Leapfrogging opportunities and the need for policy direction on ITS

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Introduction
Country of great beauty
... and of dangers
Country of great **contrasts**
Country of rich and poor
Country of great achievements
Country of great contradictions

- Rapid urbanization, urban sprawl, insufficient public transport, congestion and near gridlock
- Gap between rich and poor
- High tech and no tech (but 40 million cell phones)
- Vehicle fleet 15+ years of age
- Minibus taxis carry 65% of commuters
- Rampant unemployment (24% officially)
Transport Challenges

- Reduce congestion nearing gridlock in cases
- Improve traffic management
- Improve traffic law enforcement
- Develop integrated public transport system
- Achieve better modal balance
- Improve road safety
- Reduce environmental impact
- Find funding amidst competing priorities
Vision

• To achieve a balanced and integrated transport system in sustainable cities -- with public transport a mode of choice -- where ITS technologies contribute:
  – To enhance transport efficiencies;
  – To improve transport-related safety and security and reduce road deaths;
  – To encourage a people-oriented service approach in transport; and
  – To promote environmental sensitivity and reduce transport’s carbon footprint
ITS Challenge

To achieve the vision, we require:

• To **find funding** amidst competing priorities by:
  – Showing the **cost-benefits** of ITS investment
  – Utilising the advantages of **leap-frogging** to new technologies in the absence of legacy systems

• **Policy direction** by:
  – Collaboration with partners, e.g. IRF ITS Policy Committee, IBEC, UITP & UNECE
  – MoUs with ITS Associations
  – Engaging with political champions
Gautrain Rapid Rail – A catalyst
User-pay principle
Institutional cooperation
Automated Fare Collection
ITS Policy Process

• Active member of IRF ITS Policy Committee
• SC 71 H of SABS and DoT on ITS standardisation and policy framework
• Cooperate with transport/ITS partners
• Reaching out to political champions
• Supporting the ITMP-25 (25-year Integrated Transport Master Plan for Gauteng Province)
• On the “wish list” is project to develop “ITS Green Paper”
All challenges are possible
Road Ahead...
Thank you for your attention!

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