



3rd Annual Conference on

# SMART CITIES IN INDIA

New Initiatives and Plans: Issues and Opportunities

October 15-16, 2014, The Imperial, New Delhi

Organisers:



POWERLINE

Smart Utilities

Sponsors so far\*:



Schneider  
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\*Lead and Co-sponsorship slots are still available

# SMART CITIES IN INDIA

## Mission

- The union government has unveiled an ambitious plan to build 100 smart cities in India.
- A smart city uses technology to deliver civic services efficiently. Technology enables the integration of government departments, planning processes, information from various sources, etc., and the creation of an intelligent and interconnected network of infrastructure services.
- The government's seriousness in delivering on its promise is reflected in the Rs 70 billion set aside in the Union Budget 2014-15 for the development of smart cities. The government will focus on making the existing cities smarter and developing new satellite towns.
- This plan has spurred significant global interest in the last couple of months. International technology firms are submitting proposals to local governments, bidding for projects and collaborating with real estate developers to build greenfield digital cities. Singapore has offered to replicate its Tianjin Knowledge City model, a Sino-Singapore collaboration, in India. The UK government has extended a £1 billion credit line to help British companies exploit the opportunity. India has also sought Japan's investment in building these 100 smart cities.
- The state governments are also not far behind. Odisha has already submitted a proposal to the central government to cover 10 cities under the 100 Smart Cities' plan. The Gujarat government has started preparing a new policy framework and road map for developing the existing cities into smart cities.
- Several initiatives have already been taken for smarter management of Indian cities. The government's National e-Governance Plan is aiding urban governance. Smart grid pilots in Bengaluru, Mangalore and Mysore are under way, and 13 others have been approved. Advanced communications systems, using next-generation technologies and optic fibre networks, are being deployed. A few cities are also exploring intelligent transportation systems to manage traffic congestion and integrated fare collection systems. There is an increasing focus on smart buildings, ensuring energy efficiency, safety and security.
- In addition, many pilot smart city projects such as the Gujarat International Finance Tec-City, Kochi Smart City, Lavasa, Electronics City, and Palava are being developed through private sector participation. Meanwhile, planning for seven new smart cities under the Delhi-Mumbai Industrial Corridor has been under way for the last few years.
- India is urbanising rapidly. By some estimates, over half of India's population will live in its cities by 2030. This figure will cross 70 per cent by 2050. Smart city development is critical to managing this growth.
- Building new cities and upgrading existing ones are fraught with challenges pertaining to integrated master planning, political alignment, financing and stakeholder management. An enabling policy framework and better alignment of government agencies between and within all levels will be required.
- **The mission of this conference is to highlight the opportunities in smart cities, discuss the challenges, examine implementation strategies and showcase technologies. The conference will also present noteworthy global initiatives and projects.**

## Target Audience

- The conference is targeted at:
  - Urban local bodies and related government agencies
  - Policymakers and regulators
  - Infrastructure development organisations
  - State housing development agencies
  - Power distribution utilities
  - Water distribution utilities
  - Urban planning and development agencies
  - Urban transport operators
  - Disaster management agencies
  - IT solution providers and technology providers
  - International and national development agencies
  - Communication service/equipment providers
  - Green building solution providers
  - Intelligent traffic/transportation systems providers
  - Smart grid technology/equipment providers
  - Meter manufacturers
  - Security and safety equipment providers
  - Financial institutions and investment agencies
  - Energy management consultants
  - Construction firms and contractors
  - Consulting and legal firms
  - Etc.

## AGENDA/STRUCTURE

### KEY TRENDS AND OUTLOOK

- ❖ What are the key trends in smart city development – globally and in India?
- ❖ What are the key issues and challenges?
- ❖ What are the market drivers? What is the outlook for India?

### KEYNOTE SESSION: GOVERNMENT PERSPECTIVE

- ❖ What is the centre's plan for developing new smart cities?
- ❖ What are the project details, timelines and development model?
- ❖ What will be the opportunities for private players?

### DMIC AND SMART CITY DEVELOPMENT

- ❖ What is the current status of the smart cities being developed along the DMIC?
- ❖ What is the development model? What are the opportunities for private players?
- ❖ What are the key issues and challenges?

### MASTER PLANNING FOR SMART CITIES

- ❖ What are the various urban planning strategies for creating smarter cities?
- ❖ What are the global best practices in planning and developing smart cities?
- ❖ Which of these practices are most relevant to Indian needs?

### FINANCING SMART CITY INITIATIVES

- ❖ What sources of finance are available for cities to deploy smarter technologies and to develop new smart cities? What are the barriers to investment?
- ❖ What are the opportunities for public-private partnerships?

### SMART MOBILITY

- ❖ What are the initiatives taken by cities to develop smart transportation systems?
- ❖ What are the available technology solutions for intelligent mobility?
- ❖ What are the key issues in the deployment of intelligent transport solutions?

### SMART ENERGY NETWORKS

- ❖ What are the available smart grid technology solutions?
- ❖ What has been the experience of pilot smart grid projects in India? What are the planned smart grid projects in the country?
- ❖ What new business models and regulatory changes are necessary to facilitate smart grid development?

### SMART WATER SYSTEMS

- ❖ What role can smart technologies play in ensuring reliable water supply?
- ❖ What are the available technologies for a smart water system?
- ❖ What has been the experience so far? What are the key issues and challenges?

### COMMUNICATIONS NETWORK REQUIREMENTS

- ❖ What are the key elements of a smart communications network? In particular, what is the role of cloud computing in a smart city?
- ❖ What are the various deployment models? What is the cost of deploying these network models?
- ❖ What is the scope of mobile payments and near field communication in India?

### ICT INFRASTRUCTURE

- ❖ What role does ICT play in governance? What are the available solutions?
- ❖ What are the various e-governance initiatives taken by Indian cities?
- ❖ What have been the key issues and challenges?

### SMARTER BUILDINGS

- ❖ What are some of the key initiatives taken in India to develop smarter buildings?
- ❖ What are the technology solutions available in the market?
- ❖ What are the global best practices? Which of these are relevant to Indian needs?

### DISASTER MANAGEMENT

- ❖ What is the smart city infrastructure required for effective disaster management?
- ❖ What has been India's experience?
- ❖ What are the future plans of the union and state governments?

### SAFETY AND SECURITY

- ❖ What has been India's experience in the deployment of safety and security systems? What are the key issues and challenges?
- ❖ What are the technology solutions available?

### SMART SOCIAL INFRASTRUCTURE

- ❖ What are the key elements of smart social infrastructure (education, health, etc.)?
- ❖ What are the technologies available in the market?
- ❖ What are the key initiatives taken in India?

### PROJECT SHOWCASE: INDIAN INITIATIVES

- ❖ What are some of the upcoming smart city projects in India?
- ❖ What are the issues and challenges faced by these projects?
- ❖ What lessons can be learnt from these projects?

### GLOBAL PROJECTS AND INITIATIVES

- ❖ What are some of the noteworthy smart city projects?
- ❖ What have been the key issues and challenges? What lessons can India learn?
- ❖ What are the recent global advances in technologies for building smarter cities?

## Previous participants

The companies that participated in our previous conference on "Smart Cities in India" included: A One Buildhome, Accenture, Ahmedabad Municipal Corporation, Autodesk, BESCOM, Bhatpara Municipality, Bharti Realty Holdings, BHEL, Bodhtree Consulting, CE Info Systems, Cisco Systems (India), CRISIL, Deloitte, DMICDC, Egis India, Eldeco Housing & Industries, ESDS Software Solutions, Ferranti Computer Systems India, Fichtner Consulting Engineers (India), Fortune Institute of International Business, GE India, Ghaziabad Development Authority, GIFT, GTL, Happiest Minds Technologies, Hitachi, IBM, IGL, IIFCL, IL&FS Township & Urban Assets, India Smart Grid Forum, Indian Institute of Science, Indra Sistemas India, Ingersoll Rand Climate Solutions, Intergraph SG&I, IREQ, ITC Hotels, Jaiprakash Associates, JUSCO, Kotak Securities, Lavasa City, LEA Associates, Mahindra Reva Electric Vehicles, Maharashtra Industrial Development Corporation, Microsoft, Ministry of Urban Development, NDMA, NIDM, National Instruments, Naya Raipur Development Authority, NDMC, NRDC, Oracle India, Orga Systems, Pimpri Chinchwad Municipal Corporation, PwC, Probita Soft, Prointec India, School of Planning & Architecture, Siemens, Smart Grid Task Force, Gol, Symbiosis Centre for Management and Human Resource Development, Tamil Nadu Housing Board, Tata Communications, Tata Housing, Tata Realty and Infrastructure, TCIL, Unified Traffic and Transportation Infrastructure (Planning & Engineering) Centre, UP Housing & Development Board, URS Scott Wilson, Wärtsilä and Wave Infratech.

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### Registration Form

I would like to register for the conference. I am enclosing Rs \_\_\_\_\_ vide cheque/demand draft no. \_\_\_\_\_ drawn on \_\_\_\_\_ dated \_\_\_\_\_ in favour of **India Infrastructure Publishing Pvt. Ltd.** payable at New Delhi.

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### Registration Fee

Delegates	One	Two	Three	Four
INR	22,500	37,500	52,500	67,500
Service tax (12.36%)	2,781	4,635	6,489	8,343
<b>Total</b>	<b>25,281</b>	<b>42,135</b>	<b>58,989</b>	<b>75,843</b>
USD	505	845	1,185	1,525

- There is a special low fee of Rs 5,000 plus 12.36 per cent service tax per participant for urban local bodies, academic and research institutions, and government departments (excluding corporations, public or private).
- **Registration will be confirmed on receipt of the payment.**
- **To register online, please log on to <http://indiainfrastructure.com/conf.html>**

#### Payment Policy:

- The conference is a non-residential programme.
- Full payment must be received prior to the conference.
- Conference fee includes lunch, tea/coffee and conference materials.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

### Organisers

The conference is being organised by **India Infrastructure Publishing**, a company dedicated to providing information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes **Indian Infrastructure**, **Power Line**, **Renewable Watch**, **tele.net** and **Smart Utilities** magazines. It produces a series of reports on sectors like power, water, telecommunications, urban transportation, etc.

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