Joint ITU/UNECE Workshop on "Intelligent Transport Systems in Emerging Markets – drivers for safe and sustainable growth"

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ITS in emerging markets: opportunities and challenges

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Transport Policy and Business drivers

Authorities

- Safety
- Efficiency
- Mobility
- Environment
- Economy
- Accessibility

- Quality of life
- Health
- Inclusion

Business

- Stakeholders
- Compliance
- Competitiveness
- Service levels
- Scalability
- Security/Safety
- Loyalty

Intelligent Transport Systems

- ❑ Safer
- ❑ Surer
- ❑ Smoother
- ❑ Smarter
- ❑ Simpler

- ❑ Support Policy
- ❑ Enabled by technology
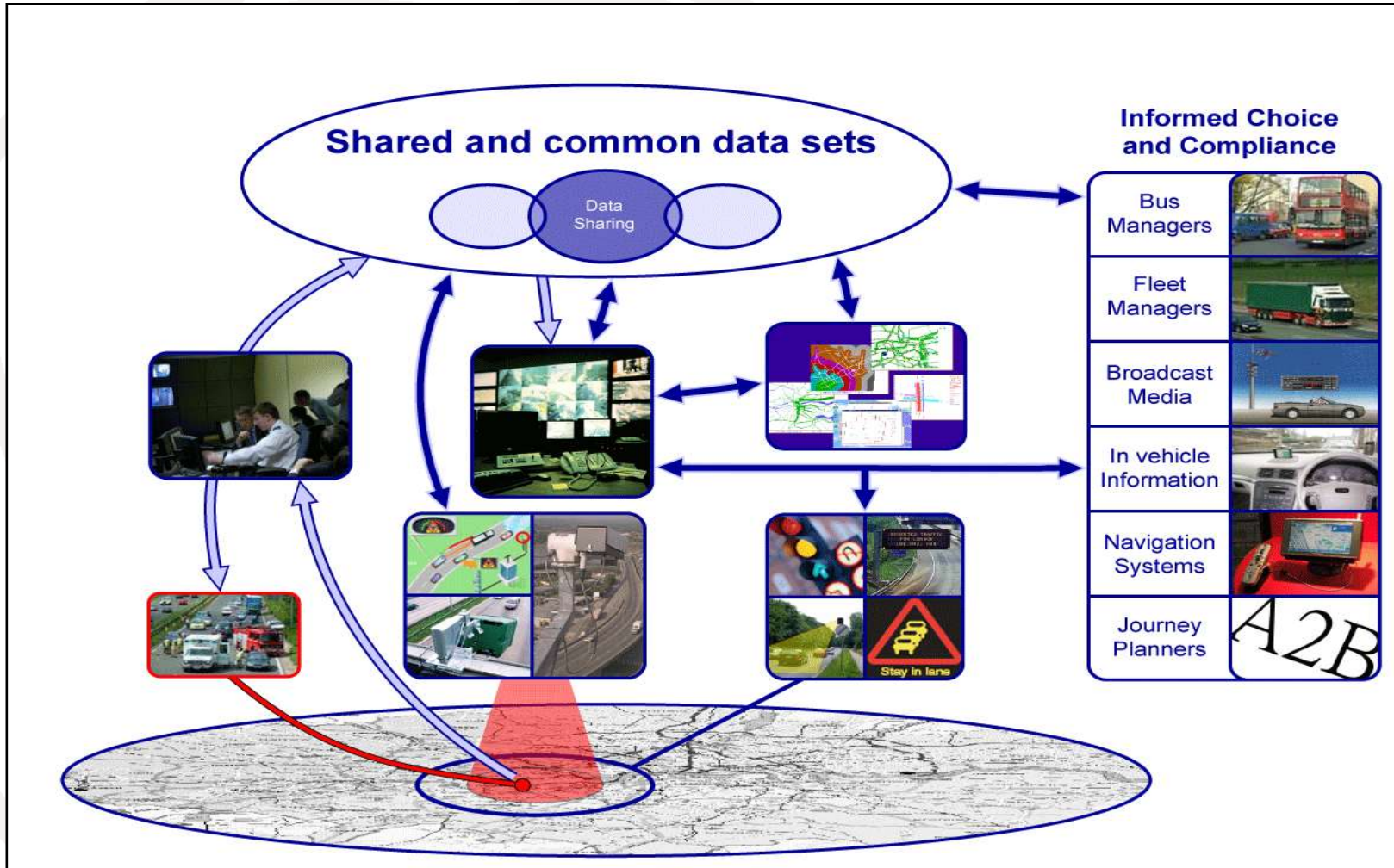- ❑ Capture benefits
- ❑ Work differently

ITS Development

- 2634 BC Chinese Chariot
- 1760 H4 Longitude (John Harrison)
- 1844 Samuel Morse
- 1857 Elisha Graves Otis
- 1912 New York Heat wave (1200 horses)
- 1973 Job Klijnhout (AID)
- 1983 Korean Airlines (269 killed)

Capture once use many

Satisfying expectations

Useful information depends on:

- Data sources
- Data processing
- Data management
- Dissemination

- Operational agreements
- Standards
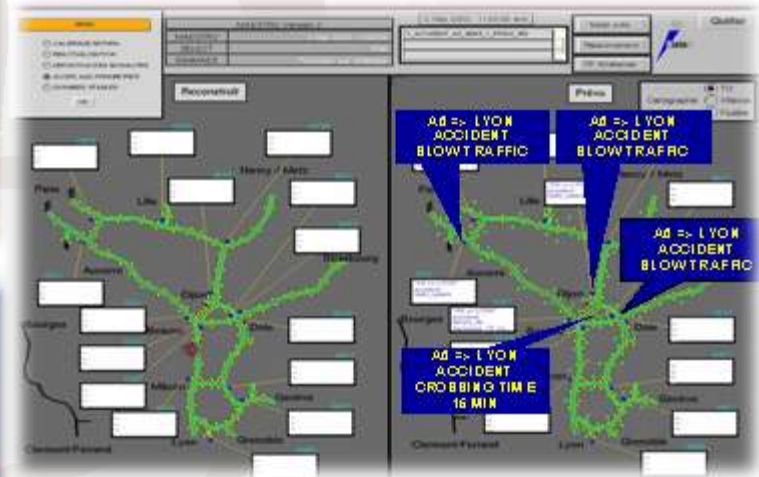- Level of service
- Accuracy
- Timeliness
- Confidence

Data Collection

Traffic control and information

Public Transport information and payment

Smart Logistics

Road tolls, Congestion or Road User Charging

Changing situation

❑ Twitter in India, heavy rain in Mumbai (July 2009)
❑ Facebook, volcanic ash flight disruption (April 2010)
❑ Australian floods (January 2011)
❑ Crowd sourcing and smart phones

Directions forward

- ❑ Establish a transport and ITS strategy
- ❑ Organise to serve the traveller
- ❑ Set and pursue policy and business outcomes
- ❑ Robust vehicle owner databases and legal procedures
- ❑ Automate to reduce fraud
- ❑ Make transactions secure, fair, simple and transparent
- ❑ Exploit new thinking (social media, PPP, smart phones)
- ❑ Capitalise on technology (cloud, shared services, SaaS)
- ❑ Cooperate across jurisdictions to save money and improve efficiency

Thank you for your interest

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15 Million roadway violations processed

4 Billion dollars in toll collected annually for our clients

1100 Enforcement Cameras

35 Countries use Xerox solutions in transportation

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40 Percent of the busiest airports in the USA rely on Xerox parking technology

37 Billion dollars public transport fare transactions processed annually

50 Percent of all US electronic toll collection processed

100 Million plus public transport tickets processed daily