



# Smarter Cities

How Innovative Project Partnerships  
Can Positively Impact Communities

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# Driving the need for smarter cities



Industry Drivers



Community Demands



Municipal Response



Obstacles to Response

# Industry Drivers

## Increasing Populations

- Within the next 35 years, 2/3 of the world's population will live in a city (Source: United Nations Population Fund)

## Aging Infrastructures

- Urbanization places a significant strain on city infrastructure
- Current infrastructure was built for populations 1/2 their current size

## Declining Budgets

- Tax revenues are shrinking in many cities

## Shifting Populations

- Shrinking Cities (New Orleans, Flint, Cleveland, Buffalo, etc.)

# Community Demands



# Municipal Response

Increasing demands placed on public sector leaders drive smarter cities to reengineer processes and more efficiently extend services to their constituents.

- Drive sustainable economic growth
- Design more efficient traffic and transportation systems
- Capitalize on utility enterprise systems
- Commit to enhance public safety
- Make efficient use of natural resources

# Obstacles to Response

Tax revenues are shrinking

Public works projects are increasingly difficult to support

Aging populations

Changing demographics

Increased health care costs and uncertainty

Lack of in-house subject matter expertise (SME)

Reduced state and federal funding

Eroding investment income revenue streams

**Smarter cities are addressing these challenges and taking action now!**

# Evolution to smarter cities



What makes a city?

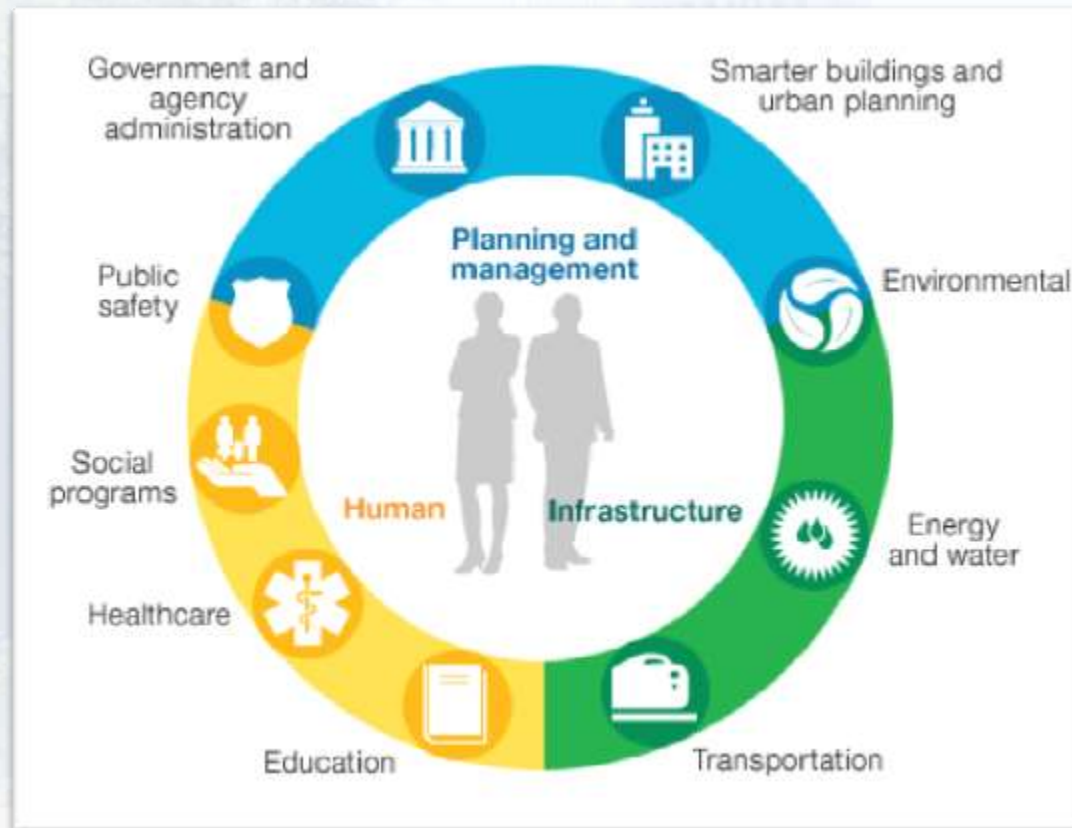


Intelligent Technologies



ESCO's Role

# What makes a city?



Source: IBM

**Infrastructure | Operations | People**



# Intelligent Technologies

*Insightful cities are linking advancements in technology to improving the quality of life while making their community more vibrant and competitive in a global economy*

**Intelligent  
Technologies  
Empower  
Leaders to:**

- Leverage information to make better decisions
- Anticipate and resolve problems proactively
- Coordinate resources to operate more efficiently

# Leverage information to make better decisions

**Itron**

**CISCO**

**Microsoft**

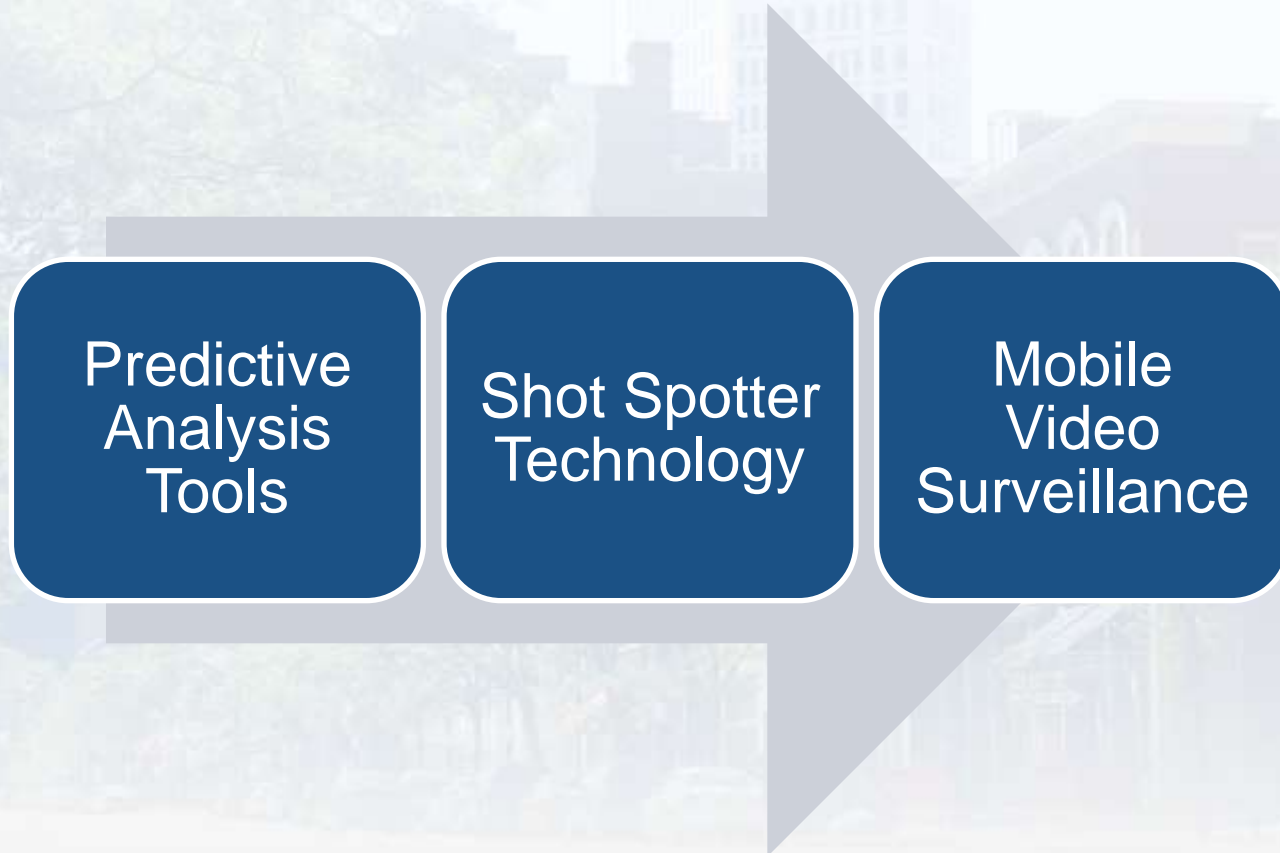
**IBM**

**Google**

**SENSUS**



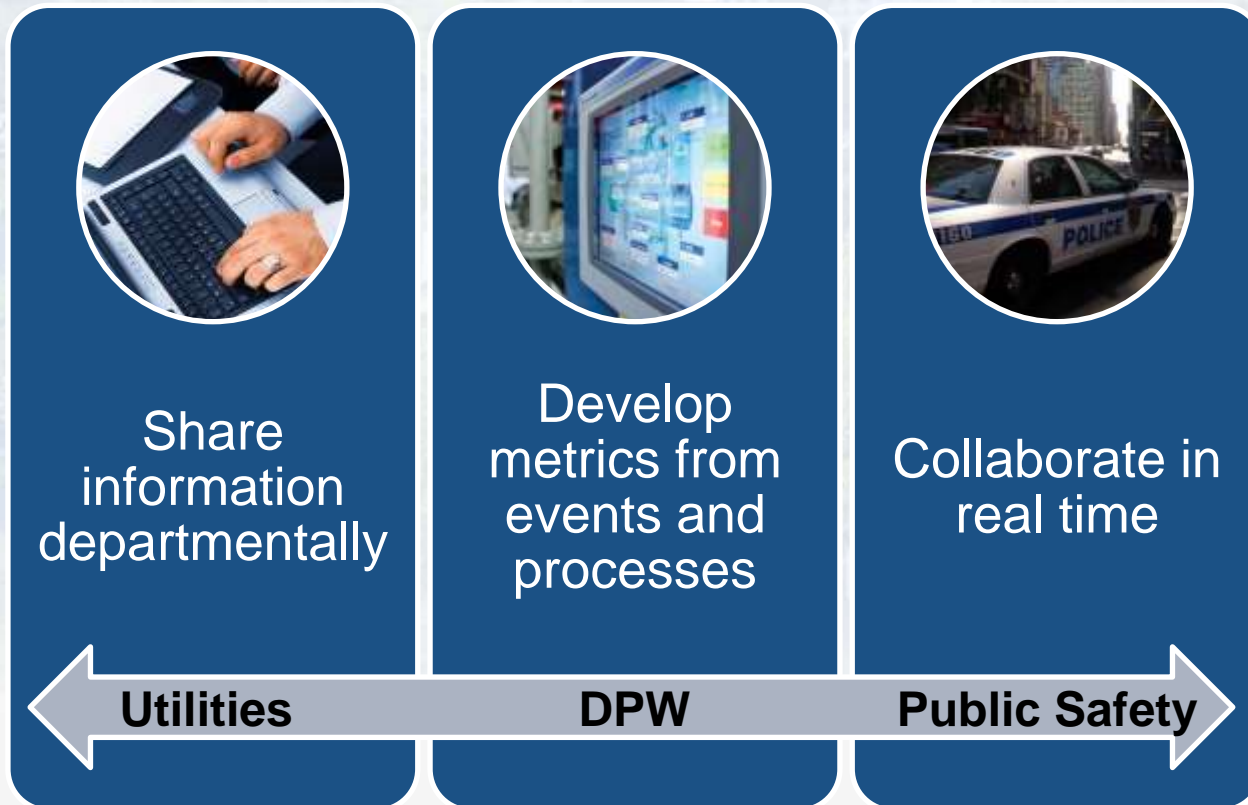
# Anticipate and resolve problems proactively



**Could economic development be tied to a reduction in crime?**

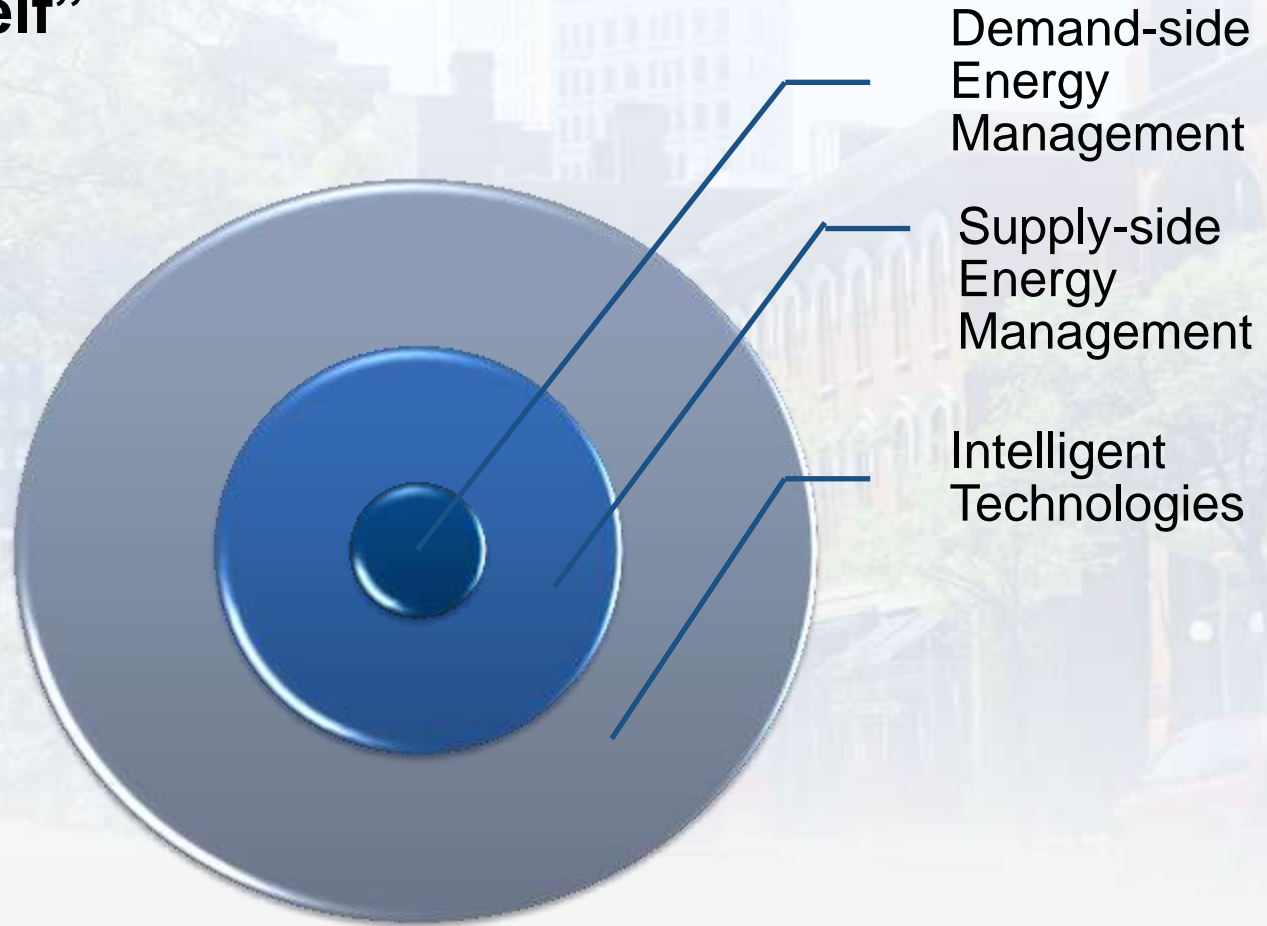
# Coordinate resources to operate more efficiently

A city is an interconnected system of systems



# The ESCO Role

**“Know Thyself”**  
**-Socrates**



# Conclusion

Performance-based  
Technology  
Solutions

Drive economic  
development and prosperity

Freeing up time and  
resources

Alleviate Budget  
Constraints

Create Efficiencies



**Thank You**  
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