Where Physical Meets Digital

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Information is the world’s next natural resource
Technological advances have opened the door for a new order of intelligent infrastructure inside our cities.

In city buildings, thousands of wireless sensors monitor everything from motion and temperature, to humidity, precipitation, occupancy and light.

Sensors, meters and RFID tags are being embedded in cars, roads, pipelines, and the wheels on a train. Analytics tools then sift through the collected information to help cities respond in real time to changing conditions and keep everything running safely and efficiently.

And from central command centers, cities can manage not only their IT and data centers but also physical assets like water mains, office equipment, heating systems, and fire hydrants.
Changing Constructs
The cost of generating value through the Lifecycle

Design Construction
Operation and Maintenance

Business Costs

Business Outcomes

Delivery life cycle
Operational life cycle

Holistic View
Integration Issues we Face

• “Seams”
• Unwind the silos
• Make R&D front burner
• May mean we have to lead differently
  “system think”
  Culture of analytics
  New forms of collaboration and automation
Where Physical Meets Digital

Innovations

Delivery Process

Asset Lifecycle

Automation
• Collaborate to Learn
• Apply to Innovate
• Instrument to Manage
• Integrate to Analyze
• Optimize to Automate
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