

Country Transformation Accelerating into the Digital Economy

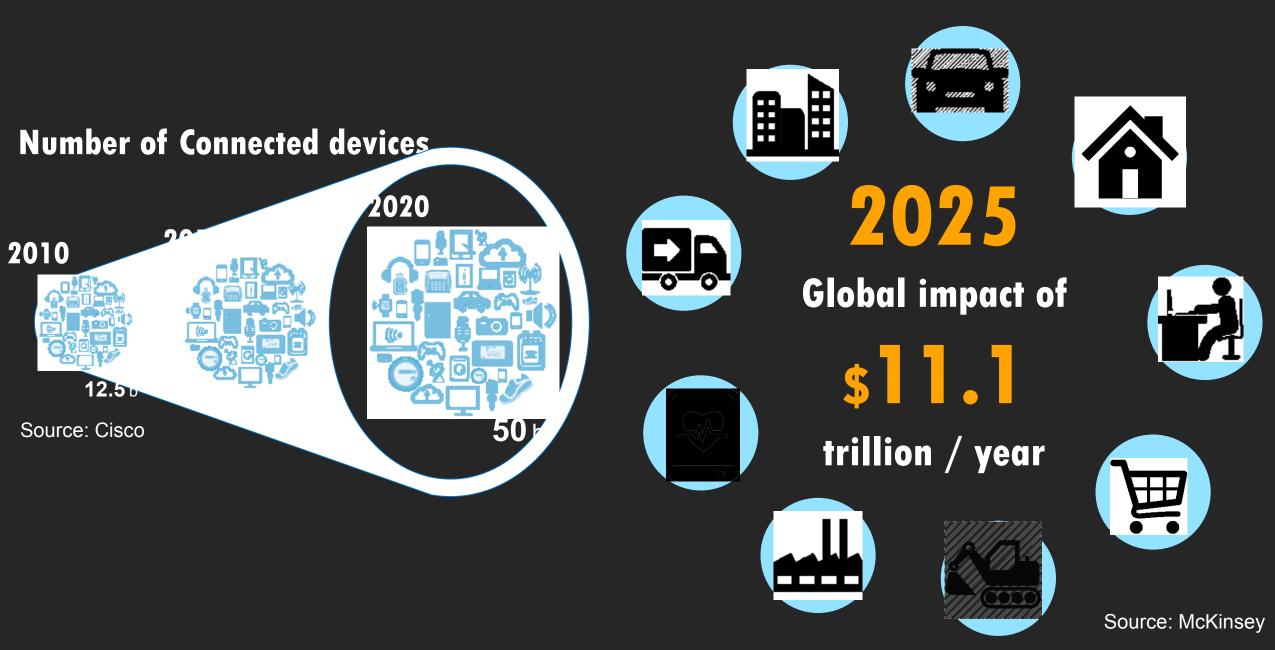
ICT Innovation inside Government

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November 2016



Technology transforms everything...



By 2020

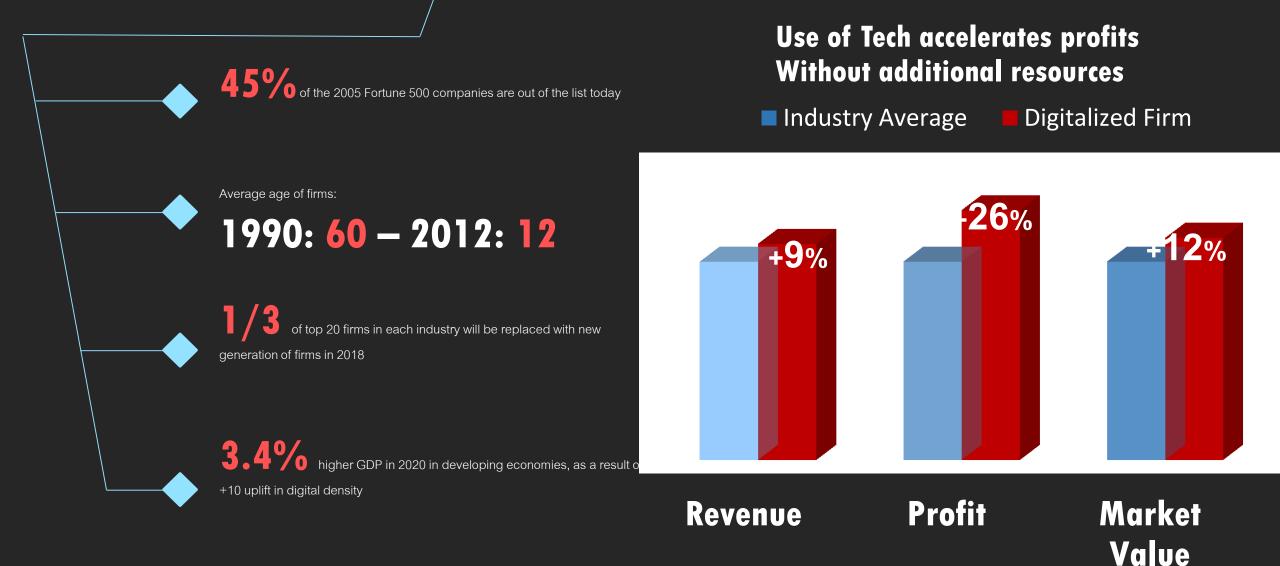


The Coming Flood of Data

1.http://www.cisco.com/c/en/us/solutions/service-provider/vni-network-traffic-forecast/infographic.html
2.http://www.cisco.com/c/en/us/solutions/collateral/service-provider/global-cloud-index-gci/Cloud_Index_White_Paper.html
3.https://dataflog.com/read/self-driving-cars-create-2-petabytes-data-annually/172
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4. http://www.cisco.com/c/en/us/solutions/collateral/service-provider/global-cloud-index-gci/Cloud_Index_White_Paper.html 5. http://www.cisco.com/c/en/us/solutions/collateral/service-provider/global-cloud-index-gci/Cloud_Index_White_Paper.html

The New Face of Competition...



Source: Accenture

The Vortex of change accelerating country transformation

What Governments Care About... all will be impacted by the **Digital Vortex Capacity building** Jobs

Policies, Regulations, Printation of SMEs

Provide Crime, Cybercrime, Cybersecurity & Cyber warfare

Fiscal pressure - Tax evasion and fraud

Education & Skills

Country Competitiveness

Income Inequality

ECONOMY Healthcare

Poverty

Security & Defense

Urbanization & Smart cities

Closing the Digital Divide

Climate Change

Consumerization of public services

Youth Unemployment

Provide services globally to all citizens and companies despite its location

Social benefits Services

Broadband expansion

Service Delivery to all citizens

Aging population, Demographic pressure

Country Competitivenes

What That Means for Government...











Jobs

Millions of jobs will be impacted by the Digital transformation in all industries

Economy

Government leaders need to accelerate the transformation of their country into the new Economy

Skills Development

Upgrade education to prepare people for the jobs/skills of the future

digital inclusion

Enabling Access & Affordability, Improving Digital Literacy and Financial inclusion

Improve government services

Citizens expectation are at all time high and Gov't need to embrace Digital Services

Evolve Government IT infrastructure

Modernize & Transform ICT to enable Digital Government eServices Platform foundation



Innovation drives sustainable advantage

Germany - industry 4.0



Smart factories use embedded production technologies to dynamically optimize production processes

Equation of the second statement - July 2015
 2015

€90-150 B (1% of GDP) revenue growth annually in 10 yrs Firms's that employ and scale new technologies stay ahead as economy shifts

Source: Boston Consulting Group

The Vortex of change - accelerating country



Industry 4.0 Autonomous Vehicle Smart Cities Drone

CODE-Ification of Money, Identity and Trust



Digital Currency Electronic ID Blockchain



Cybersecurity



Connected Car Critical Infrastructure Data Protection & Privacy

DATA: Raw material of Information Age



Real Time Analytics Precision Agriculture Precision Medicine

Digital Society and technologies will transform Government Economic, Social and Political mandate in unprecedented ways...



Headwinds to Change

What is a digital ready country ?

"It is a Country where Leaders understand that in the next few years the World will be completely different from today...

...Where leaders are transforming their economy based on industrial revolution toward digitally enabled economy to capitalize on Economic growth and Social benefits for their citizens...



What is a digital country?

- Provide key ICT infrastructure to Citizen and Business
- Development of Education and skills for tomorrow (Build Capacity and enable Opportunities)
- Financial Services that are Digitally enabled & available to all
- Investor friendly from Private Equity to Venture Capital
- Stable Institutional Environment Political stability, Rule of Law, State of the art governance and corruption free
- **Collaborative** Increase regional collaboration and partnership among countries
- Public-Private collaboration Partnership to plug the gaps in inadequate infrastructure

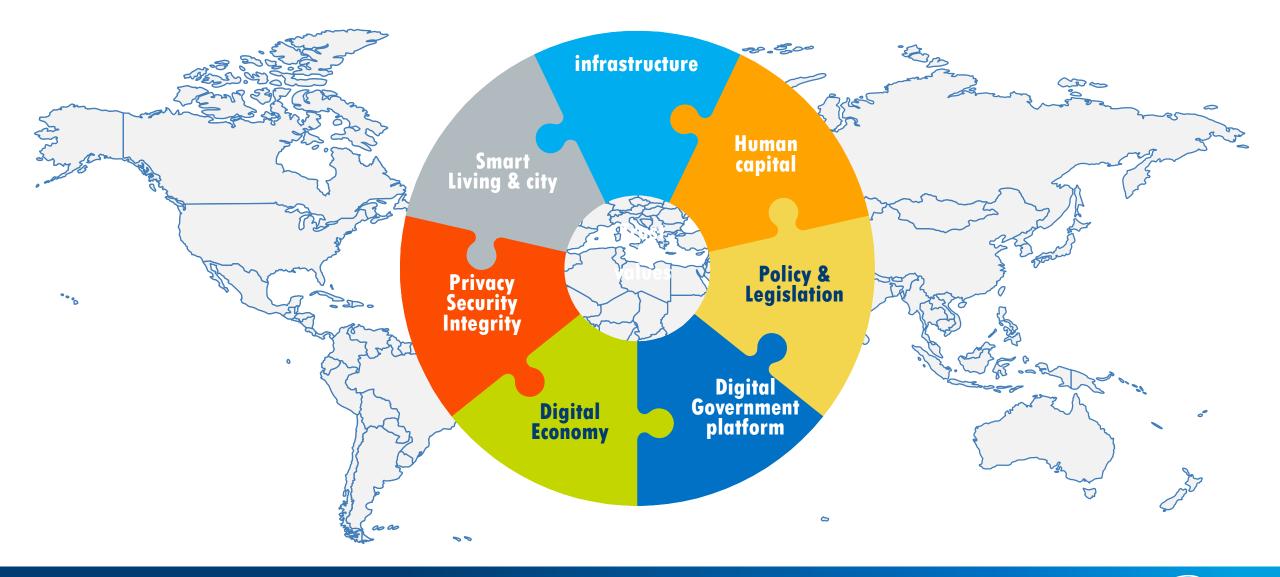


Digital Country Transformation : e-Estonia

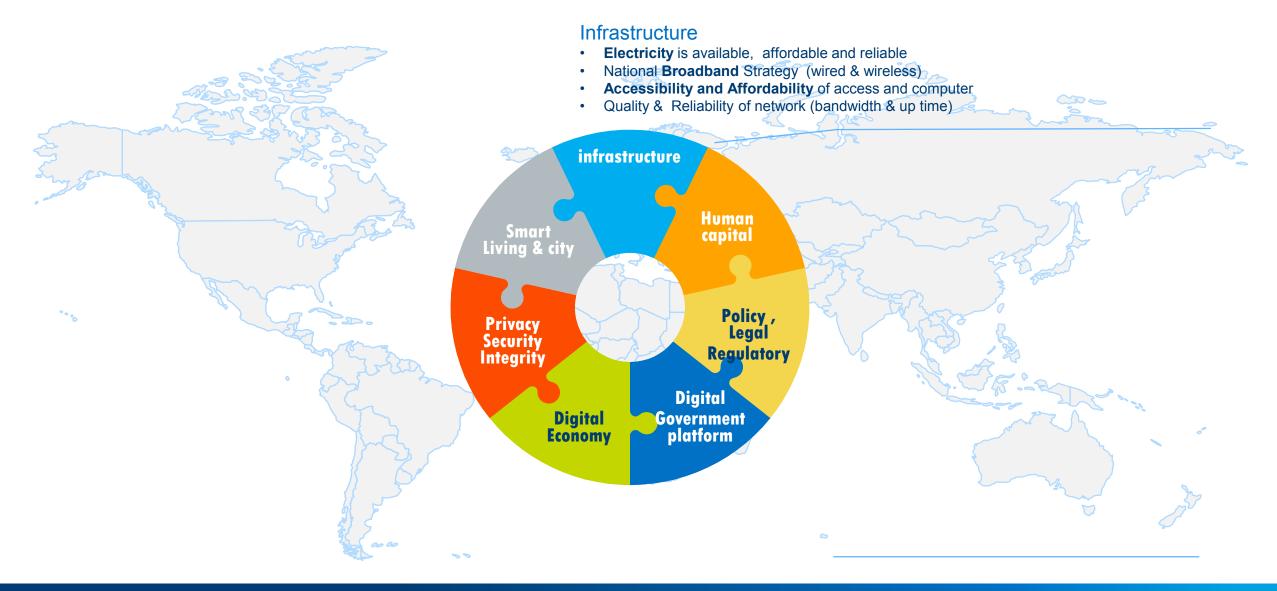




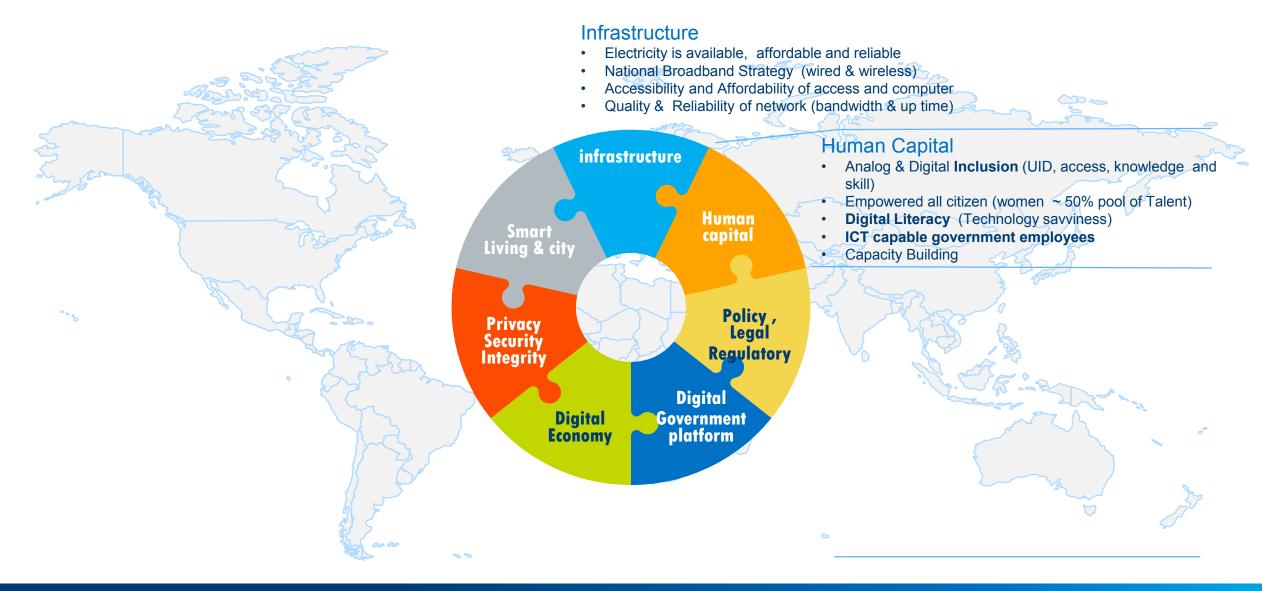
Re-imagining the Country for the New Economy E-Residency Data-Embassy No Legacy law



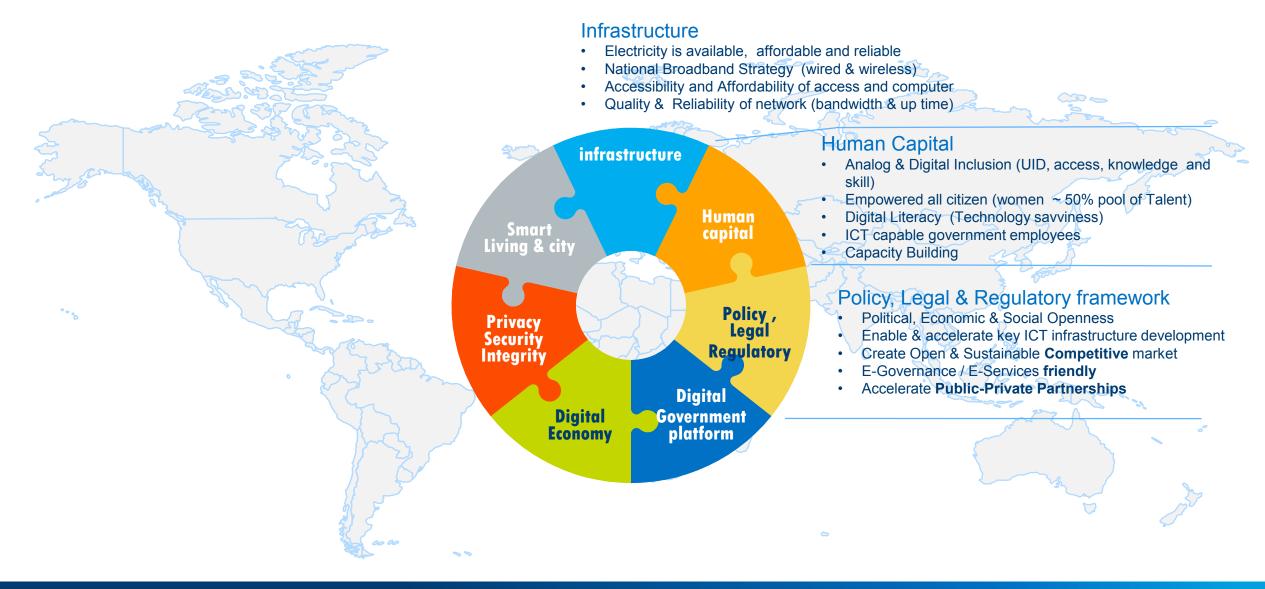
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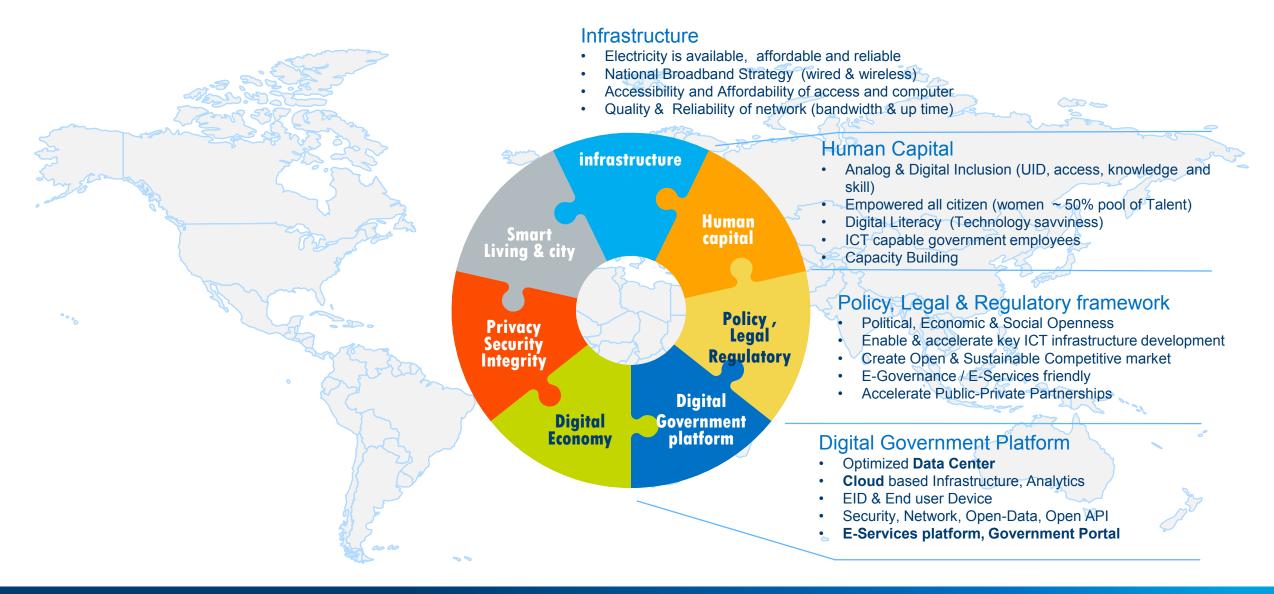
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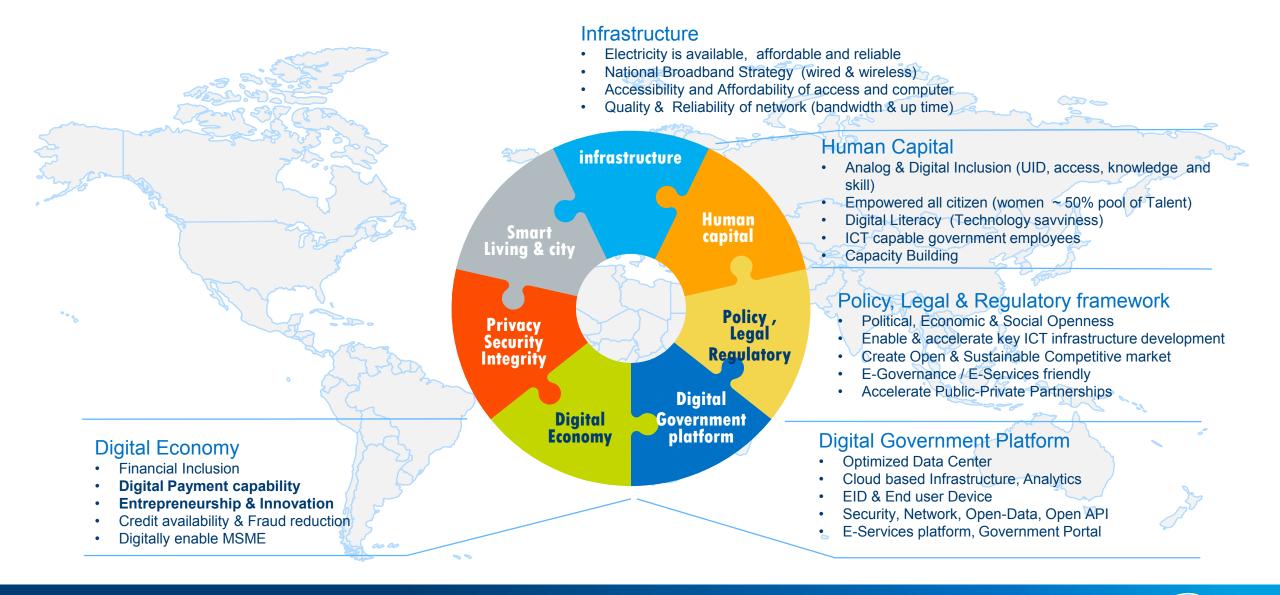


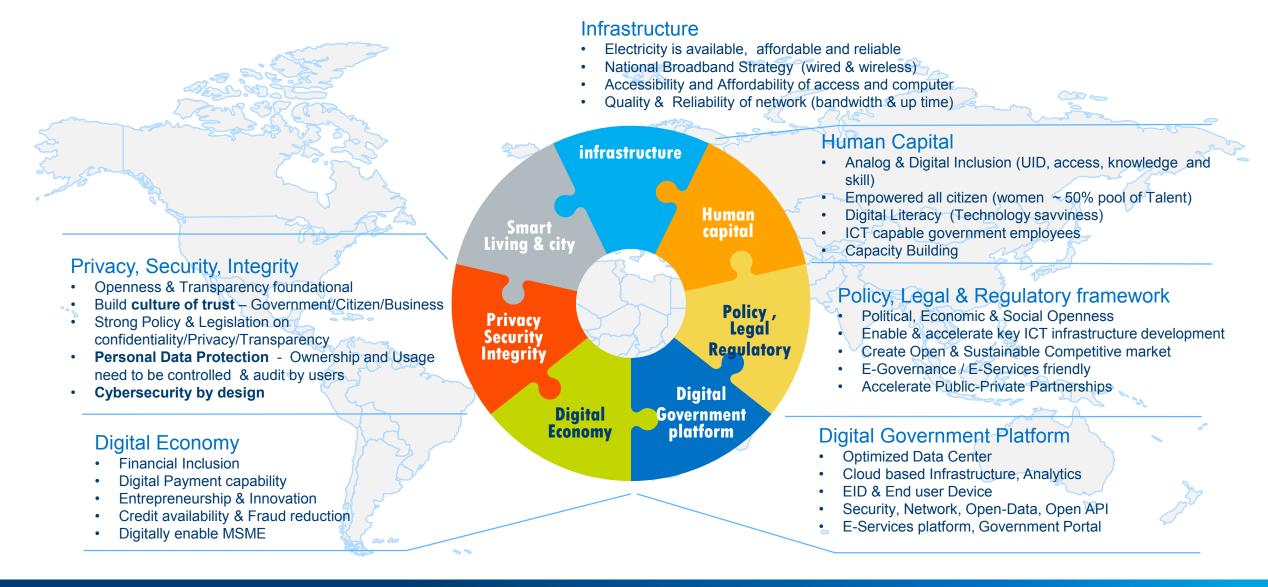


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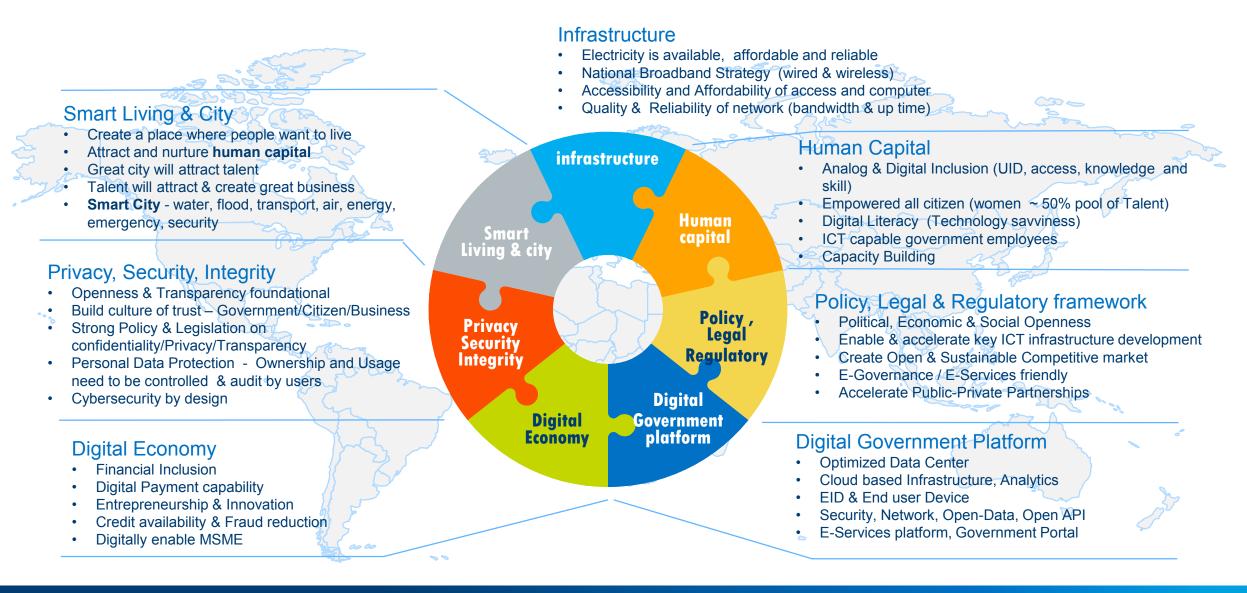








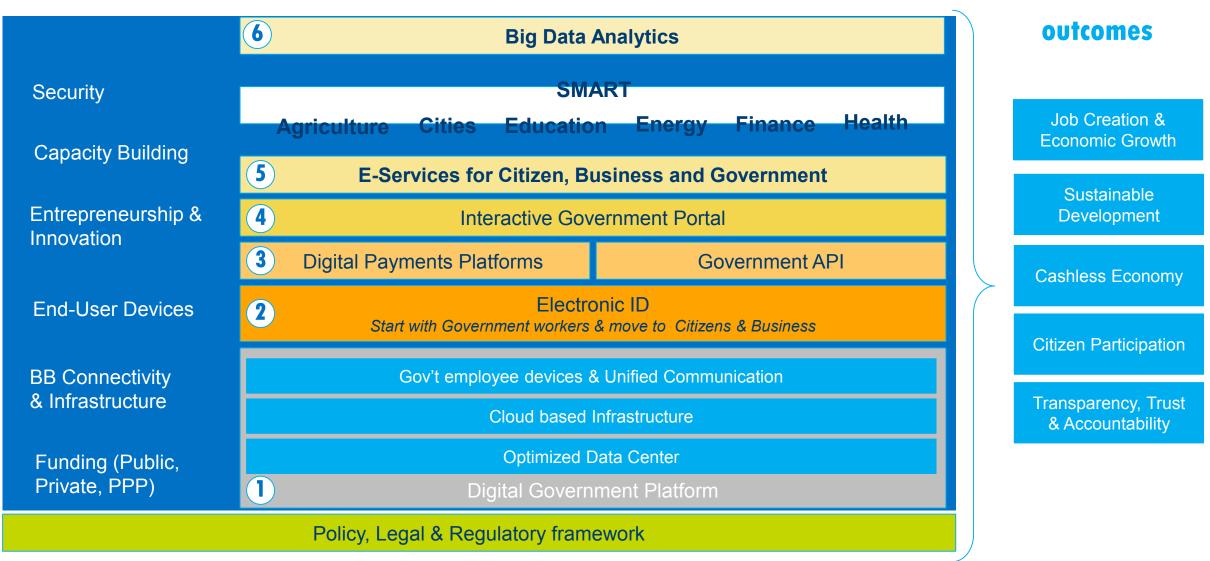




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Digital Government Framework

Foundation





Key benefits of digital transformation

\$ Economic Impact

Social Impact

Governance Impact

- GDP Growth, Country Competitiveness
- Job Creation
- Innovation & Capacity building
- Quality of life & Citizen Happiness
- Services, Education, Healthcare, etc.
- Create Opportunities
- Increase Public participation
- Transparency, accountability
- Greater efficiency for better public services



THE FUTURE IS WHAT YOU



