

INDUSTRIAL 4.0:PAST, PRESENT AND FUTURE

_ Digital Malaysia ~

THE FIRST INDUSTRIAL REVOLUTION MAINLY OCCURRED FROM

THE PERIOD OF 1760 TO AROUND 1840. NOTABLE DEVELOPMENTS DURING THAT ERA INCLUDES THE TEXTILE INDUSTRY, STEAM POWER, IRON MAKING, INVENTION OF MACHINE TOOLS ETC.

THE SECOND INDUSTRIAL REVOLUTION IS USUALLY KNOWN AS

THE TECHNOLOGICAL REVOLUTION. IT MAINLY OCCURRED FROM THE LATE 19TH CENTURY TO THE BEGINNING OF THE 20TH CENTURY, NEW TECHNOLOGICAL

SYSTEMS LIKE TELEPHONES, ELECTRICAL POWER, STEAM TURBINE ETC WERE INTRODUCED

THE THIRD INDUSTRIAL REVOLUTION MAINLY STARTED IN THE

MIDDLE OF 20TH CENTURY. IT INTRODUCED US TO INVENTIONS LIKE

SEMICONDUCTORS, MAINFRAME COMPUTERS, PERSONAL COMPUTERS, INTERNET AND SO ON



FUTURE OF WORK



ROBOTS:



and systems using internet.

availability of the 10T mainly focuses on the computer system resources. physical objects. It makes For example, data storage sure the physical objects can and computer power connect and exchange data with various devices



augmented

AUGMENTED REALITY (AR) IS THE VIRTUAL VERSION OF THE REAL PHYSICAL WORLD THAT USES DIFFERENT VISUAL, SENSORY, SOUND ELEMENTS

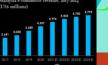
MODERN TECHNOLOGY.



EVELOPED SYSTEMS CAN BE USED IN LABS FOR CALCULATIONS. VR CAN BE USED TO LEARN ABOUT DIFFERENT THINGS IN A VIRTUAL

TRADE ONLINE.

LIKES OF LAZADA. AMAZON AND MANY OTHER ONLINE TRADING PLATFORMS, PEOPLE CAN NOW



SMART HOME, INDUSTRIAL ANALYTICS, ARTIFICIAL INTELLIGENCE, VIRTUAL REALITY, VIDEO CONSUMPTION WEARABLES, MOBILE PAYMENTS, CONNECTED CAR, DRONES, 3D PRINTING etc. ARE THE CONTENTS OF FUTURE.

According to the survey made by Malaysian technology companies 2020, the number of IoT companies focusing on the levelopment of IR 4.0 in Malaysia is the most. Besides, other companies related to Cybersecurity, Simulation, System ntegration, Advanced Material, Artificial Intelligence, Big data analytics, Cloud Computing, Autonomous Robots, Augmented reality, Additive manufacturing etc are also working for the development of IR4.0 in Malaysia. The digital infrastructure, connectivity and digital solutions of Telekom industry of Malaysia will fast forward Malaysian Industrial Revolution 4.0 and beyond. They are providing cloud services, data centres and oT for the development of IR 4.0 in Malaysia.

LOCATED IN JOHOR IS TIER 3 DATA CENTRE. TO SUPPORT IR 4.0 IN JOHOR TELEKOM MALAYSIA IS BUILDING THEIR CORE NETWORK OR ASSET. JOHOR INTERNATIONAL INTERNET INTERNATIONAL INTERNET
GATEWAY IS LOCATED IN ISKANDAR
PUTER! WHICH WILL PLAY A GREAT
ROLE FOR THE DEVELOPMENT OF IR
4.0 IN JOHOR.
TELEKOM MALAYSIA IS
COLLABORATING WITH DEVELOPERS
FOR THE DEVELOPMENT OF 'SMART
HOMES' FOR THEIR COMMUNITY.

ISKANDAR PUTERI DATA CENTRE

NOW TM IS FOCUSING ON 5G SMART CITY SOLUTIONS.

IT IS A PROCESS OF TO KNOW ABOUT DIFFERENT HIDDEN

ON. IT IS USED TO GET INSIGHTS FROM TODAY'S HUGE DATA COLLECTIONS, IT CAN BE ANY FORM OF DATA LIKE STRUCTURED, SEMI STRUCTURED AND UNSTRUCTURED.



