



**5<sup>th</sup> SG 13 Regional Workshop for Africa on  
"ITU-T Standardization Work on Future Networks: Towards a Better Future for Africa"  
(Cairo, Egypt, 2-3 April 2017)**

**RWANDA'S APPROACH TOWARDS EMERGING TECHNOLOGIES,  
opportunities and challenges**

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# ICT Sector Brief

**MYICT**  
Ministry of Youth and ICT

Policy and Sector Leadership  
(Control Tower)

**RURA:**  
Rwanda Utility and  
Regulatory Authority

Regulate the ICT Sector

**RISA:**  
Rwanda Information Society Authority

Implement and Coordinate  
The National ICT Programmes



# ICT Strategic Objectives

## STRATEGIC OBJECTIVES

- To develop a vibrant ICT industry and position Rwanda as the Regional ICT Hub
- To facilitate the creation of a highly competitive service sector, fueling economic growth (cross-cutting)
- To promote social and cultural interaction and integration in the society through the use of ICT
- Enable efficient and effective service delivery through ICT



Broadband Policy



NICI Strategy



ICT Sector Strategic Plan



Smart Rwanda Master Plan to lead ICT towards Vision 2020.



Regulatory framework for postal services



Cyber Security Policy



Northern Corridor Projects (*One area network which increased up to 900% growth in traffic*)



New ICT Law



Rwanda Information Society Authority



# ICT Infrastructure



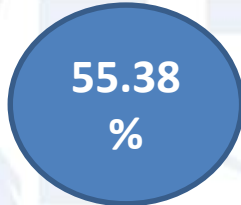
Analogue to Digital Migration completed



Fibre optic cables across the country completed



Sim Registration completed



Internet penetration



Phone penetration



Use the Kigali Metropolitan Network in data transmission



National Data Centre running on a cloud platform



KALISIMBI Project completed



Competition in the broadcasting Industry (34 Radios, 10 TV stations etc)

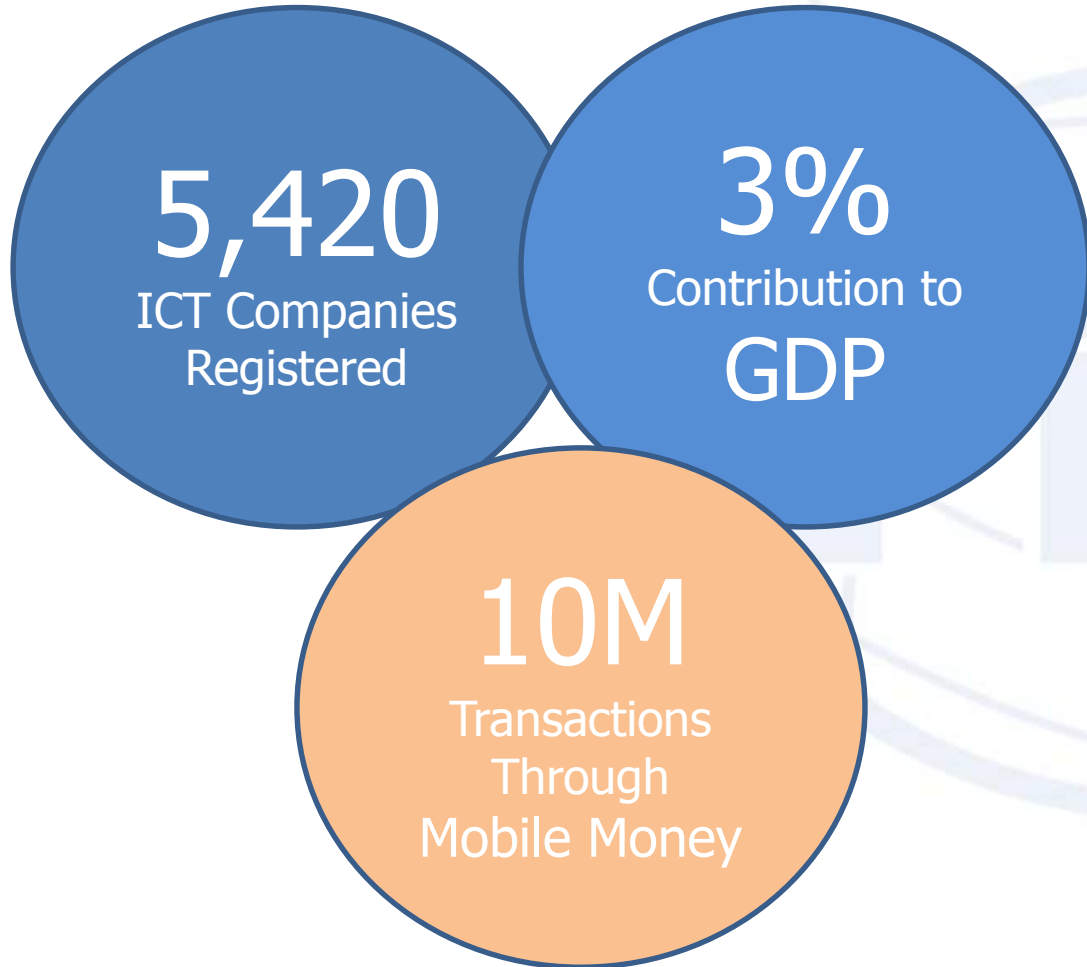


# Projects & Flagships



- Automate all Government services online
- 4G LTE which targets to cover 95% by 2017
- ICT Community awareness campaigns
- Electronic Single Window System
- Cyber Security Programs like CRST
- Introduction of Innovations Centers (Klabs, Kicukiro Innovation Center)
- Positivo Assembly Plan yet operational.
- Sector Coordination and Private sector involvement in ICT activities.
- Social media uptake (WhatsApp, Facebook, Twitter)
- Girls in ICT (Women Empowerment and Mainstreaming in Technology)
- Government Command Center in progress
- Video Conferencing across the Government (District Connekt)
- Telecommunication Quality of Service Monitoring System which regulates Telecom SLA's.
- E-Health Support Systems like (Rapid SMS, Telemedicine)
- Online business Registration
- Smart Kigali Agenda (WIFI in hotels, Buses and Office buildings)
- Existing e-service platforms in all sectors (Land-use MIS, e-Soko,)
- One Laptop Per Child (400,000 deployed)

# Economic Benefits & Investments



## Kigali Innovation Center Zone Ongoing





# ICT Awards



Rwanda ranked No.1 globally for success in Government promotion of ICT by *Global Information Technology Report, 2015*



Rwanda ranked No.1 by in use of social media by *Social Media Award Africa, 2015*



Rwanda ranked No 1 in Africa for affordable internet by *Alliance for Affordable Internet, 2015*



"2014 World Telecommunication and Information Society Award" 16 May 2014, Geneva, Switzerland

ITU award to HE the President for championing ICT in Africa

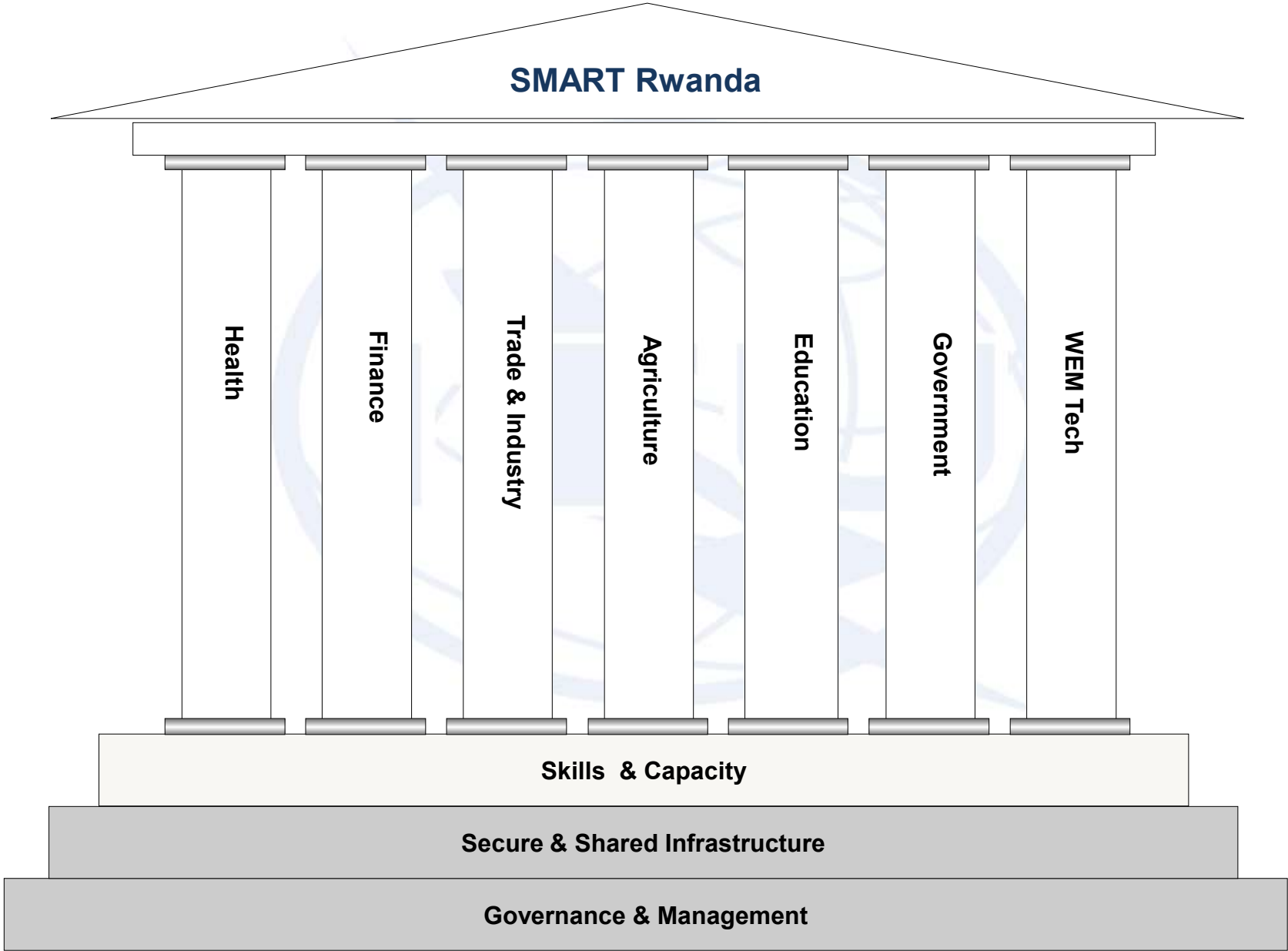


## Other Ongoing Projects

- Implement the National Digital Literacy Program & ICT awareness campaigns
- Implement free WiFi at all Public Premises, Internet Bus Project, City Road Navigation Systems
- Implement the Smart Administration Project, e-Passport Project, the CCTV Project
- Deploy Village Knowledge Hubs at every cell countrywide
- Support the implementation of the cyber crime investigation centre at RNP
- Support the implementation of the Girls in ICT agenda
- Policies in pipeline: eWaste Policy, Open Data Policy, 5G Readiness...
- Support the development of BPO Clusters in Rwanda
- Contribute to the Smart Africa Alliance agenda together with other key stakeholders (Member states, ITU, ATU, Global Industry, WB, AfDB, etc)
- Implement the Northern Corridor Integration Project Directives (*including the One Network Area for SMS/Data/Mobile payments, Regional CSIRT, Regional PKI Project, Implementation of the regional cyber security MoU, interconnection of National Backbone Infrastructures, implement the regional e-Services Strategy, Implement the Regional Internet Exchange Point and joint participation in ICT events, etc*)



# SRMP – Digital Economy strategy



# Key messages from SRMP

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## **Focus Area 1: Business and Innovation area:**

Will focus on Exports Promotion and FDI's with projects as Kigali Innovation City as well as nurturing our home grown ICT businesses.

## **Focus Area 2: The national economic digital transformation area**

The 7 SMART pillars are: SMART Agriculture, Finance, Trade and Industry, Health, Education, Government, and Women & Youth Empowerment in Technology (WOY-Tech).

The 3 SMART enablers are: ICT Capability & Capacity, Secure & Shared Infrastructure as well as Governance & Management.

## **Focus Area 3: The Future Planning area**

Focus on R&D and leveraging global technology trends so as to feed our economic digital transformation.

Several trends with great potential have been identified in areas of SC&SC, IoT, Big Data and Analytics, Drone Technology, 3D Printing, creative industries and cyber security



**Thank you!**