

Sustainable Development Strategy 2030 10 Pillars

- 1.Economic Development
 - 2.Energy
 - 3. Knowledge & Innovation and Scientific Research
 - 4. Transparency and Efficiency of Government Institutions
 - 5. Social Justice
 - 6.Health
 - 7. Education and Training
 - 8.Culture
 - 9.Environment
 - 10. Urban Development

formulated from the spirit of the 2015 SDGs [17 goals]

THE 17 SDGs

THE GLOBAL GOALS For Sustainable Development 17 PARTHERSHIPS FOR THE BOALS #GLOBALGOALS

ECONOMIC DEVELOPMENT and 2030 AGENDA

ECONOMIC GROWTH DEPENDS ON:

 1-RATE OF CAPITAL ACCUMULATION
 2-RATE OF PRODUCTIVITY GROWTH
 the long-run growth cannot be sustained by capital accumulation alone; productivity can be the only source of long-term growth.
 ALL ECONOMIC INDUSTRIES as listed in ISIC4 [International Standard Industrial Classification of All Economic Activities, revision 4 of the United Nations]; and this constitutes:

TOP 7 TRENDS FOR DIGITAL TRANSFORMATION IN 2018

- 1. THE IOT
- 2. ANALYTICS
- 3. EDGE COMPUTING
- 4. 5G
- 5. BLOCKCHAIN
- 6. Al [goes to mainstream]
- 7. VR

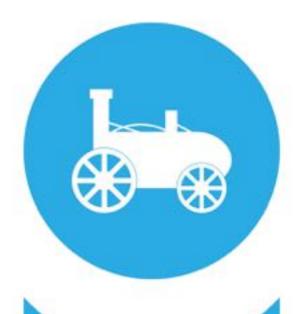


A "Digital Economy" represents the application of a digital to all sectors and industries including manufacturing. (Industry 4.0 / Internet +)

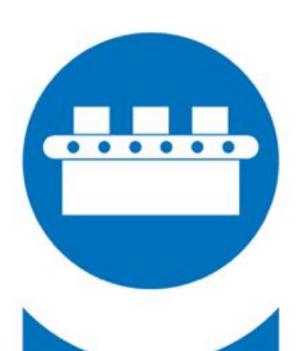
1st revolution

2nd revolution

3rd revolution



Mechanization, steam and water power

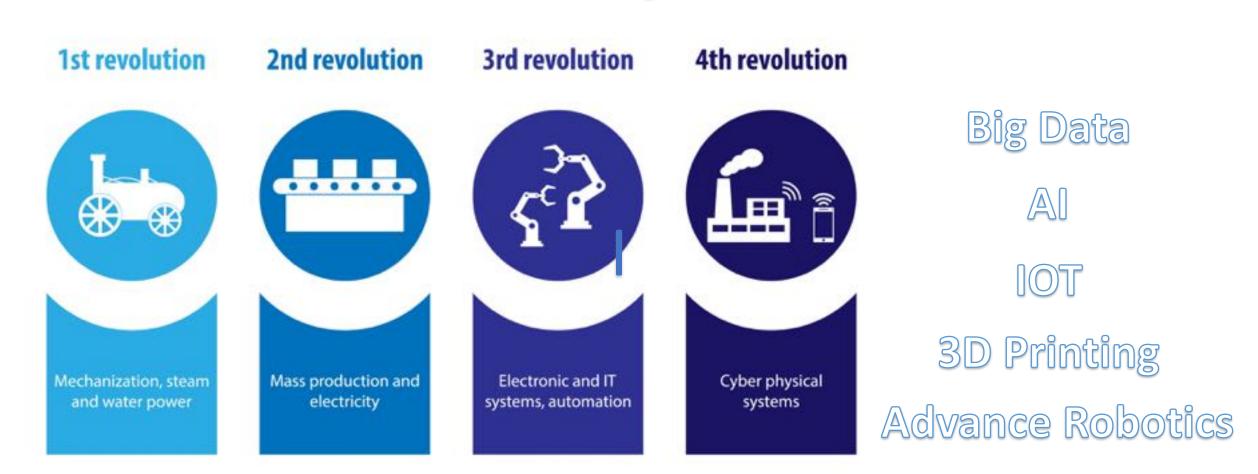


Mass production and electricity



Electronic and IT systems, automation

Industry 4.0



Intelligent flexible and distributed production

4th revolution



Digital Industrialisation includes use of digital technologies with physical infrastructure

Artificial Intelligence

is recently named as a new factor of production along with capital labor

THE AI EVOLUTION & REVOLUTION

• 1 – INTERNET AI

• 2 – BUSINESS AI [already around us]

3 – PERCEPTION AI [blurring between physical and digital worlds]

• 4 – AUTONOMOUS AI [will have the deepest impact on our lives]

AI INDUCED CRISIS and the NEED FOR A NEW SOCIAL CONTRACT

BUILDING OUR SOCIETY IN THE AGE OF AI WILL REQUIRE SUBSTANCIAL CHANGES TO OUR ECONOMY BUT ALSO A SHIFT IN CULTURE AND VALUES.

THREE MOST POPULAR SUGGESTIONS FOR ADAPTING TO THE AI ECONOMY:

- # RETRAINING WORKERS [SKILLS]
- # REDUCING WORK HOURS [TIME]
- # REDISTRIBUTING INCOME [COMPENSATION]

THE 4 Cs

- CRITICAL THINKING
- 2. COMMUNICATION
- 3. COLLABORATION
- 4. CREATIVITY



Growing

- 1 Analytical thinking and innovation
- 2 Active learning and learning strategies
- 3 Creativity, originality and initiative
- Technology design and programming
- 5 Critical thinking and analysis
- 6 Complex problem-solving
- 7 Leadership and social influence
- 8 Emotional intelligence
- Reasoning, problem-solving and ideation
- 10 Systems analysis and evaluation



Declining

- Manual dexterity, endurance and precision
- 2 Memory, verbal, auditory and spatial abilities
- 3 Management of financial, material resources
- 4 Technology installation and maintenance
- 5 Reading, writing, math and active listening
- 6 Management of personnel
- 7 Quality control and safety awareness
- 8 Coordination and time management
- 9 Visual, auditory and speech abilities
- 10 Technology use, monitoring and control



- 1- Building a public digital and data infrastructure
- 2- Building a supportive eco-system around technological and digital start-ups
- **3- Governance of the Digital Economy**

"developing legal and regulatory framework"

4- Confronting Disbenefits (Digital Exclusion/Security / Privacy)



- 1- Policy for national digital industry protection.
- 2- "National Data Centers" so data remains within the country.
- 3- National Internet Giants (Search Engines)
- 4- Robust Digital Infrastructure.
- 5- Training for organisations and government officials to protect their data.
- 6- Polices to avoid e-colonisation.
- 7- Help workers adopt to new forms of work.

THE INTERNET IS CONTROLLED BY:

ICANN [INTERNET CORPORATION for ASSIGNED NAMES & NUMBERS] For setting & managing the Domain Name System [DNS]

IETF [INTERNET ENGINEERING TASK FORCE]
For setting the standards of the internet

THE DATA ON THE INTERNET IS STORED IN " DATA CENTERS " AND EXCHANGED BETWEEN THEM AND THE USERS VIA :

"INTERNET EXCHANGE POINTS" { IXPs }
IXPs like airports for data
تسجيل المواقع في مصر تابع للمجلس الاعلي للجامعات
200 مليون موقع في العالم و50000 في مصر

Emerging economies have opportunities to "leapfrog" dependent on technology adoption and building the talent pool and digital infrastructure.

EGYPTIAN YOUTH IS OUR DRIVER IN THE DIGITAL AGE

GLOBAL SERVICES LOCATION INDEX [SHARED SERVICES & OUTSOURCING :

EGYPT IS RANKED # 14 GLOBAL AND # 1 IN MEA

THE COMPANIES IN THE LEFT HAVE TRANSFERED THEIR ACTIVITIES TO EGYPT WITH A \$4 BILLIONS SALES IN 2018





Thank you