

Two Conferences on Smart Cities

A VIRTUAL CONFERENCE

SMART MOBILITY

Initiatives and Opportunities;
New Technologies and Best Practices

October 8, 2020



A VIRTUAL CONFERENCE

COMMUNICATION INFRASTRUCTURE AND APPLICATIONS FOR SMART CITIES

Progress, Potential, New Technologies
and Future Outlook

October 9, 2020

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SMART MOBILITY

Mission

- One of the core infrastructure elements of the Smart Cities Mission (SCM) is smart urban mobility and public transport. The mission identifies three key points for efficient urban mobility – smart parking, intelligent traffic management and integrated multimodal transport.
- According to India Infrastructure Research, over 300 projects involving an investment of about Rs 140 billion are in the pipeline in the smart mobility segment.
- A number of cities have already made significant headway with regard to the deployment of innovative mobility solutions such as intelligent traffic management systems (ITMS) and smart parking solutions. Bhopal, Ahmedabad, Nagpur, Bhubaneswar and Chennai are deploying ITMS solutions. In February 2019, the Maha Card was launched in Nagpur while a common mobility card is in the process of being implemented in Bengaluru. Smart City Thiruvananthapuram Limited is also expected to roll out a multi-utility smart card, called the Smart Trivandrum card. A gamut of innovative projects that ensure last-mile connectivity, such as public bicycle sharing, have been implemented in Bhopal, Pune, Mysuru and Jaipur to provide seamless app-based access to vehicles for last-mile transport.
- Smart cities are also adopting passenger information systems (PIS) that provide real-time information to passengers using a public transport system. The Chandigarh Transport Undertaking has developed a mobile application that enables commuters to track long-route buses in real time and know their estimated time of arrival on their smartphones. Ahmedabad has successfully deployed a PIS to provide real-time bus information via its mobile app, website and in-station boards to enable passengers to plan their route and estimate the waiting and arrival times.
- Real-time parking management systems are also being adopted under the smart mobility component of the SCM. Bhubaneswar, Kanpur, and Nashik have already acquired these solutions.
- The mission of this conference is to highlight the emerging trends and key initiatives, discuss the progress so far, identify the untapped opportunities and showcase the most noteworthy projects and promising technologies in the smart mobility segment. The conference will also provide a platform to industry players, smart city corporations, technology solution providers, equipment suppliers and consultants to share their experience and exchange ideas.

Target Audience

- The conference is targeted at top and middle-level managers from:
 - ULBs and related government agencies
 - Public transport authorities and operating companies
 - Government transport departments
 - Intelligent traffic/transportation system providers
 - Urban planning and development agencies
 - Policymakers and regulators
 - Financial institutions and investment agencies
 - Infrastructure development organisations
 - Urban transport operators
 - Bus manufacturers
 - Suppliers of bus components
 - EV Charging solution suppliers and battery manufacturers
 - Clean fuel providers: hydrogen, CNG
 - International and national development agencies
 - Project executing agencies
 - Etc.

Previous participants

Some of the organisations that participated in our previous conferences on *Smart Cities, OFC & Telecom Infrastructure* and *E-Mobility and Charging Infrastructure* includes: Accelsap Consulting Services, AECOM, Aceline Infosolutions, ACME Cleantech Solutions, AKSH Optifiber, Agence Francaise De Development, Ambala Municipal Corporation, Amara Raja Batteries, Ambit Capital, AMW Motors, Analysys Mason, Anchor Electricals, Anvil Wealth Management, Apar Industries, Ardcom Telecom, Armacell India, Ascend Telecom Infrastructure, ATC India Towers, Bareilly Smart City, Belmeks Group, Bhagalpur Smart City, Bhopal Smart City, BSNL, BYD India, Black & Veatch, BMR Advisors, Capital Partners, C&S Electric, Copius Capital Advisors LLP, Corning Technologies India, Coslight India Telecom, Chennai Metro Rail Corporation, Chloride Power, CLP India, CLSA, CPWD, CRISIL, Delhi Transport Corporation, Deloitte Touche Tohmatsu, Danfoss, Delhi Metro Rail Corporation, Dehn India, Delta Electronics, Delton Infra, DTC, DuPont, Duraline, East Delhi Municipal Corporation, Edotco Group, Emerson Network, EPTISA, EY, Evalueserve, Exide, Greater Mohali Area Development Authority, Gurugram Metropolitan Development Authority, Gwalior Smart City, Himachal Futuristic Communications, Hyva, ICICI Bank, IDFC Bank, Indus Towers, Insolutions Global, Itron, Jindal Stainless Corporate Management Services, JUSCO, K Raheja Corp, Karimnagar Municipal Corporation, KEI, Kota Urban Improvement Trust, Larsen & Toubro, M&I Materials, Matrix Comsec, Mobility Infrastructure Projects, Motilal Oswal, Moradabad Smart City, MOUD, MTNL, Nagpur Smart City, NDMC Smart City, North Delhi Municipal Corporation, NEC Technologies, NITI Aayog, Okaya Power, OMC Power, Owens Corning, Panasonic India, Paramount Communication, PHED, Philips Lighting, Polycab, Pratap Technocrats, Protiviti, Pune Smart City, PWC, PWD, Ramboll, Ranchi Smart City, RBC Capital Markets, RV Solutions, Saharanpur Development Authority, SBI Capital Markets, Schneider, Siemens, Sterlite Technologies, Sornfy, Tata Projects, Tech Mahindra, Technica Associates, TAIPA, Tower Vision, Terre Armee, Thane Smart City, Tikona Infinet, Triveni Engineering & Industries, UL India, Vaan Infra, Vertiv, Visaka Industries, Viom Networks etc.

AGENDA/STRUCTURE

TRENDS AND OUTLOOK

- ❖ What are the recent trends and developments in the smart mobility segment?
- ❖ What has been the impact of the Covid-19 outbreak on project implementation in the segment?
- ❖ What is the outlook for the deployment and development of smart mobility solutions for the next two to three years?
- ❖ What are the key issues and challenges?

CITY-LEVEL INITIATIVES IN THE SMART MOBILITY SEGMENT

- ❖ What have been the key city-level initiatives in this area?
- ❖ What has been the experience so far? What are the key issues and challenges?
- ❖ What are the future plans?

MOBILITY-AS-A-SERVICE (MaaS), SMART TICKETING AND AUTOMATIC FARE COLLECTION

- ❖ What have been the key advancements in these areas?
- ❖ What are the new technologies being considered for smart ticketing and AFC?
- ❖ What is the future potential for MaaS?

SMART PARKING SOLUTIONS AND AUTOMATED VEHICLE LOCATION SYSTEMS

- ❖ What is the potential for the deployment of smart parking solutions across smart cities?
- ❖ What has been the experience so far?
- ❖ What are the industry offerings? What are the global advancements in this area?

INTELLIGENT TRAFFIC MANAGEMENT SYSTEMS

- ❖ What has been the experience so far with regard to the deployment of these systems?
- ❖ What are some of the noteworthy projects?
- ❖ What are the implementation challenges? What is the future potential?

SMART TICKETING AND AUTOMATIC FARE COLLECTION

- ❖ What have been the key advancements in this area?
- ❖ What are the new technologies being considered for deployment?
- ❖ What is the future potential?

BRTS, SMART BUSES AND INTERACTIVE BUS STOPS

- ❖ What has been the experience so far? What are the plans and initiatives in these segments?
- ❖ What are the specific solutions for passenger information systems?
- ❖ What are some of the noteworthy projects? What are the issues, challenges and key learnings?

ELECTRIC MOBILITY: POTENTIAL AND THE WAY FORWARD

- ❖ What are the plans and strategies being adopted for the promotion of electric mobility across the smart cities?
- ❖ What are the initiatives being taken to develop charging infrastructure?
- ❖ What could be the potential challenges?

FOCUS ON LAST-MILE CONNECTIVITY, BICYCLE SHARING AND MULTIMODAL TRANSPORT

- ❖ What are the key initiatives in this area?
- ❖ What are the current gaps and challenges?
- ❖ What are the future plans?

COMMUNICATION INFRASTRUCTURE AND APPLICATIONS FOR SMART CITIES

Mission

- Innovative technology-led communication infrastructure is being developed across the 100 smart cities. Key cities such as Ahmedabad, Hyderabad, Surat, Coimbatore, Bengaluru, Mangalore, Delhi, Mumbai and Chennai have launched initiatives for the deployment of advanced communications systems, intelligent street lighting, smart poles, GIS and GPRS for solid waste management and other services, online billing systems, mobile-based complaint redressal systems, etc.
- Significant progress has been made with respect to the development of integrated command and control centres (ICCCs). So far, over 40 cities have commissioned integrated command and control centres (ICCCs) to provide a single interface for multiple applications. Pune, Bhopal, Ahmedabad, Allahabad, Vadodara, Bhubaneswar, Rajkot are among the cities with operational ICCCs.
- In fact, cities have used the ICCCs as war rooms to deal with the Covid-19 outbreak. For instance, smart cities of Pune, Surat, Bengaluru and Tumakuru are using the integrated data dashboards to provide information about the status of Coronavirus in different administrative zones of their cities. Cities are also looking at deploying solutions to enable CCTV surveillance of public places, GIS mapping of COVID-19 cases and GPS tracking of healthcare workers.
- According to India Infrastructure Research, there are over 130 upcoming projects involving an investment of more than Rs 70 billion in the governance and communication segment under the Smart Cities Mission. Substantial opportunity exists across cities including Thane, Rajkot, Aurangabad, Bhubaneswar, Dharamshala, Jabalpur, Ludhiana and Vadodara.
- **The mission of this conference is to highlight the emerging trends and key initiatives, discuss the progress so far, identify the untapped opportunities and showcase the most noteworthy projects and promising technologies in the communication infrastructure segment. The conference will also provide a platform to industry players, technology solution providers, equipment suppliers and consultants to share their experience and exchange ideas.**

Target Audience

- The conference is targeted at top and middle-level managers from:
 - ULBs and related government agencies
 - Intelligent traffic/transportation systems providers
 - Urban planning and development agencies
 - Telecom operators
 - Telecom Tower manufacturers
 - OFC manufacturers
 - Policymakers and regulators
 - Financial institutions and investment agencies
 - Infrastructure development organisations
 - International and national development agencies
 - IT solution providers and technology providers
 - Communication service/equipment providers
 - Project executing agencies
 - Etc.

Previous participants

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AGENDA/STRUCTURE

CITY-LEVEL INITIATIVES: EXPERIENCE, CHALLENGES AND OPPORTUNITIES DURING COVID-19

- ❖ What have been the key city-level initiatives in this area? What have been the key steps undertaken by the smart cities to deal with the Covid-19 outbreak?
- ❖ What has been the experience so far? What are the key issues and challenges?
- ❖ What are the future plans? What are the emerging needs and requirements?
- ❖ What are the new technologies being adopted/considered to deal with the post-Covid scenario?

FOCUS ON INTEGRATED COMMAND AND CONTROL CENTRES

- ❖ What has been the progress with regard to the development of integrated command and control centres?
- ❖ What has been the experience so far? What are the key lessons learnt?
- ❖ What are the potential technology upgrades?

SMART STREET LIGHTS/SMART SENSORS/SMART POLES

- ❖ What kind of smart street light solutions are the smart cities considering?
- ❖ What has been the experience so far?
- ❖ What are the issues and challenges? What is the future potential?

ROLE OF TOWER COMPANIES

- ❖ What has been the experience so far?
- ❖ What are the upcoming opportunities?
- ❖ What are the key issues and challenges?

GIS MAPPING FOR SMART CITIES

- ❖ What has been the experience so far with GIS mapping?
- ❖ What are the key implementation challenges?
- ❖ What are the key industry offerings?

CCTV MONITORING AND VIDEO SURVEILLANCE SYSTEMS

- ❖ What are the specific solutions for CCTV monitoring and video surveillance systems?
- ❖ What are some of the noteworthy projects? What are the issues, challenges and key learnings?
- ❖ What is the future outlook?

PUBLIC WIFI: PROGRESS, CHALLENGES AND POTENTIAL

- ❖ What has been the progress so far?
- ❖ What are the key issues and challenges?
- ❖ What is the future potential?
- ❖ What are the upcoming opportunities?

DEPLOYMENT OF IN-BUILDING SOLUTIONS

- ❖ What has been the progress so far with regard to the deployment of in-building solutions?
- ❖ What is the future potential?
- ❖ What are the new industry offerings in this area?

COMMUNICATION NETWORK SOLUTIONS, OPTIC FIBRE AND UNDERGROUND CABLING

- ❖ What has been the progress so far?
- ❖ What are the key issues and challenges?
- ❖ What are the upcoming opportunities?

OTHER KEY SEGMENTS

Noteworthy Mobile Apps, M-Governance Solutions, Digital Hoardings, Grievance Redressal Systems, Etc.

- ❖ What are the other emerging segments that cities are focusing on to enhance communication?
- ❖ What are some of the noteworthy projects and technologies?
- ❖ What are the major issues and challenges faced in deployment of these solutions?

What differentiates our conferences?

- The **agenda** is developed by our researchers, who track the sector round the year. It is thus **relevant** and **topical**. It is not driven by a particular organisation and does not have a particular slant.
- The **speakers** are **professionals** and **experts** involved in the sector, not a mix of ambassadors, ministers, celebrities and business owners.
- The conferences do not just comprise panels and speeches; they provide a good mix of **expert presentations** and **case histories**, and of course **panel discussions**.
- We have **representation** from **across the country**, as is the case at our physical conferences too.
- Each **stakeholder group** – **policymakers, developers, financiers, consultants** and **relevant NGOs** – is represented at our conferences.
- The moderators merely ask the questions. The **stars** are the **speakers** themselves.
- The **sessions begin and end on time**.
- There is adequate time for a **Q&A session** with **each speaker**. These are not “hit and run” speeches.
- The **delegates** are **professionals** who are vested in the sector, and are not just assembled through social media.
- A **recap** of the conference is also made available to reinforce the key takeaways.

Delegate benefits (Virtual Conference)

- Direct interaction with senior speakers (Q&A facility)
- Easy connectivity to geographically dispersed delegates (click of a mouse)
- Cost effective (lower ticket price as compared to a physical conference)
- Offers flexibility and convenience
- Access to conference recording
- Recap of conference sessions
- Contributes to sustainability and lower carbon footprint

Benefits of sponsorship (Virtual Conference)

- E-Meet influencers and decision-makers/
- Reach out to and engage with new or active prospects
- Generate high quality sales leads
- Increase brand recognition
- Target a captive and engaged audience
- Drive website traffic through social media promotions
- Position your company as the thought-leader in your industry

REGISTRATION FORM

- I would like to register for the “SMART MOBILITY” conference (October 8, 2020)
- I would like to register for the “COMMUNICATION INFRASTRUCTURE AND APPLICATIONS FOR SMART CITIES” conference (October 9, 2020)
- I would like to register for **both the conferences**

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Sponsorship opportunities
are available

Registration Fee

Both conferences

	INR	GST@18%	Total INR	Total USD
1 Login	10,000	1,800	11,800	165
2 - 3 Logins	16,000	2,880	18,880	285
4 - 5 Logins	22,000	3,960	25,960	405
6 - 9 Logins	28,000	5,040	33,040	525
10 - 20 Logins	34,000	6,120	40,120	645

Any one conference

	INR	GST@18%	Total INR	Total USD
1 Login	7,000	1,260	8,260	115
2 - 3 Logins	10,000	1,800	11,800	165
4 - 5 Logins	13,000	2,340	15,340	215
6 - 9 Logins	16,000	2,880	18,880	265
10 - 20 Logins	19,000	3,420	22,420	315

- GST @18 per cent is applicable on the registration fee.
- Registration will be confirmed on receipt of the payment.

Payment Policy:

- Full payment must be received prior to the conference.
- Payments for “early bird” registrations should come in before the last date of discount. Discount offers cannot be combined with any other offer.
- 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**, the leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes **tele.net**, **Indian Infrastructure** and **Smart Utilities** magazines. The recent research reports published are **Smart Cities in India**, **Optic Fibre Cable Market in India**, **Charging Infrastructure for Electric Vehicles**, **Electricity Tariff Trends in India**, **Urban Rail in India**, **Clean Bus Market in India: Hybrid, Electric, Gas-based and Underground Cables Market in India**. In addition, it publishes **Telecom News** (a weekly newsletter), and the **Telecom Directory and Yearbook**. The group also operates **www.tele.net.in**, India’s most comprehensive telecom website.

For delegate registrations and sponsorship opportunities, contact:

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