

## REAL-TIME DATA INPUTS



CITIZENS



TRANSPORT SYSTEMS



MOBILE DEVICES & OPERATORS



VALUE ADD DATABASES



SENSOR OVERLAY



BUILDING MANAGEMENT SYSTEMS

## RAW DATA

City context  
Events

Route  
Location  
Journey duration  
Nr passengers

Location  
Usage patterns  
Services accessed

Air quality - CO, Nox  
Noise  
Water quality  
Earth movement

Resource flows  
Resource leakage  
Loss locations  
Time between failure

Air temperature  
Wind speed & direction  
Humidity  
Precipitation

Occupancy  
Resource usage

## INFORMATION

Spatial & social usage  
patterns

Transport system  
movement patterns

Construction  
programme reporting

Citizen health

Environmental  
monitoring

Resource consumption

## BENEFIT

Improved city  
accessibility

Social / cultural  
inclusion

Improved sales  
capability

Risk reduction

Cost efficiencies /  
effectiveness

Environmental targets

Reduced resource  
dependency