

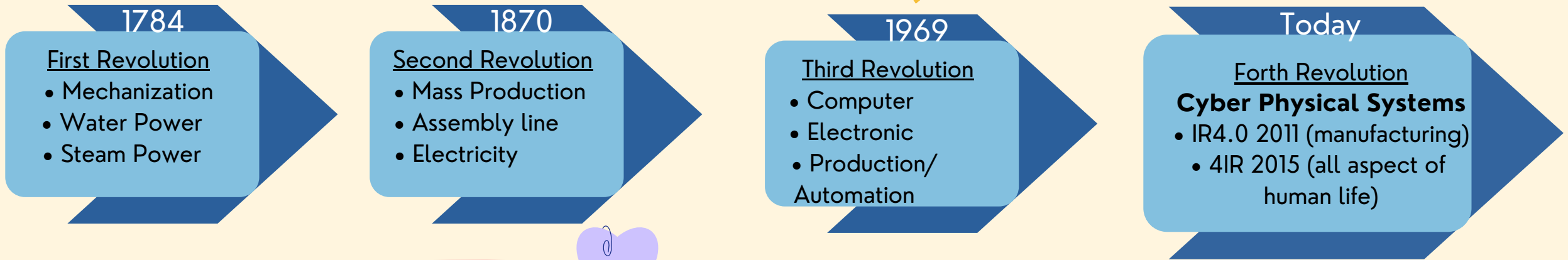
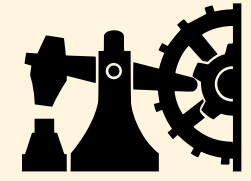
The industrial talk was held on 1st November 2021. This talk was about Industrial Revolution 4.0 and a little bit about TM and how they underwent a particular journey. The speaker, Mr. Nazri Edham, Head of Product Design, TM Commercial, mentioned that everybody in the ecosystem plays a role in enabling this 4th Industrial Revolution.



TECHNOLOGY INFORMATION SYSTEM & 4.0TH INDUSTRIAL REVOLUTION

By Mr. Nazri Edham (Telekom Malaysia)

INTRODUCTION



TELEKOM MALAYSIA JOURNEY TO SUPPORT 4IR

★ Data Centres

Expand data centre space based on the demand by its client both from public and private sectors. Data centres are the building blocks for a robust cloud strategy and a successful digital transformation

★ Cloud Services

TM ONE CLOUD α is the only Malaysia-owned aggregator and provider of end-to-end cloud infrastructure and services to enterprises and government institutions. With Cloud α, your business will be able to fulfil its cloud strategy swiftly and securely

★ Internet of Things

System of physical things embedded with sensors, software, electronics and connectivity to allow it to perform better exchanging information with other connected devices, the operator or the manufacturer



Smart Water Integrated Management System (SWIMS)

The SWIMS is a system that provides total visibility for the water industry, reduces water wastage and increase water revenue

CONNECTIVITY

► Low power technology such as Narrowband Internet of Things (NB-IoT) & low-power wide-area network (LoRaWAN)

SENSORS

► Near real-time pipeline monitoring water quality, water level sensing and measuring the chemical composition in the water after treatment and wastewater

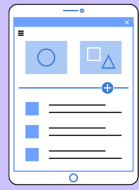
SMART METER

► Smart meter reading and control for consumer, commercial, district meter area and plant

1

OUTCOME OF THE TRANSFORMATION

- Innovative business model
- Differentiated value propositions to beat competitors
- Enhance customer experience
- Efficient operations



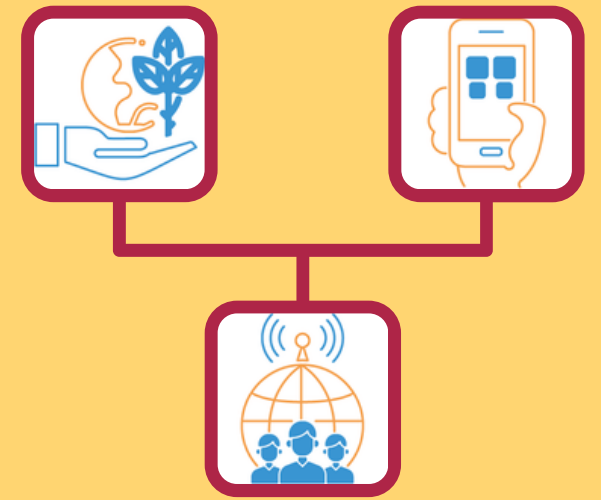
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SMART CITY

- A smart city at its core intuitively adapts and responds to the needs of its citizen (citizens' problems, sustainability, persona) through technological enablers
- There are several major characteristics are used to determine a city's smartness such as a technology-based infrastructure, environmental initiatives, a high functioning public transportation system and a confident sense of urban planning

5



SMART SERVICES

- **Single Focus**
 - Addressing major pain points, introduce pilot projects, extend/improve existing services
- **In Clusters**
 - 'Vertical' digitalisation & collaboration through multiple party, public-private partnerships
- **City Wide**
 - Involves commitment from both local government & private enterprises, a dedicated blueprint for smart city development, and cross subsidy, combine budgets



REFLECTION



The 4.0th Industrial Revolution has the potential to raise global income levels and improve the quality of life for populations around the world. To date, those who have gained the most from it have been consumers able to afford and access the digital world. Technology has made possible new products and services that increase the efficiency and pleasure of our personal lives

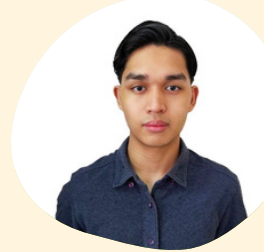
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