



# E-Government Strategy & Implementation: International Experience

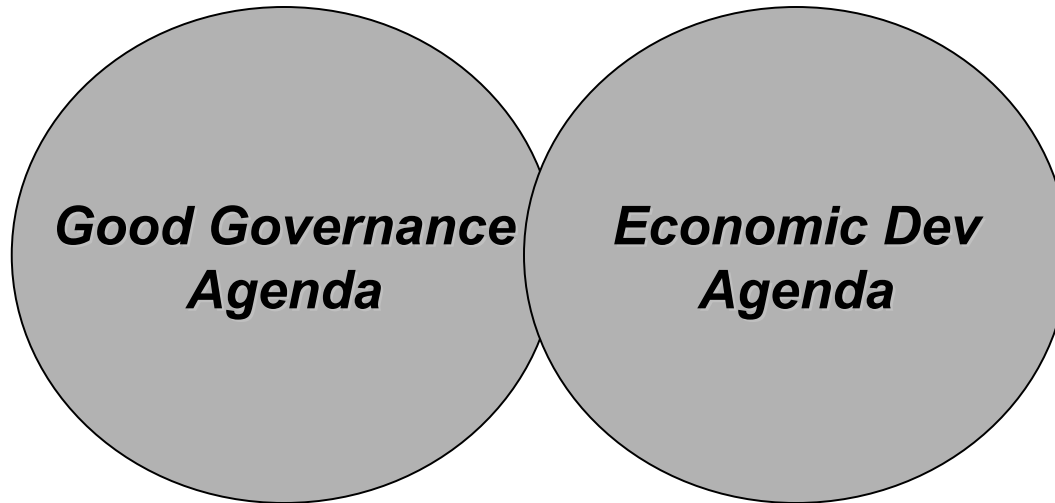
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**1st August 2007**

# Agenda

- e-Governance
- e-Governance: Objectives & Delivery
- e-Governance: Driving forces
- Critical Success Factors & Enablers
- Case Studies and Applications
  - Issues and Challenges
  - Experiences of benefits
- Summary

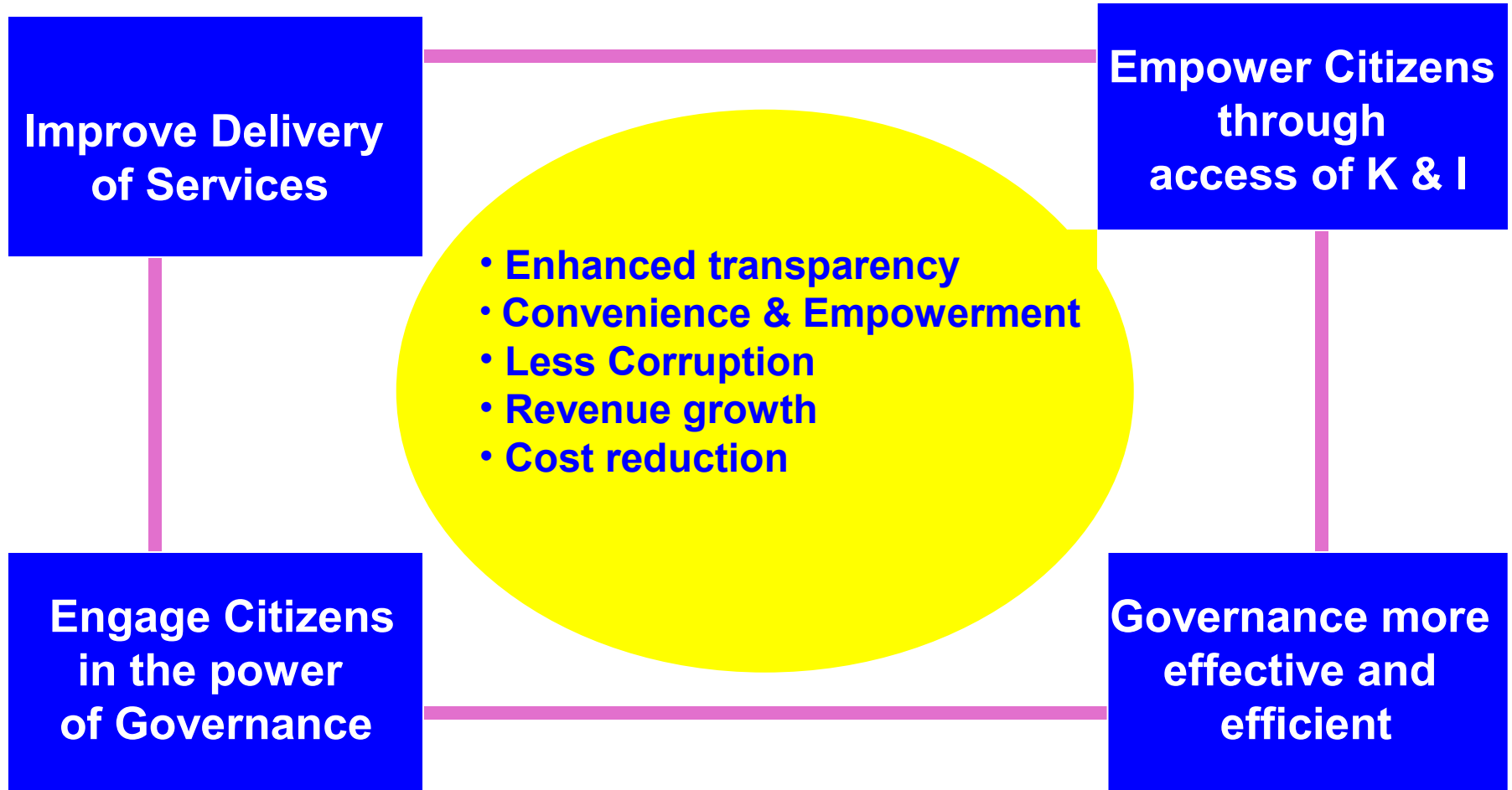
# ***E-Governance***



***Two Sides of a Coin!***

***E-Governance is a process of reforms in the way Government works to share information and engages citizens and deliver services to external and Internal clients.***

# Objective & Delivery



**Priorities are set by the government, e-government only helps to achieve them**

# Driving forces for E-Governance

## Challenges!!

*India yet to showcase successful end to end delivery of E-Governance across the country.*



### Competitive global environment

Need to leverage fully on infocomm to establish a best for business climate



### Rising citizens expectations

Need to provide even better service through more proactive, user-friendly, responsive and integrated e-Services



### Online medium becoming the medium of choice

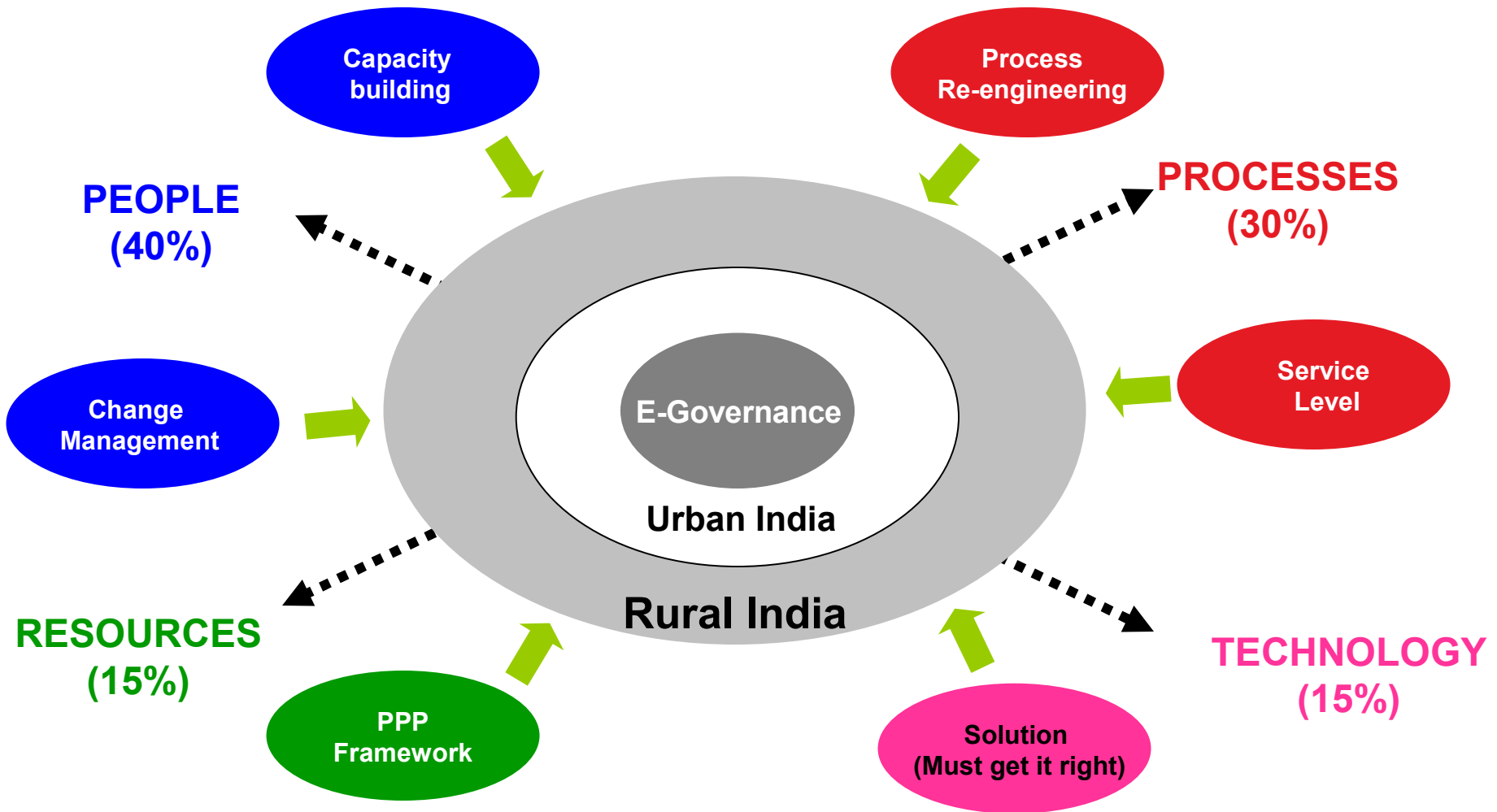
Best medium to spread the access faster for any services



### Increasing need to do more with less

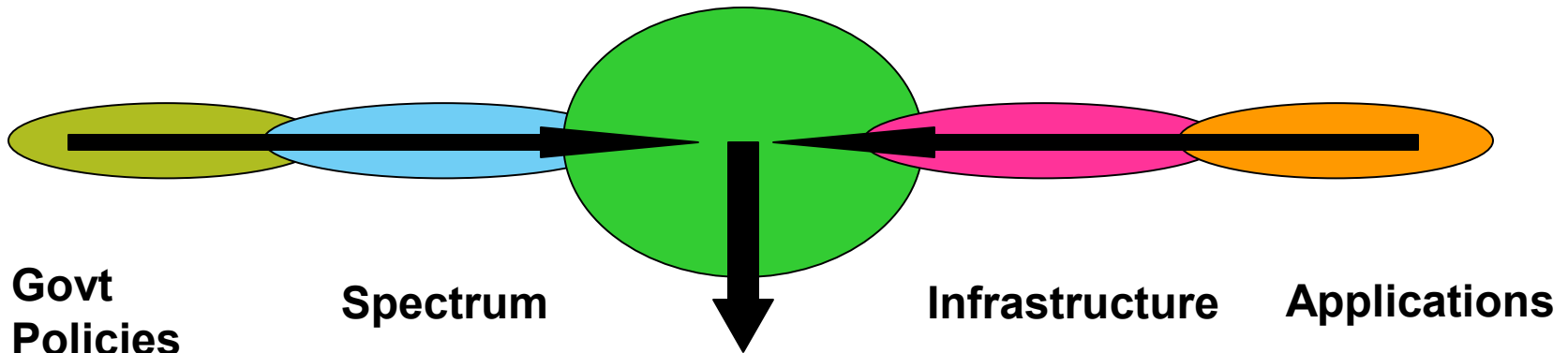
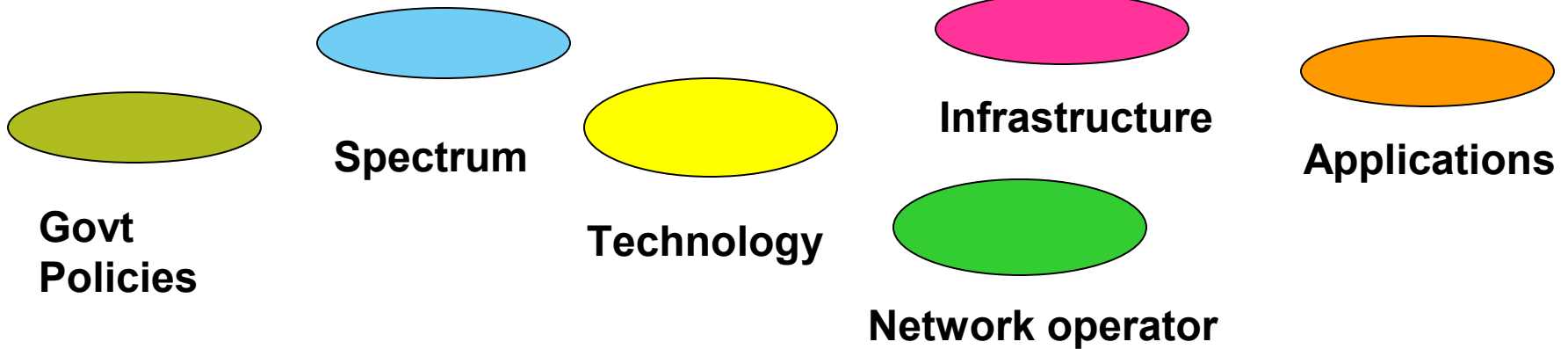
Need to seek new ways to achieve greater efficiency and improved effectiveness

# Enablers of E-Governance



# Technology Eco-System:

# Must get it right



Working Solution With  
viable Business Case

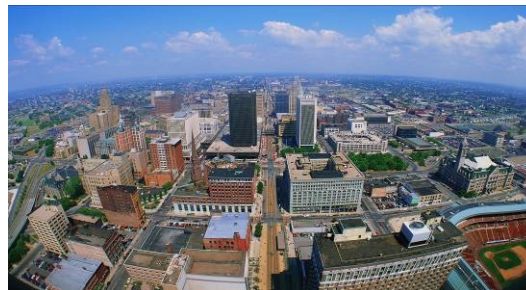
**Tie up all ends**

# Why over debate on - Standards and Interoperability?



- **Products & Components**
  - Still a challenge in Multi vendor scenario
- **Ownership**
  - Who owns end to end ownership for Interoperability
- **Time delay**
  - Various technology posing challenge on the time factor
  - As per the recent announcement, Interoperability tests for some of upcoming technologies may be pushed to early 2009
- **A technology neutral approach would ensure higher commitment**
  - Of deploying one technology or combination of technologies
  - Make front end solution provider accountable for an end to end solution
  - Leave selection and management of individual components to him
- **Unlicensed band solutions are best suited for Rural environment**
  - Which can offer best ROI for all parties concerned
  - Technology in some cases are far superior to currently available Open Standard and Interoperable solution

# Kissimmee, FL



## Stats

- Population: 59,364
- Total area: 12.4 square miles
- Network: MOTOMESH Solo and MOTOMESH Duo

## Objectives

- Wireless broadband connectivity in the downtown, lakefront areas, and Kissimmee Airfield
- Spur economic development, bridge the digital divide
- Real-time video surveillance in high incident areas
- Equip police vehicles with continuous, secure wireless access
- Instant access to preemptive intelligence
  - criminal databases, Amber Alerts, federal mug shots and fingerprints

## Applications

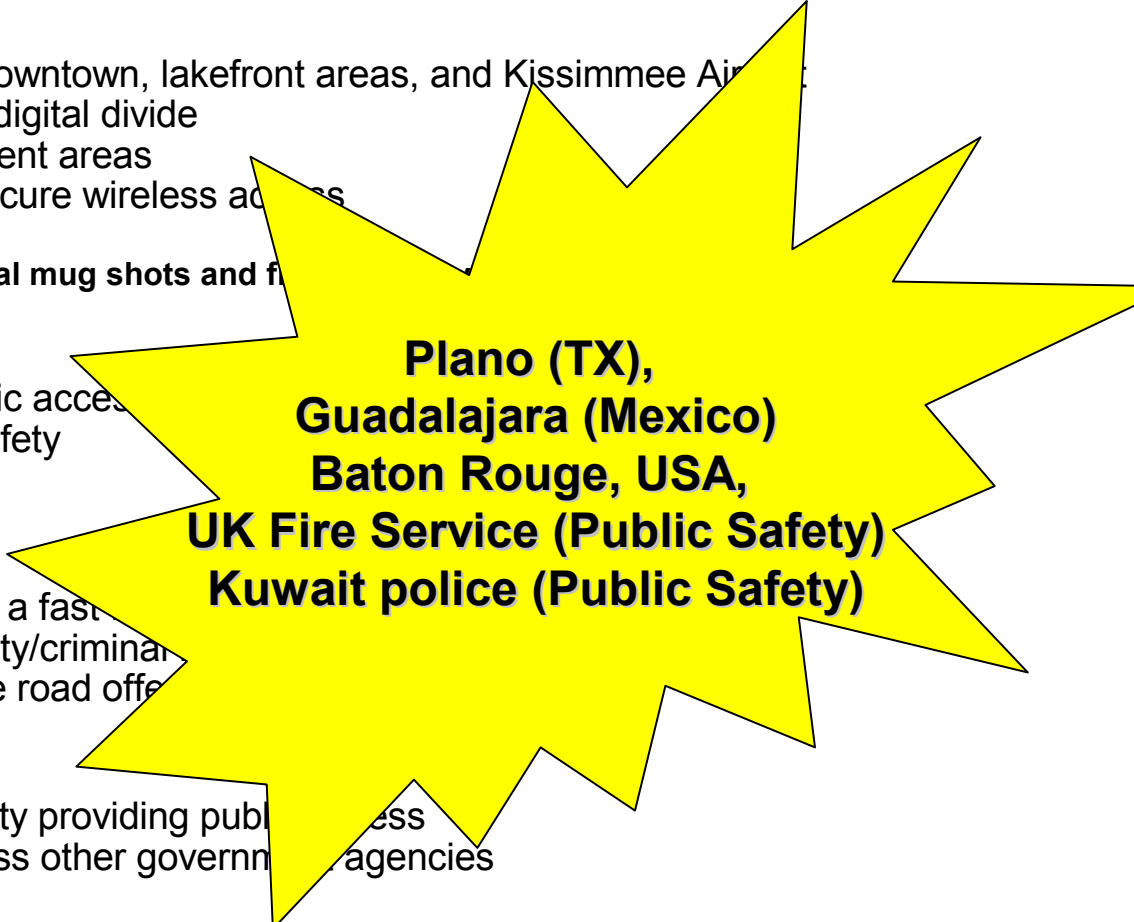
- Wireless broadband connectivity for public access
- Real-time video surveillance for public safety
- Water facility quality measurements

## Result

- Municipalities and Security firms can see a fast return on investment
- Heavy reduction almost 30-35% in security/criminal incidents
- Preemptive intelligence brought down the road off

## Expansion Plans:

- Expand the network to cover the entire city providing public access
- Extend network applications to encompass other government agencies



# CERNET, China

## Stats

- China Education & Research Network
- Total number of campuses to cover – >200
- ~20 campuses deployed thus far
- Network: MOTOMESH Duo
- Motorola chosen because the only vendor supporting IPv6
- Motorola is the only vendor who has passed all the lab tests and evaluation criteria



## Applications

- Extending the LAN to wherever on the campus
- Digital library – library today.
- On-line examination
- Digitizing, archiving all of content (lectures, guest speakers etc.)

## Expansion Plans:

- More than 200 universities in China

**Similar Network  
Is under deployment in  
A University Campus  
In South India  
for 14k Students**



# ***E-Learning in South Africa***

***An Outreach Program (E-Education) Brings Teachers to Students in Need Via A Wireless Broadband Connection***

**Problem:** In Developing Countries Like South Africa with Booming Populations, it's Hard to Find enough teachers to Keep Up with the soaring amounts of Students. And Economic Growth is Slowed When There Aren't Enough People to Fill Out an Educated Workforce

**Solution:** Bring the Teachers to the Students & Form a Tel-Learning System *Ulwazi E-Learning Partnership*. Motorola Supplies the Network Infrastructure with Canopy and Omega Digital Technologies Supplies Electronic Whiteboards. Partnership Connects Five Learning Institutions

**Results:** Perfect Score! Students Receive their Lessons via a Video Transmission Directly to their Computer. It's Very Interactive. If they Have a Question, they go to the Front of the Classroom & Speak into the Microphone which is Transmitted to the Instructor Over the Network. Allows Teacher to Reach a Large Number of Students



***“Multiplying The Number Of Children Who Are Given The Opportunity For Better Lives”***

# Broadband Comes to Schools in Macedonia

**Problem:** Country's overall development requires improved and affordable Internet access.

**Solution:** Macedonia Connects funded by USAID and AED brings broadband connectivity to elementary and secondary schools in rural and urban areas as well as to the business community and general public. Canopy is the backbone for the network.

**Result:** Extraordinary. Thanks to the program, Macedonia's 460 primary & secondary schools now have high-speed Internet access, computer labs & trained IT teachers. In addition, 24 secondary school dormitories, 15 university faculties, 15 educational development board offices and more than 1,000 businesses are all served by the network.



# Conclusion

- E-Government initiatives must focus on high end enablers such as people and processes to create Good Governance and Economic development
- Technology Eco-System Must...
  - **Tie all ends together**
  - **Focus on solution rather than means**
- Whatever a government wants to do, e-Government can probably help do it better and faster – but only if the right strategy is adopted.



# Thank You