2nd SM@RT CITIES
SUMMIT 2015
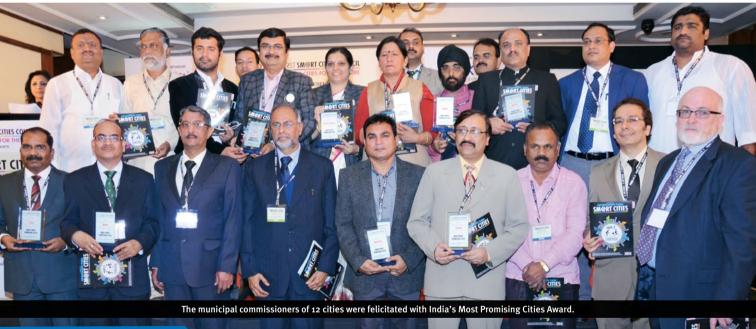
After a successful first edition in Mumbai last August, the 2nd edition of the Sm@rt Cities Summit was held at India Habitat Centre, New Delhi, on February 17-18, 2015.

Organised by FIRST Sm@rt Cities Council, the two-day summit aimed to bring all stakeholders under one roof for an impressive exchange of ideas with the theme, Smart Cities: From Concept to Reality. Supported by the Ministry of Urban Development and National Institute of Urban Affairs, the summit featured policymakers, civic chiefs, industry leaders and smart cities captains from across the world.

In his welcome address, **Pratap Padode, Chairman, FIRST Sm@rt Cities Council,** set the tone for the day. He emphasised upon the need for smart cities, affirming: "We don't want the demographic dividend to be lost." The inaugural session also witnessed the unveiling of the Smart Cities Summit Handbook by FSCC and Ernst and Young. This was followed by the keynote address by **Philip Bane, Executive Director, Smart Cities Council, USA.** "We have to accept cities as they are," he said, underlining that "cities are similar, but not the same." He further added, "Urban India will contribute 75 per cent of GDP in the next 15 years and we have to look beyond the conventional use of resources."

The municipal commissioners of 12 cities were felicitated with India's Most Promising Cities Award.

DAY 1

India's Most Promising Cities Award

The municipal commissioners of 12 cities were felicitated with India's Most Promising Cities Award for promoting smart and innovative development in India. These cities included **Surat, Nagpur, Vadodara, Thane, Kanpur, Kalyan-Dombivli, Nashik, Bhopal, Indore, Visakhapatnam, Chandigarh** and **Ludhiana.**

> Smart practices do not have to be tech-dependent.
> - **Pratap Padode,** Chairman, FIRST Sm@rt Cities Council

> In Europe, 'The Humble Lamp post' project uses the lampost as a network tool for wifi, CCTV and uses motion sensor to save energy.
> - **Philip Bane,** Executive Director, Smart Cities Council, USA

FIRST SM@RT CITIES COUNCIL
SHAPING CITIES FOR THE FUTURE
PRESENTS

Sabrina Coccia, International Expert, Smart Cities (Paris), presented a case study: Smart Cities, Why Strategy Comes First. ▶

Inaugural Session: *(L-R)* Vikas Aggarwal, Director, Ernst & Young; Pratap Padode; Dr Sudhir Krishna, Former Secretary, Ministry of Urban Development; Philip Bane; Dinesh Goyal, Managing Director, SKIL Infra.

Session 1

The **Beyond Concept…Towards Reality** session focused on the Government's plan to develop smart cities with focus on upgrading and updating current cities and addressing challenges in executing the smart vision. Moderator **Jaijit Bhattacharya, Partner, KPMG**, said on an opening note: "The government and private developers have to come together, else smart cities will be a daunting task."

(L-R) Jaijit Bhattacharya, Partner, KPMG; Shaishav Dharia, Director, Lodha Palava; Sachin Sharma, President, Wave City; Martin Rama, Chief Economist for South Asia, World Bank; Jalaj Srivastava, Chairman, New Delhi Municipal Corporation (NDMC).

(L-R) Ajay Pradhan, Managing Director, CH2M Hill; Jayesh Ranjan, Commissioner of Industries, Telangana; AK Jain, Architect & Town Planner; Margaret Boethig, Director, gmp architect (Germany); Ar Rajiv Khanna, Founding Principal and Director, RKAPL-India and PN Rao, Founder Director, Urban Development Research Institute.

Session 2

The **Urban Planning** for smart cities in India session focused on technological innovations to support planning and execution of smart city projects.

Session 3

The next session, **Smart Technology**, focused on ICT infrastructure and the need to integrate a city with urban solutions to make it smarter with citizen participation.

(L-R) Akshya Singhal, Director, Advisory Services, Ernst & Young; Aamer Azeemi, Managing Director, CISCO; Pradipta Sen, President, Emerson and Dr Sumit Chowdhury, Founder, GAIA Smart Cities.

Michael Mulquin, Director, IS Communication (Global Standardisation Expert, UK), presented the global standards for smart cities and explained how India can adapt to these. ▶

DAY 2

(L-R) Shailesh Pathak, Executive Director, Bhartiya Group and Vince Berkhout, Director, Aecom.

Session 1

Day 2 commenced with the **Round Table**, where challenges faced by private players were highlighted and solutions to overcome these were discussed.

Session 2

Smart technologies come with a price tag, and financing smart cities is a big unanswered issue in India. The **Smart Finance**: Raising Finance & Role of FDI for Developing Smart Cities session focused on the various finance models available for smartening up existing cities.

(L-R) Kavan Mukhtayar, Sr Partner, Frost and Sullivan; Palash Srivastava, Director, PPPI & Programmes, IDFC; NDS Chari, Director, SREI + BNP Paribas; KK Gupta, Director, Resurgent India Ltd; Rajeev Mukhija, CGM, IIFCL and Ravi Poddar, Director, CRISIL.

(L-R) Mayur Toshniwal, Co-Founder & CEO, AllGreen Ecotech Solutions; Dr Amarjeet Singh, Head, Technology, Zenatix Solutions; Sarfaraz Momin, Founding Partner, Urban Designer, Studio POD; Alar Võrk, CEO, Cityntel; Sabrina Coccia for Vulog and Pratap Padode.

Session 3

The **Smart Cities Start-Up Innovation Showcase** session offered a hitherto-unseen platform for start-up companies to present their unique services to fulfil the vision for futuristic cities. Zenatix presented its smart energy solutions, followed by NER Group (Singapore) on smart technology, Vulog (Paris, Europe) on smart mobility, Studio POD on smart urban planning, Cityntel (Estonia, Europe) on smart streetlight control, and Allgreen Ecotech Solutions on energy efficiency.

Session 4

In the face of smart transformation, utilities hold the key to smart savings as energy is required for just about everything that is operational in the city. This session focused on **Smart Energy**.

(L-R) Shuvendu Bose, Senior Consultant, Ernst and Young; L Nagahari Krishna, Director, Danfoss; Amol Sawant, Business Analyst, ISGF; Satish Kejriwal, Principal Consultant, Tech Mahindra and Aseem Goyal, Head-New Business & Strategic Project, Panasonic.

The summit has taken us forward in our quest to make cities smarter.
- Dr Sudhir Krishna

Session 5

Also, with growing and expanding cities, mobility needs to be planned in a smarter way to be more efficient, reliable and green. The session on **Smart Mobility** focused on solutions and intelligent transport systems.

(L-R) Vince Berkhout, Director, AECOM; Umang Jain, Director, EMBARQ; Sanjeev Thukral, Country Director, Steria; Sudesh Kumar, Team Leader-Sustainable Urban Transport, Mott MacDonald; Apurba Dhar, Director, Veolia Transport RATP and Sabrina Coccia.

(L-R) Pawan Mathur, Director, Itron; Mehanaz Ansari, USTDA Representative, Trade Finance Centre Embassy of USA; Vineeta Shetty, The SmartCitizen Org; Rahul Chhabra, Vice President, NSWAI; TR Rao, Chairman & CEO, STEPS Energy and Prabhajit Kumar Sarkar, Vice President, India Power Corporation.

Session 7

The last session of the day, Smart Governance, focused on the government challenges for smart cities. **T Chatterjee, Director, Indian Institute of Public Administration,** stated, "We must reduce the city-village divide geographically." On a concluding note, conference chair **Dr Sudhir Krishna, Former Secretary, Ministry of Urban Development**, delivered the valedictory address.

(L-R) Vikas Kanungo, Chairman, SPEG; T Chatterjee, Director, Indian Institute of Public Administration; Dr Sudhir Krishna; Dr Marek Wosinski, President, SusTranCon; Dr Charu Malhotra, Assistant Professor, Indian Institute of Public Administration.

In conclusion

With powerful and dynamic speakers and an august audience, the Summit was a smart two days of networking, conversation and knowledge-building about smart cities and opportunities in India. Although building a smart future will not be challenge-free, the Summit made it evident that we have the will to push forward.

Session 6

The session on **Smart Utilities** highlighted the need for 24/7 uninterrupted supply of electricity and water along with effective waste management for citizens and industries operating within the city. The session also focused on smart power grids and streetlights, smart utilities for innovative cities, and public emergency and city services for emergencies and security.

Day 1 (February 17, 2015)
Inaugural session
Session 1: Beyond Concept... Towards Reality
Session 2: Urban Planning for Smart Cities in India
Session 3: Smart Technology
Presentations:
• Global Standardisation for Smart Cities and How India Can Adapt to the Standards
• Smart Cities, Why Strategy Comes First?

Day 2 (February 18, 2015)
Session 1: Round Table
Session 2: Smart Finance: Raising Finance & Role of FDI for Developing Smart Cities
Session 3: Smart Cities Start-Up Innovation Showcase
Session 4: Smart Energy
Session 5: Smart Mobility
Session 6: Smart Utilities
Session 7: Smart Governance

Start-Up Innovation Showcase presentations on Day 2 sessions
SMART ENERGY: Zenatix
SMART URBAN PLANNING: Studio POD
SMART TECHNOLOGY (innovative bottom-up approach to smart cities): NER Group (Singapore)
SMART STREETLIGHT CONTROL: Cityntel (Estonia, Europe)
SMART MOBILITY: Vulog (Paris, Europe)
ENERGY EFFICIENCY: Allgreen Ecotech Solutions