

# IBM Smart Cities Agenda: The Solutions for More Competitive, Effective and Efficient Cities

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## Smarter Cities: a response to global demand



#### ACCELERATING GLOBALIZATION

Countries and societies are becoming more economically interdependent across social, political and cultural boundaries, as illustrated by current economic conditions.



#### **EVOLVING SOCIETAL RELATIONSHIPS**

Today, governments are expected to deliver results and value through secure, private services that are available anywhere at any time.



#### EXPANDING IMPACT OF TECHNOLOGY

The adoption of the Internet is remaking the landscapes of business, healthcare and government.



#### CHANGING DEMOGRAPHICS

Median ages are rising in the developed countries of Italy, Germany and Japan, but dropping in developing ones such as India.



#### **RISING ENVIRONMENTAL CONCERNS**

Societies and governments are becoming more attuned to what the earth can provide and what it can tolerate.



#### **GROWING THREATS TO SOCIAL STABILITY** AND ORDER

From terrorism to armed conflict to pandemics to natural disasters, the character of threats is changing.

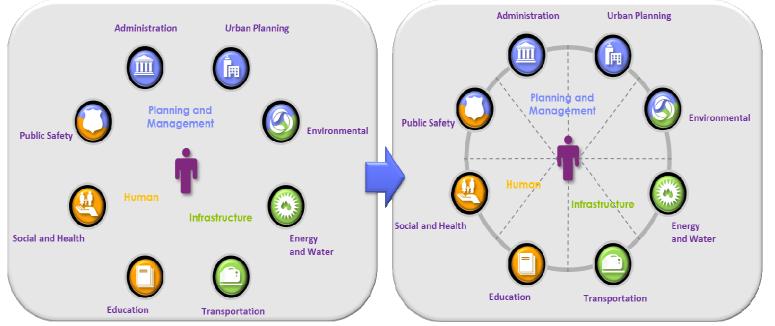
Citizens Demand	Security	Convenience	Opportunity	Prosperity	
Leaders Deliver	Walls, Roads	Water, Energy	Jobs, Education	Lifestyle, Culture	
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Pike Research

## A Smarter City ...

.....one that *integrates technology* into a strategic approach to sustainability, citizen well-being, and economic development ....... but also stressing the importance of integration and interaction across multiple domains.



21<sup>st</sup> Century Government: Integrated across Multiple Domains



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## A Smarter City ...

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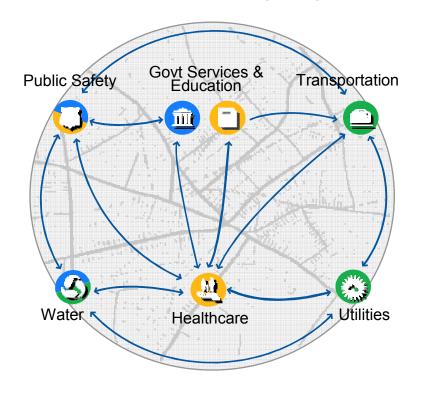
*has moved from...* Reactive to Predictive to Proactive: Applying advanced analytics and industry expertise at all levels of the organization to more precisely predict - and continuously act on - risks and *opportunities*.

Reactive	<b>Real time</b>	Predictive		Proactive	
Fixing what <i>happened</i>	Reacting faster to what happens	Understanding what could happen	/	Managing away the risk or the event	





## Smarter: leveraging the information advantage



Leveraging information to make better decisions

**Engaging People** to co-define (even co-produce) "what's important"

**Coordinating** resources and processes to operate effectively

Anticipating problems to resolve them proactively and manage risk

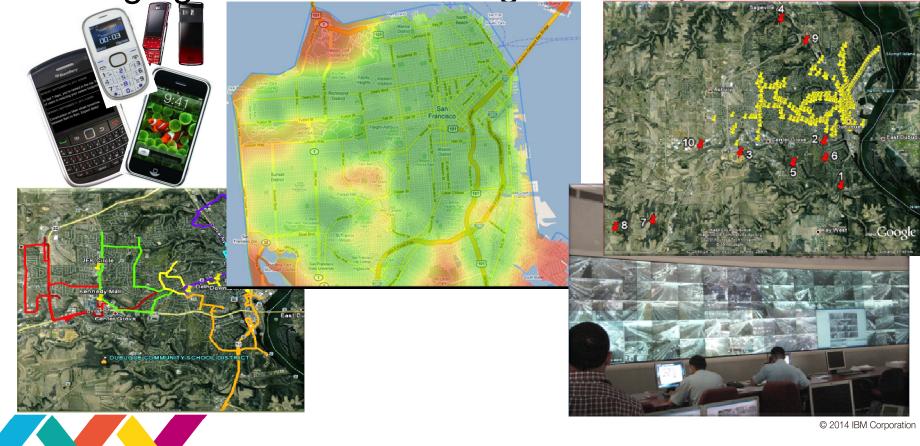
## So What does a Smarter City Looks like?



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## Leveraging Information: Intelligent Transport

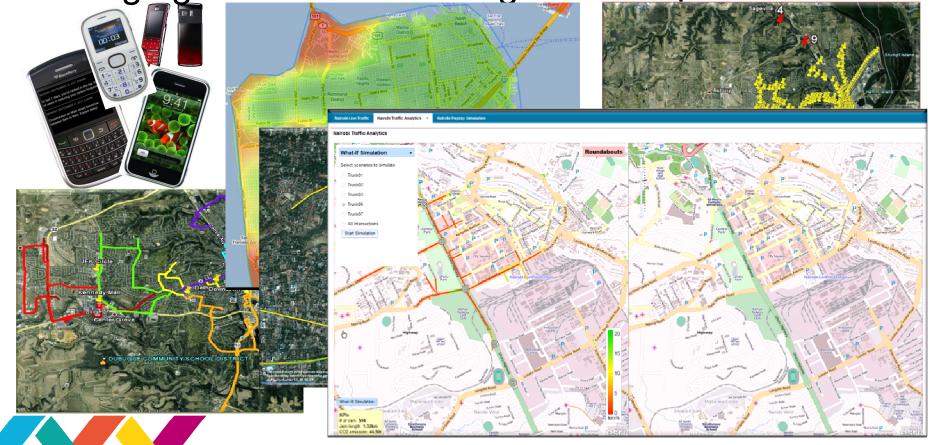




## Leveraging Information: Intelligent Transport



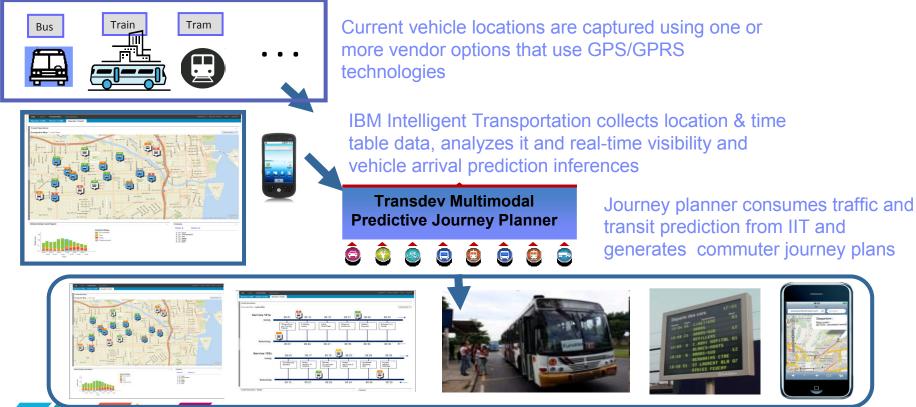
## Leveraging Information: Intelligent Transport



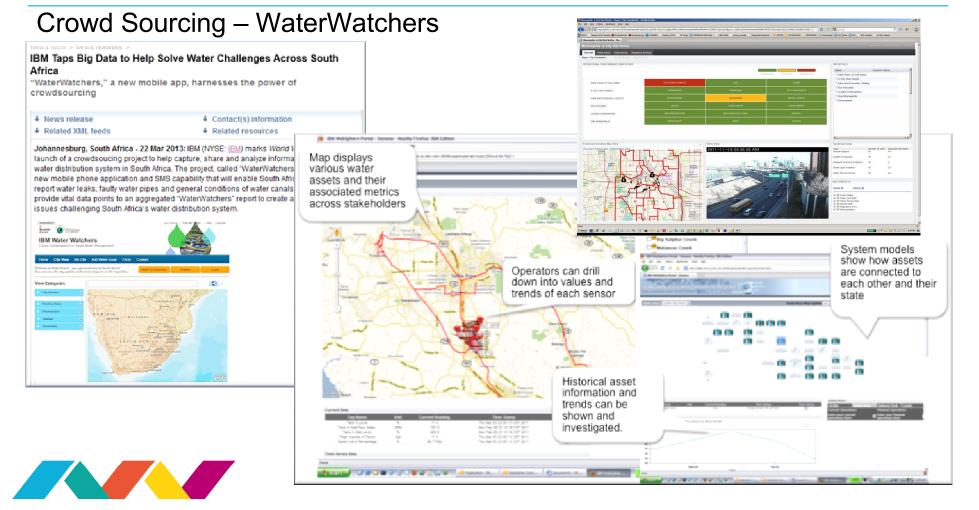
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## **Smarter Transit Operations**



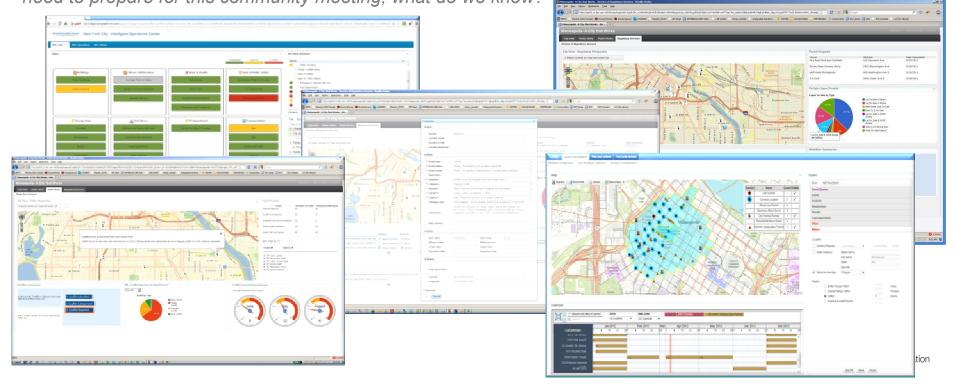
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## City Planning and Operations: Driving Delivery to meet SLAs

**What:** Provide the information all staff in the city use to manage to City KPIs and deliver the commitments in the City IDP. For example: What are we always failing our Traffic Management KPIs? I need to prepare for this community meeting, what do we know?



## Intelligent Law Enforcement



Smarter Law Enforcement Apply advanced technologies and analytics to provide a force multiplier, reducing system and operations costs and enhancing the citizen experience.

**COMMAND & OPERATIONS** Common Operational Picture Crime Trend Analysis & Decision Support Predictive Analytics, Operational Performance





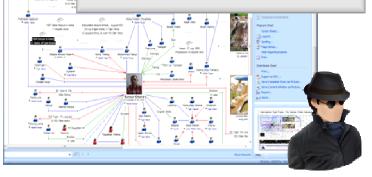
TACTICAL LEAD GENERATION Solve crimes quicker by putting the right information, in the right hands, at the right time, in the right form



CROSS ORGANIZATIONAL SYNERGIES Emergency Management, Social Programs Urban Planning, Mayor's Dashboard

#### **INTELLIGENCE ANALYSIS**

Who, What, When, Where. Analyze entities, networks and events, timelines

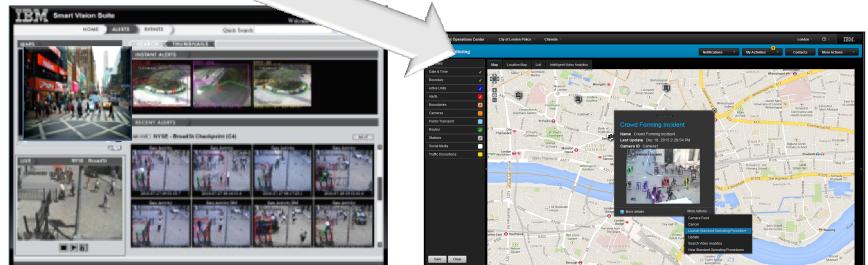


### Making Sense of information - Video Analytics

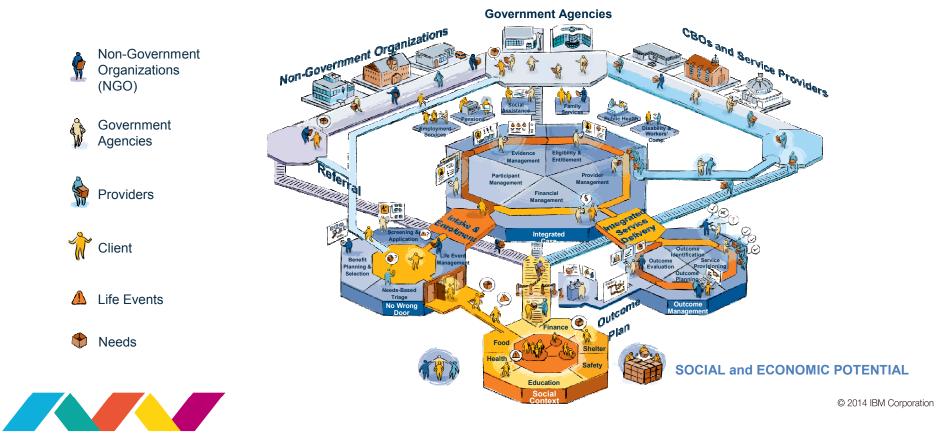


Define areas in a field of view to monitor and for which specific events, alerts (loitering, object removed, deposited and analytics for attribute capture. Store Metadata for later search (find all Blue cars in this period)





### Needs to Outcomes: Smarter Citizen Services *Maximizing the social & economic return on investment*



TRM

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## **Smarter Citizen Services**





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## Smarter Citizen Services

A 5018 IBM Cúram Outcome Management A Smarter approach to managing **Use Cases** outcomes: Parole Management Child Welfare Manage the full client lifecycle: Assess needs, establish goals, plan for attainment, Disability & Workers Compensation and track progress using evidence-based models. Social & Health Care Coordination Focus on results: Organizations can adopt a client-centric approach to service delivery and focus results rather than focusing on the services available Gain new insight: A comprehensive view of client information enables new insights into client developments and progress WorkCoverSA is a "The WorkCover team is excited about the potential of the Cúram solution provider of disability to help the organization achieve a high standard of service and deliver insurance for 50,000 on the promise of 'the best possible recovery and faster return to work,' WorkCoverSA while achieving new levels of efficiency and transparency." employers in South Better togethe Australia. WorkCoverSA Yvonne Deally, Chief Information Officer, WorkCoverSA

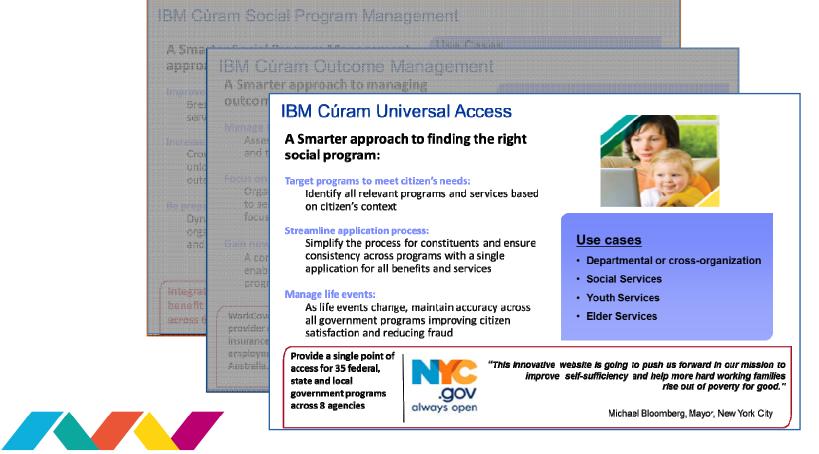


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Contact information on resources that match your needs is provided and you will be able to each for those resources that are of To start a new session of 'I Need Help', plasse cick here.  Community Services I third Street Stammore Computing and the state of the st	R Corran Citizen Corran Citizen Corran Corran Citizen Self-Ser Community Heal Individual Counselling Contact Informat Contact Informat	Curam Citizen Self-Service - Windows Internet Explorer  Create Referral  Creating a referral sends your contact details and message to the provider.  Provider  Community Health Care Centre  Individual Counselling  45, Kingston Rd, Camperdown, Sydney, 2050  Vour Contact Details  Provider may use the contact information you provide to get in contact with you.  required field *  Name *  Address  Home Phone Number  Cell Phone Number  Cell Phone Number	HOME PRINT PLOG IN
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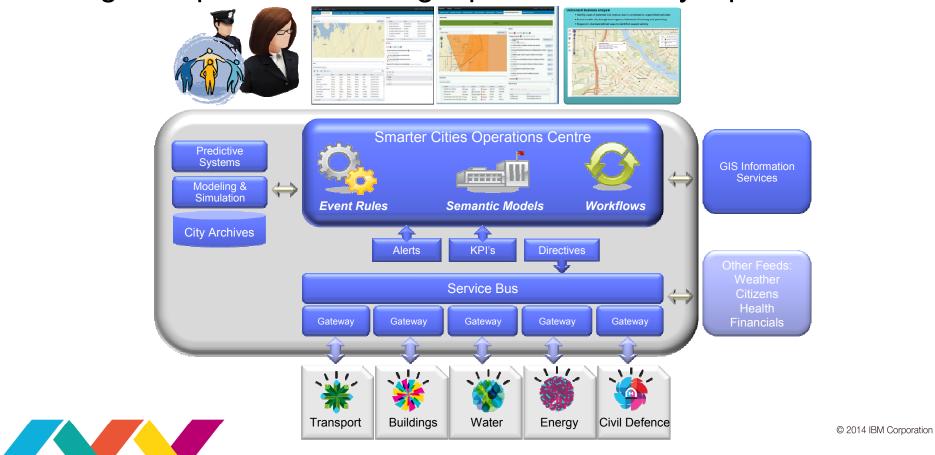
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## Smarter Citizen Services





### Intelligent Operations: A single platform for City Operations



## So What does a Smarter City Looks like?



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