

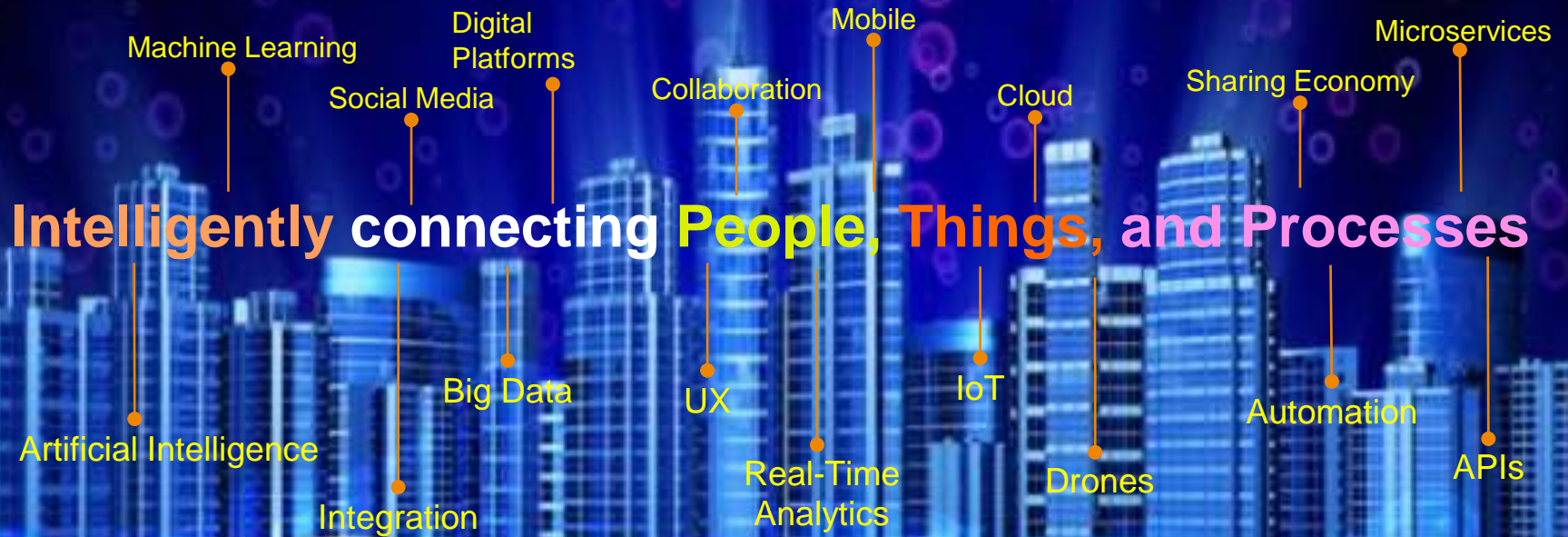


The Rise of Digital Cities

Intelligent Communities of the Future

Engr. Manny R. Estrada, PECE, AER
SVP, TSS
Globe Telecom, Inc.

Defining what an iCity is



What are the Drivers of other Countries for Intelligent Cities ?



Lifestyle



Connectivity



Safe City



Environment



Inclusive Growth



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- Economic *Connectivity, Safe City, Inclusive Growth*
- Social *Lifestyle*
- Environmental *Energy Management*

Several ICT Solutions for iCities



Home Automation



Telecommuting



Environment Air Temperature Monitoring



Utilities Metering



Safe City



Reduction of Crime



Agriculture

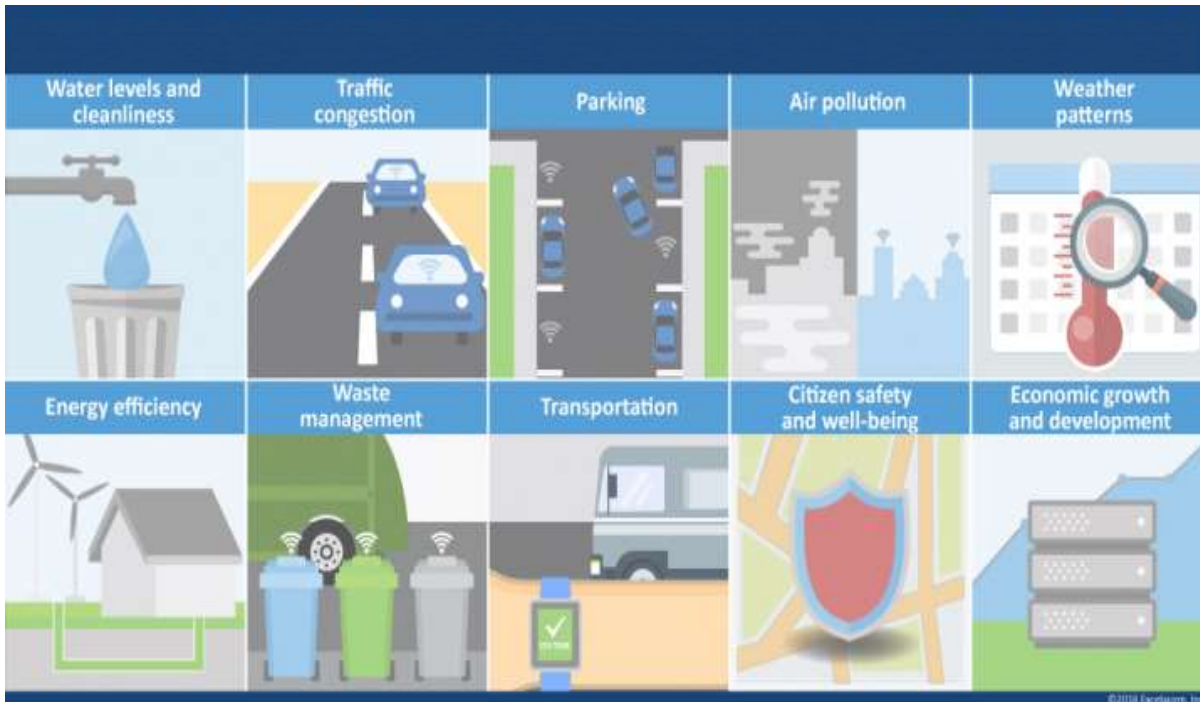


IT Parks

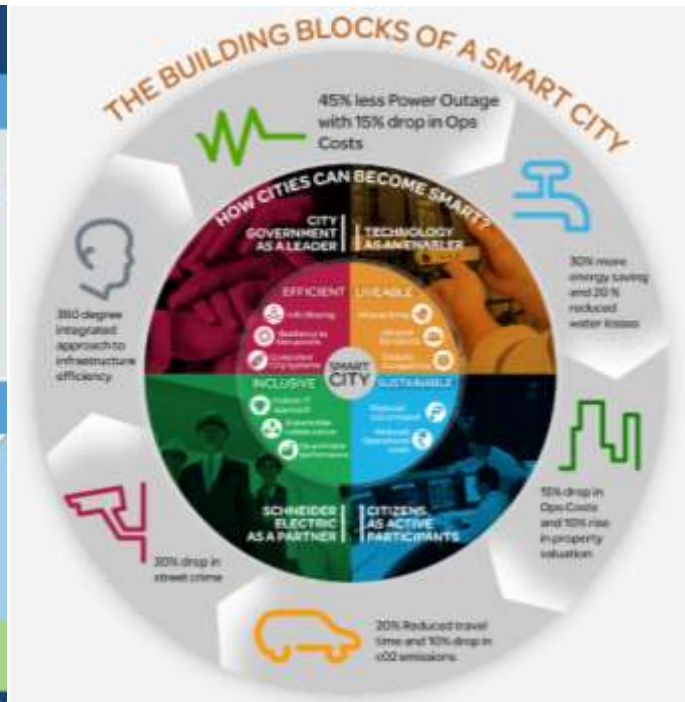
TELCOs plays a vital role for these solutions



How Intelligent Cities Solve Problems....



Source: Excelcom



Source: Schneider Electric

How Telcos Can Enable iCity Solutions....

A Resilient and Future Proof ICT Infrastructure is Key to Enable the Intelligent City of Tomorrow

COMMAND CENTER


DATA COLLECTION & ANALYTICS


- New Education Tools
- New Health Center Applications
- e-Government Applications
- Safety & Disaster Management Applications

Shared Data Center


- Video Surveillance & Analytics Collection
- Future Environmental Applications (Parking, Waste, Meters, Lighting)
- Barangay Community Applications

Ubiquitous Network





**Broadband Internet
Wireless Access**



**Fiber Network –
Video & BB
Connectivity**

SERVICE MANAGEMENT
Subscription, Provisioning, Rating & Charging,

FAST & LOW LATENCY CONNECTIVITY
Ubiquity, Secured Routing, Wireless, Wireline & WIFI

Network Layer

DEVICE MANAGEMENT & SECURITY
Device configuration/discovery, Software Update

Access Layer

Computing Devices



*Access for
Residents, Workers,
Schools & Hospitals*

IoT Devices



*Access for Video Surveillance &
Analytics, Lighting, Parking &
Waste Sensors, Intelligent
Meters*