

# AU DIGITAL TRANSFORMATION STRATEGY

## PIDA WEEK 2019, CAIRO

**1. THE DIGITAL AGE**

**2. THE DTS MAIN COMPONENTS**

**3. PIDA – NEW POLICING FOR  
INFRASTRUCTURE**

## It's just not evenly distributed yet'!!

### ☛ **The greatest shift since the dawn of humankind**

- ▶ Technology is taking over every part of our lives;
- ▶ every part of society;
- ▶ every waking moment of every day.
- ▶ Increasingly pervasive data networks and connected devices are causing rapid information flows from the source to the masses – and down the economic ladders
  - ➔ from the developed societies to the poorest.
  - ➔ From biology to energy
  - ➔ to media to politics
  - ➔ to food to transportation,

### ☛ **We are witnessing unprecedented shifts that are redefining our future.**

- ▶ The future is happening faster and faster.
- ▶ Technology is the great leveler, the great unifier, the great creator of new and destroyer of old.

# THE PARADIGM SHIFT



## ➔ DISTRIBUTED CHANGES

## POWER

➔ Transform how we can match people's **"HAVE"** with people's **"WANTS"**

## ➔ 20<sup>TH</sup> CENTURY

- ➔ Industrial economy
- ➔ Passive consumers

## ➔ 21<sup>TH</sup> CENTURY

- ➔ Collaborative economy
- ➔ Creators
- ➔ Collaborators
- ➔ Financiers
- ➔ Producers
- ➔ providers

20<sup>th</sup> Century  
Industrial Economy

**PASSIVE CONSUMERS**



21<sup>st</sup> Century  
Collaborative Economy

**CREATORS**  
**COLLABORATORS**  
**FINANCIERS**  
**PRODUCERS**  
**PROVIDERS**



Economic development

Sustainability

Higher quality of life



Citizen and stakeholder engagement

Predictability

Cost avoidance

New products and services

Competitive advantage

Open data and transparency

Manage risk

Increase productivity

Better citizen service

Innovation



Big data and analytics



Mobility



Social



Cloud

Development Goals:  
A-2063 / SDGs

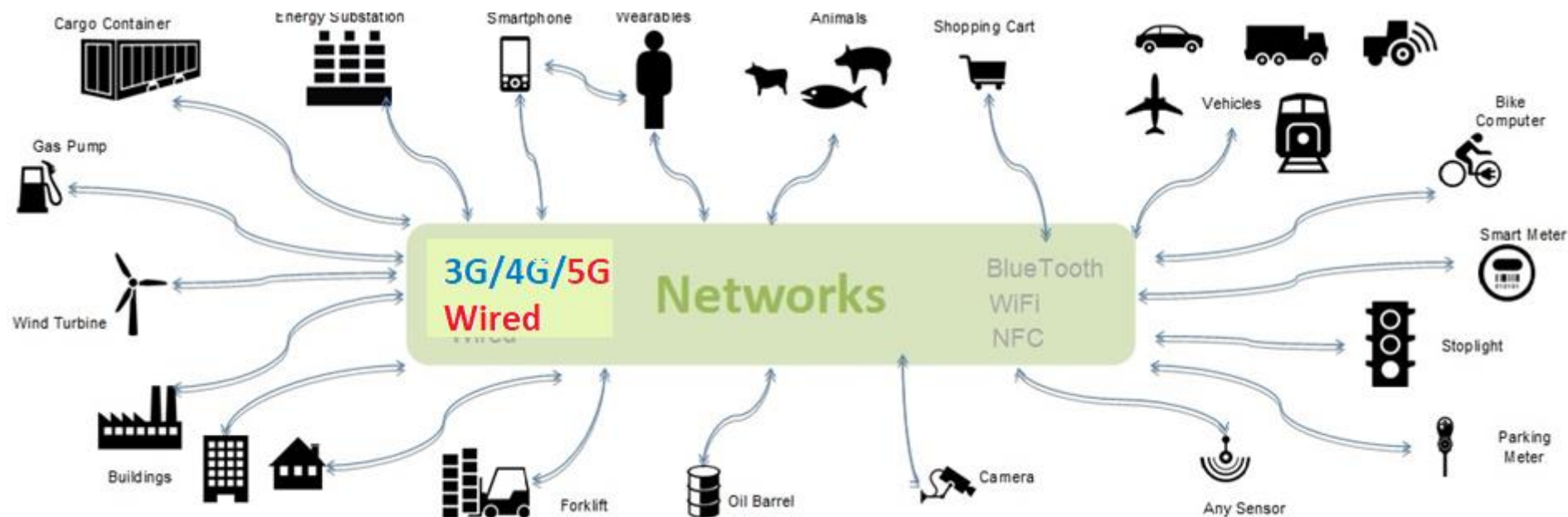
City services

Value generation

Business imperatives

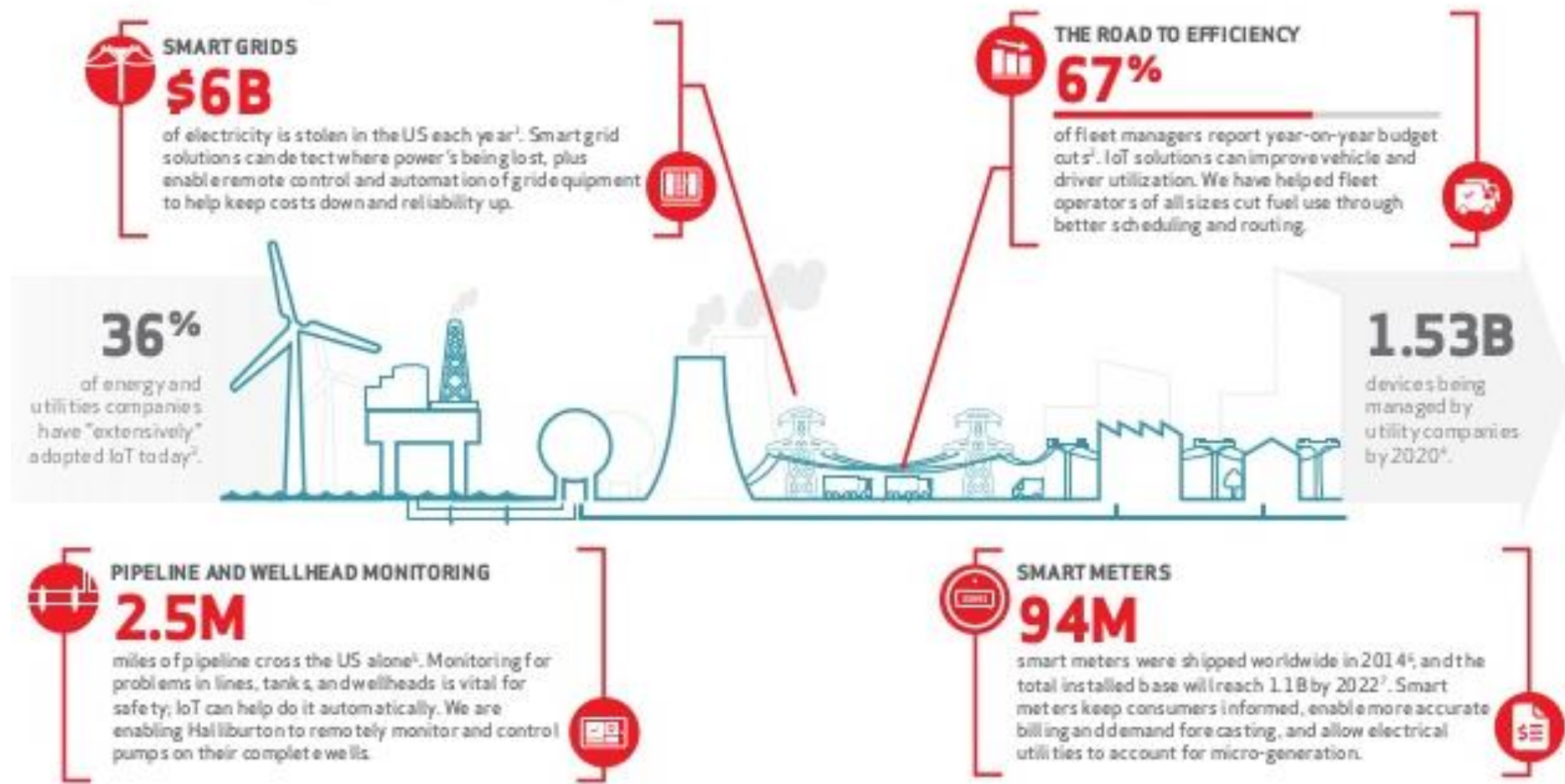
Enabling technologies

# THE RISES OF THE INTERNET OF THINGS (IoT) AND VALUE GENERATING



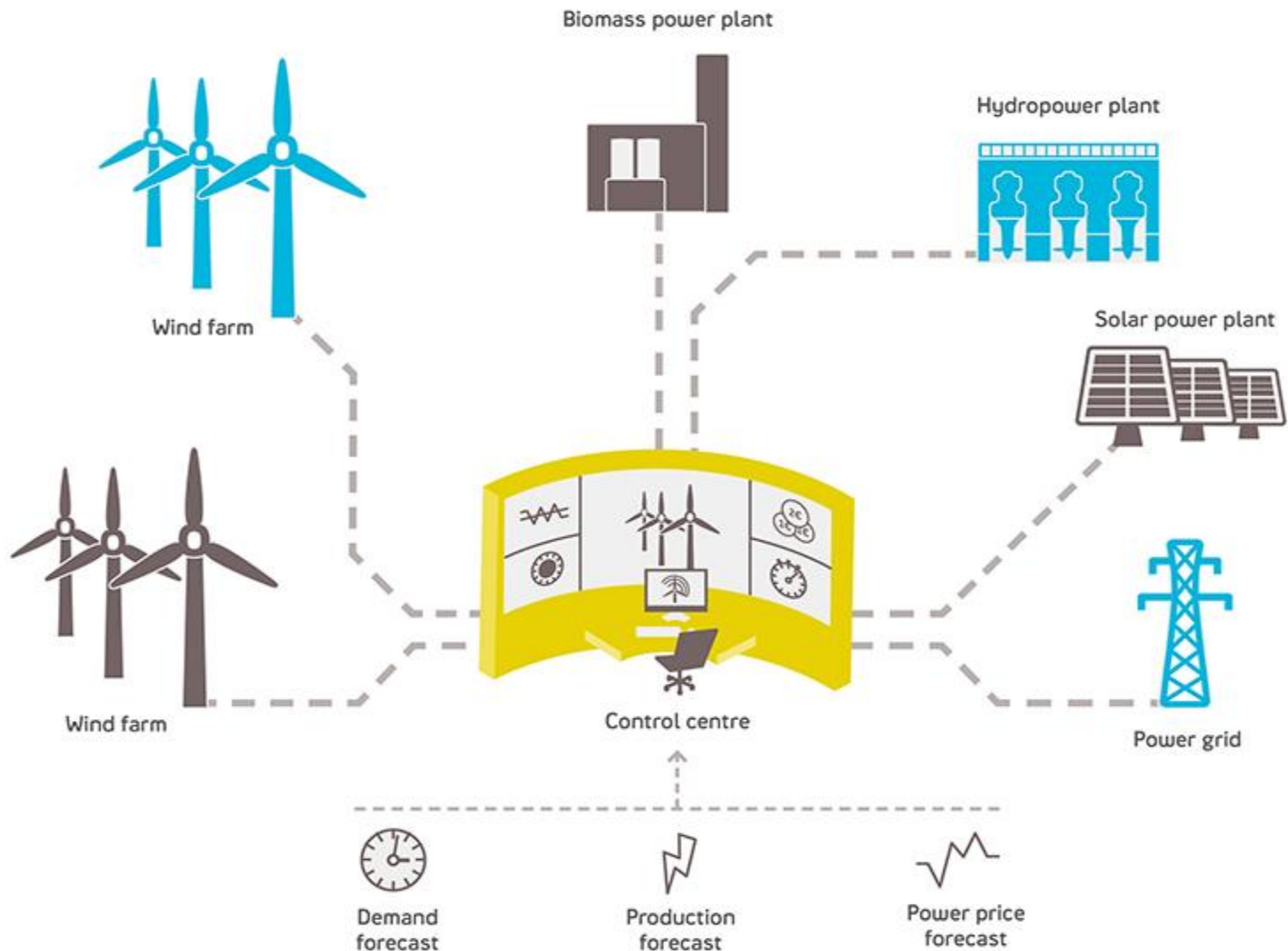


# THE FUTURE OF UTILITIES

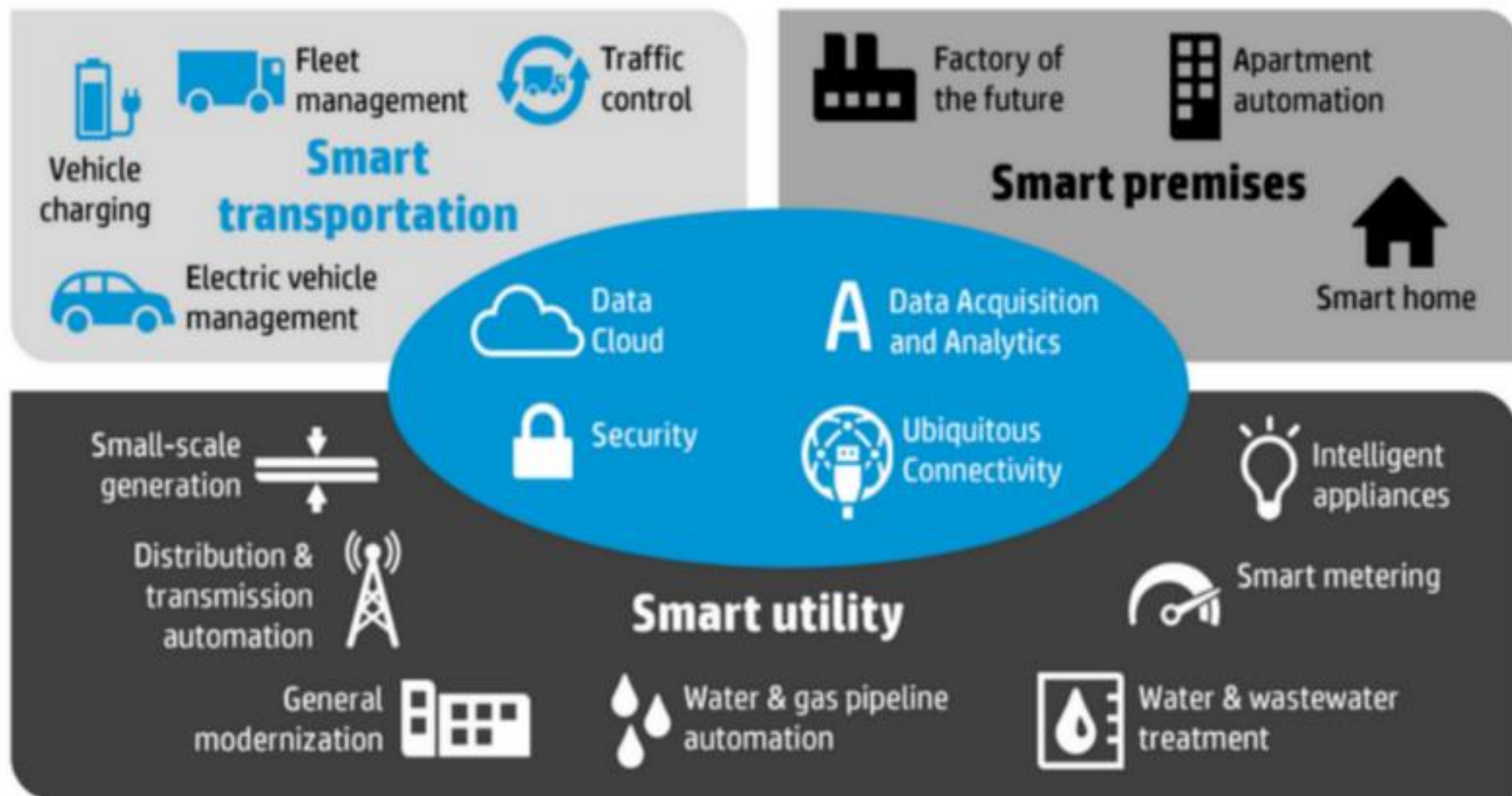




# THE VIRTUAL POWER PLANT



# SMART INFRASTRUCTURE



# **AND HERE COME THE DIGITAL TRANSFORMATION STRATEGY – DTS -**

# BACKGROUND (1)

- ➡ Noting that the lack of a coordinated framework was an impediment to development, in 2012, the 4th Conference of Ministers responsible for Communication and Information Technologies (CITMC-4) “***requested the AUC, RECs, NPCA and UNECA to develop a coherent, unified, harmonized IS/CIT strategy for the continent***”.
- ➡ Request endorsed by the AU Executive Council Decision [EX.CL/Dec.739 (XXII)]
- ➡ In March 2013: AUC, NEPAD e-Africa and UNECA WORKSHOP. The Outcomes are:
  - ➡ SWOT Analysis
  - ➡ Mission and vision statement for the CIT strategy
  - ➡ Identification of 7 strategic pillars
  - ➡ Strategic objectives for each pillar
- ➡ June 2013: the Draft Plan/Framework was presented to the Bureau of the CITMC
- ➡ May 2014: Workshop in Mauritius with RECs and SI:
  - ➡ elaboration of outputs,
  - ➡ identification of domains of implementation,
  - ➡ identification of ownership of outputs and possible funding sources

# BACKGROUND (2)

- ➡ CFTA event and need for e-Trade Strategy
  - ➡ EX.CL/Dec.835(XXV), EX.CL/Dec.987(XXXII)
- ➡ ECA Resolution (81 –XXXI) on the African Information Society Initiative
- ➡ Smart Africa Board meeting and 32nd African Union Assembly of Heads of State and Government highlighted the need for the ICT sector to lead the development of a comprehensive Digital Transformation Strategy for Africa in collaboration with the UNECA, Smart Africa, AUDA-NEPAD, RECs, AfDB, ATU, ACBF, ITU, and WB
- ➡ TASK FORCE
- ➡ STC-III

## 👉 THE VISION:

- *Integrated and inclusive digital society and economy in Africa that improves the quality of life of Africa's citizens, strengthens the existing economic sector, enable its diversification and development, and ensure continental ownership with Africa as a producer and not only a consumer in the global economy*

## 👉 THE FOUNDATION PILLARS

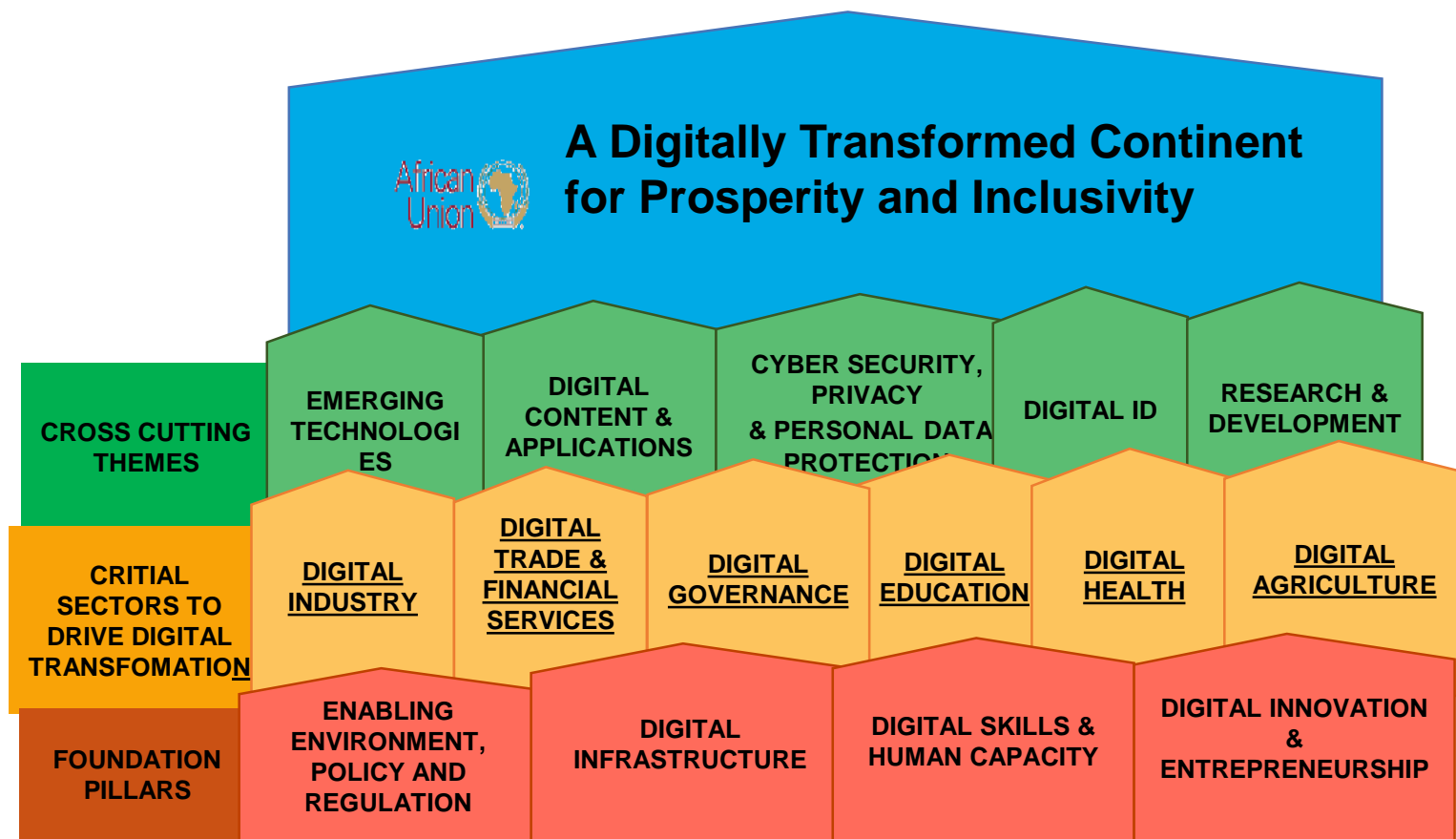
- ✓ Environment, Policy & Regulation,
- ✓ Digital Infrastructure,
- ✓ Digital Skills & Human Capacity,
- ✓ Digital Innovation & Entrepreneurship

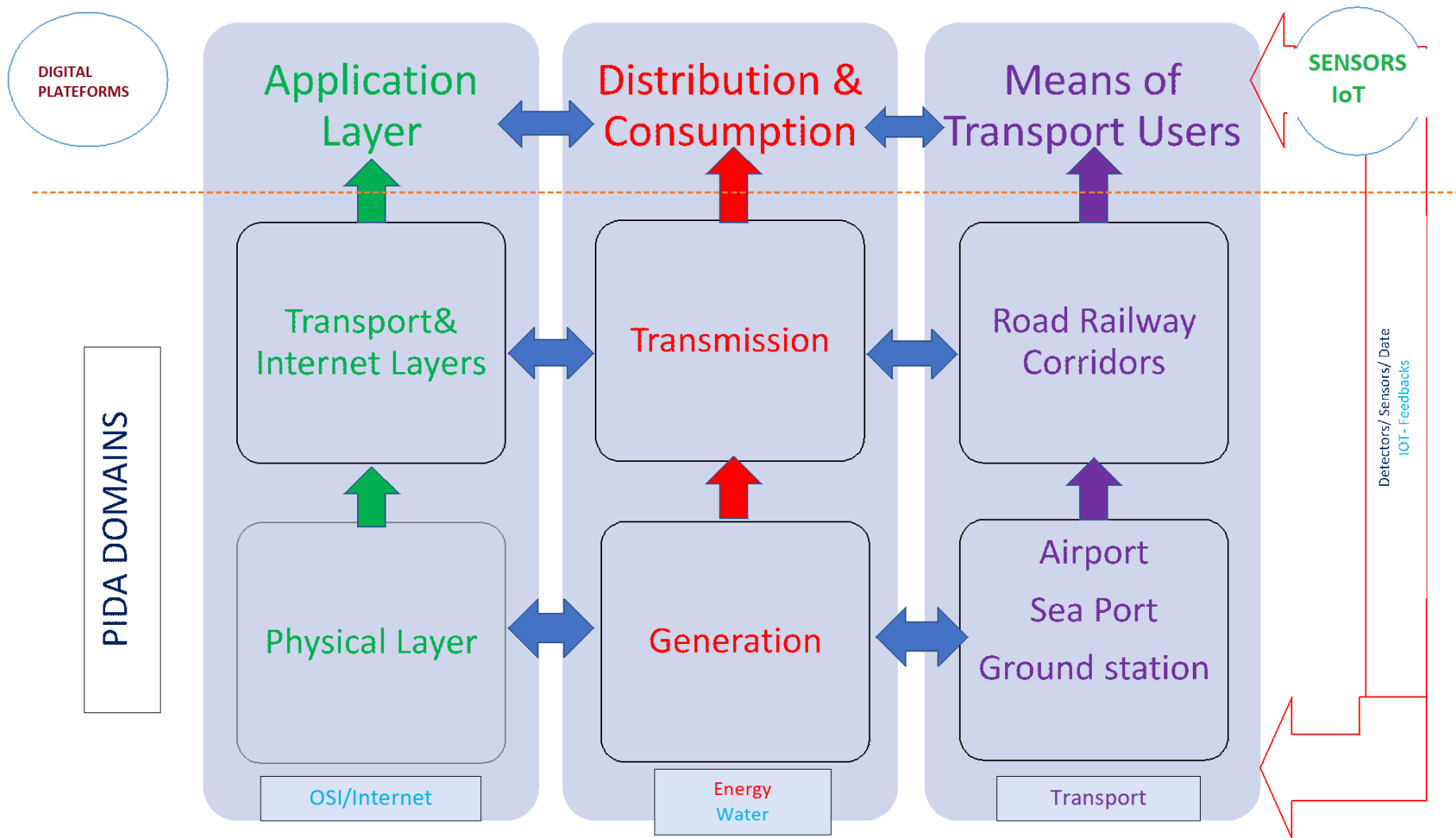
- ➡ Digitalization of Industry,
- ➡ Trade & Finance,
- ➡ Government,
- ➡ Education,
- ➡ Health and,
- ➡ Agriculture.



- ▶ Digital Content & Applications,
- ▶ Digital ID,
- ▶ Emerging Technologies,
- ▶ Cybersecurity, Privacy and Personal Data Protection,
- ▶ Research and Development transformation.

# DIGITAL TRANSFORMATION STRATEGY FOR AFRICA'S SOCIO-ECONOMIC DEVELOPMENT(2020-2030)





## • Opportunities

- Community access
- Alternative networks
- Crowd Funding
- Inclusion and participation of all
- Better feed backs and planning thanks to Big Data

## • Digital cooperation

- Policy for each sector in silo is no more an option
- Digital governance at are levels
  - Needs for more of engagement of higher authorities
  - Better coordination

## • Protection of critical infrastructure and privacy

- Cyberwarfare
- Norms and behavior in Cyberspace
- Sensor Technology
  - Easy data collection

- **P** = Promoting/ Policing
- **I** = Infrastructure / In
- **D** = Digital
- **A** = Age

# THANK YOU