



# SPATIALLY CONNECTED GOVERNANCE

**Smart Cities Council India is a working group representing some of the best and brightest companies selling to cities.**

We work with cities and solution providers to understand and educate, to accelerate movement in the industry.

The Council is vendor neutral and technology agnostic, so cities welcome us with open arms.

Our Partners:



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# Connected Governance is the next form of governance that will be *revolutionary, unorthodox and imaginative.*

- It provides unbounded transparency and accountability within governments; and
- Traverses all crevasses of governance through improved information visualisation

Rapid urbanisation, and the need for efficient land management is key to the growth of Connected Governance.

# Applications

## of Spatially Connected Governance

1. Survey grade maps for project planning
2. Improved access to water resources
3. Urban planning for better sanitation
4. Effective decision making & planning
5. Monitoring railway assets
6. Real time crime monitoring
7. Increasing property tax revenue



# Why Spatially Connected Governance?

- Time and cost savings for governments, businesses and private citizens
- Ensure a greater quality of service provision
- Increased transparency for users and the public in general
- Improved performance of economic verticals



# Mumbai: The LIDAR Project

## For State of the Art Property Mapping

*LIDAR (Light Detection and Ranging) is a modern geospatial surveying technology which creates an accurate point cloud allowing more precise measurements.*

1. Creates a unique platform for property tax administration & other smart city applications
2. Ability to map parallel road conditions as well as valuable street furniture assets
3. Better compliance and record data
4. City mapping, road condition assessment and detailed route surveys

# Documenting Land Rights through Technology

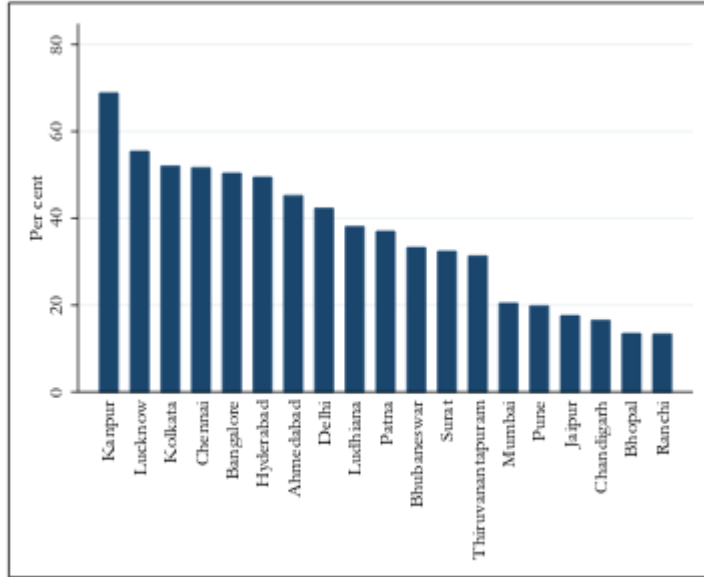
*Thomson Reuters 'Aumentum Open Title' gives communities the tools to protect their land*

1. Aumentum provides land tenure solutions that can handle growth, to rural communities
2. Using GIS and mapping tools, it helps digitize images and link spatial information as displayed on maps for owners and their rights
3. Aumentum helps practitioners conduct a rapid inventory of de-facto land rights and issue documentary evidence attesting to those rights



# The Need for Connectivity: Jaipur

*The Jaipur civic body collects less than 20% of its potential property taxes.*



**Property tax is the primary source of revenue for ULB's**

1. Properties can be recorded through technology, to calculate property dimensions required for computing applicable tax
2. The data collected can be assessed, and used to increase tax revenue collection significantly
3. Data on Jaipur was gathered using satellite imagery from NASA's LANDSAT program & United States Geological Survey

**Source:** ASICS-2015



# Using Drones for Connectivity in India

*An effective tool for planning, management and decision-making*

1. Drones are being used for providing end-to-end services for flood inundation modelling in Guntur, Andhra Pradesh
2. They are used to manage and oversee the road networks and repair projects in Karnataka
3. The Government of Haryana is using drones to create digital maps for land records

*Drones have the potential to survey crops, deliver medicine, detect pipeline leaks etc., making it a valuable tool for connected governance.*



## Challenges

1. Lack of awareness of technological solutions
- 2. Lack of trained geospatial manpower**
3. Frequently changing technological and project requirements
- 4. Privacy concerns**
5. The inadequacy in India, of turning gathered data to useful information



## The Augmented Reality Future

**Eg. Infrastructure projects created and modified through citizen participation**

Augmented Reality allows citizens to view projects in 3D from their smartphones, and assess their viability and impact on their lives and environment.

Ultimately, citizens make a collective decision on the daily management of their city and their lives.

**A new way of connected living and governance!**

Smart**Cities**Council **India**  
LIVABILITY | WORKABILITY | SUSTAINABILITY

Presents

# SM@RT URBANATION

## CONVENTION AND EXPO 2018

March 22-23, 2018 | HICC, Hyderabad, India

Host State



Govt. of Telangana

Smart State



Govt. of Karnataka

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# ABOUT SMART URBANATION



Smart Urbanation is India's leading platform for government and private stakeholders to debate, deliberate, dialogue and derive decisive ways to outline India's urban reality and future strengthened with a technological revolution.

It is an initiative by 'ASAPP Info Global Group' in partnership with the 'Smart Cities Council India', a global consortium of government and private stakeholders that aims to be a crucible for resources, initiatives, updates and achievements in this space. Here is a brief [video](#).

## SUMMIT TRACKS

INTERACTION WITH SMART CITIES  
LAUNCH OF 100 SMART CITIES GUIDE BOOK  
CITYSCAPES - LAYING THE FOUNDATION  
DIGITAL INDIA - UNLOCKING BIG BENEFITS  
SMART CITIES READINESS WORKSHOP  
FINANCING THE SPV'S

BUILDING GREENFIELD SMART CITIES  
WASTE AND WATER MANAGEMENT  
SMART ENERGY  
SMART PROJECT AWARDS  
SPV CEO AWARDS  
INNOVATION HUB AWARDS

# SUPPORTING ORGANIZATIONS





**THANK YOU**