and critical infrastructure from the intrusion or disaster and much more.

This will greatly elevate the efficiency of a country thus helping the human race to evolve in a much coherent manner.



REFERENCES

- <https://www.twi-global.com/technical-knowledge/faqs/what-is-a-smart-city>
- https://www.tm.com.my/corporate/Pages/corporate_profile.html
- <https://en.wikipedia.org/wiki/5G>

SPECIAL RECOGNITION TO : Telekom Malaysia (TM) & Group Members



NurImmal Hayati
A21EC0111



Lu Qi Yan
A21EC0049



Muhammad Izat
A21EC0082



Aisyah Nadzri
A21EC0011



Thuvaaritha
A21EC0137

