



The 4th Industrial Revolution

Telekom Malaysia background

TM sets to enable Digital Malaysia by offering comprehensive suite of communication services and solutions in fixed (telephony and broadband), mobility, content, WiFi, Cloud, Data Centre, cybersecurity, IoT and smart services. TM is driven by stakeholders value creation in highly competitive environments and places emphasis on delivering an enhanced customer service quality improvement and innovations, whilst focusing on increased operational efficiency and productivity.



INDUSTRY 4.0& 4TH INDUSTRY REVOLUTION

- The First Industrial (1784) - Marked by mechanization powered by water and steam.
- The Second Industrial(1870) - Introduce mass production through assembly lines and electricity.
- The Third Industrial(1969) - The use of computer, electronic and automation in production system.
- The Fourth Industrial - centers on cyber-physical system that integrate the physical and digital worlds.

This new era is characterised by cutting-edge technologies such as IoT, AI, advanced robotic, AR, cloud computing and cybersecurity. These advancements are not confined to manufacturing but extend to all aspects of human life and work.



4IR SOLUTIONS & BENEFITS

SOLUTIONS- MANAGING LOGISTIC PERFORMANCE

4IR digital solutions help businesses improve logistics by using real-time tracking, fleet management, and data analytics. These technologies allow companies to manage deliveries better, reduce delays, and optimize resources. With smart tracking systems, businesses can monitor their operations more efficiently and make quick decisions to improve performance. This helps logistics companies work faster, reduce errors, and provide better services to customers.

BENEFITS-DRIVING PRODUCTION VOLUME&SPEED UP SALES

4IR technology enhances manufacturing and sales by providing detailed product performance analysis, sales forecasting, and market coverage insights. Businesses can track revenue, profitability, and product demand in different regions, allowing for better decision-making. By analyzing demographic data, companies can identify new market opportunities and optimize distribution channels. This leads to increased sales, reduced operational costs, and improved efficiency, helping businesses stay competitive and grow in a rapidly changing market.



TM DATA CENTRE, ISKANDAR PUTRI, JOHOR, MALAYSIA

ADAPTATION AREA

CLOUD /DIGITAL

Cloud technology is the foundation for innovation, cost efficiency, and enhanced public service delivery. TM One is committed to supporting the Government's digital transformation through Cloud α, a secure and integrated cloud solution designed to complement existing infrastructure and accelerate Malaysia's MyDIGITAL aspirations.

With a multi-cloud management platform, Cloud α seamlessly integrates with the Government's cloud ecosystem and public cloud services. TM One also offers Cloud Professional Services, covering cloud design, migration, and consulting to ensure a smooth transition.

As a leading cloud and data center provider, TM One operates seven data centers, including four Uptime Institute-certified Tier III facilities, delivering world-class cloud services, AI, and advanced cybersecurity.

SMART CITY

TM One is revolutionizing urban living with its Smart City solutions, designed to create safer, more sustainable, and highly connected communities. By leveraging pre-integrated and tested technologies, cities can enhance transparency, efficiency, and convenience while fostering greater citizen and business participation. From intelligent infrastructure to data-driven decision-making, TM One empowers city planners to modernize urban spaces, making them more liveable, innovative, and future-ready.

5G

Telekom Malaysia (TM) is driving Industrial Revolution 4.0 with 5G's ultra-fast speeds, low latency, and massive connectivity, enabling AI-driven automation, IoT-powered industries, and real-time data analytics. With 5G's near-instant communication, businesses can optimize smart manufacturing, robotics, remote monitoring, and predictive maintenance for greater efficiency and productivity.

Backed by TM's extensive fiber infrastructure, cloud integration, and advanced cybersecurity, 5G delivers seamless machine-to-machine communication, unlocking intelligent automation, digital twin technology, and next-gen industrial applications. As Malaysia moves toward a fully digital economy, TM's 5G-powered solutions will reshape industries and drive national innovation.

Reflection

Through this industry talk, I am gain new information about how Telekom Malaysia are prepare and execute their plan for the Fourth Industry Revolutions. Their plans are progress for government, stake holders and consumers to enhance productivity by maximize their's technology expertise and facilities. Other than that, effect from 4IR many job creation and career development programs organized by Telekom Malaysia. Next, we need to ready to adapt new technologis beacuse it keep evolving in 4IR and it offer many benefits in our life in terms of education, health, banking, security and others.

The industry talk gave me very insightful experience as it highlighted the crucial role that TM plays in evolving the 4th industrial revolution for this country. TM's role in building this infrastructure, along with their cloud and cybersecurity solutions, makes digital transformation more accessible for businesses and public services. It was fascinating to see how these innovations increase efficiency and drive our economic growth. Overall, the talk made me realize how fast the world is evolving with IR 4.0 and how companies must adapt or risk falling behind. It was a great reminder that technology isn't just changing industries but it's changing the way we work, live, and connect with one another.

This industry talk about TM highlights a vision of empowerment through inovation and holistic solutions. They emphasize the significance of embracing the 4th Industrial Revolution, navigating transformation challenges and fostering collaboration across industries to develop progress. Together, they inspire a shared commitment to shaping the future by integrating technology, business strategies an social values for the better of communities and industries.

The industry talk gave me a better understanding of how Telekom Malaysia is helping businesses and society adapt to the 4th Industrial Revolution. I learned that technology improves productivity, creates job opportunities, and makes industries like education, healthcare, and banking more efficient. TM's work in cloud computing and cybersecurity helps businesses grow and stay competitive. The talk also showed me how fast technology is evolving and why it's important to keep up with new innovations. It made me realize that embracing technology is key to success in the future.

