

When Chandigarh Mulled Smart Cities Threadbase

elets 20th Smart City Conference
smartcityeletsonline.com



Seeking to facilitate exchange of knowledge on Smart Cities and urban development taking place across various cities selected under the Smart Cities Mission, Elets Technomedia organised its 20th Smart City Summit in Chandigarh on 28-29th July last year.

The Governor of Punjab and Administrator of Chandigarh Union Territory, Vijayendrapal Singh Badnore, was the Chief Guest of this two-day conclave.

Organised by Municipal Corporation of Chandigarh in association with Elets Technomedia Private Limited, the Conclave was attended by Parimal Rai, Advisor to UT Administrator; Anurag Aggarwal, the then Home Secretary Chandigarh and other senior officials of the Union Territory Administration.

The conclave highlighted Smart City projects across the country. There were detailed discussions on Smart Cities through dignitaries who participated from across the nation.

Sharing their international experience at the Conclave were Krishna Hari Pushkar, Minister Economic, Embassy of Nepal; Nicholas Fornage, Regional Director, France Development Agency (AFD), Javaid Malla, Energy and Low Carbon Adviser, British Deputy High Commission; Sachin Gaur, Project Coordinator, India EU Cooperation on ICT- Related Standardisation, Policy & Legislation; and Harshita Bhatnagar, National ICT Expert, Asian Development Bank.

Here are the glimpses of the summit:



(L to R) Parimal Rai, Advisor to UT Administrator; V P Singh Badnore, Governor of Punjab & Chandigarh UT Administrator and Asha Kumari Jaswal, Former Mayor, Chandigarh inaugurating the summit

CITY BEAUTIFUL TO SMART CITY-CHANDIGARH RIDING HIGH



V P SINGH BADNORE

Governor of Punjab and Chandigarh
UT Administrator

- In the next 50 years, there will be 50-50 ratio of rural to urban population
- To get the cities ready for this rural population influx, cities infrastructure needs to be built in a robust way
- There is also a need to make the villages smart



150th issue of eGov magazine launched by V P Singh Badnore, Governor of Punjab and Chandigarh UT Administrator and Asha Kumari Jaiswal, Former Mayor, Chandigarh with other dignitaries at the Smart City Summit, Chandigarh



CITY BEAUTIFUL TO SMART CITY CHANDIGARH RIDING HIGH



Dignitaries at the Summit.



ASHA KUMARI JASWAL

Former Mayor, Chandigarh

- Chandigarh is faced with a huge problem of parking
- City Beautiful can become smart only with the help of people's participation
- We are implementing door-to-door waste collection
- LED lights have been installed across the city
- Cycle tracks have become functional in the city
- Two dustbins were distributed for each household so that waste segregation can take place at the source

BALDEO PURUSHARTHA

The then +Commissioner, Chandigarh Municipal Corporation

- City Beautiful is envisioned to become a leader in livability and sustainability
- Smart Cities is the experience a citizen is experiencing
- Our vision is to not only put smart features in the city but develop more infrastructure as well
- We are working on ease of doing business
- We are creating a single window for all the Government services
- We are using technologies to foster this environment in the city





ANURAG AGARWAL

Former Secretary-Home, Chandigarh UT Administration

- There is a need for an international portal where all the companies engaged in Smart City solutions can come together
- There is need for such Smart City conferences
- Convergence of smart components is very important in Smart Cities Mission of the Government of India
- Chandigarh is already ahead in converging many Smart City projects into reality



NITISH BHUSHAN

General Manager, Uber

- To create the future of Urban Mobility in a Smart City, it is essential to ensure that everybody has access to affordable and reliable transportation everywhere
- We need to parallelly decongest the cities by discouraging private car ownerships in the city

INTERNATIONAL EXPERIENCE OF SMART CITIES





NICHOLAS FORNAGE

Regional Director, France Development Agency (AFD)

- We are providing technical assistance to the Smart Cities Mission
- Our team of 35 technical experts help Indian cities in various technical issues
- The Special Purpose Vehicle which is set up for the implementation of Smart Cities Mission, need to be properly supported



KRISHNA HARI PUSHKAR

Minister Economic, Embassy of Nepal

- Smart City is not only the responsibility of the Government but also of the civil society and the private sector
- India is taking lead in building the neighbourhood region
- Advanced IT infrastructure has been developed in the mountainous regions of Nepal which not only provides physical but networking connectivity as well



JAVOID MALLA

Energy & Low Carbon Adviser
British Deputy High Commission

- UK is providing assistance to three cities of India i.e. Pune, Amravati and Indore
- UK is providing 10 million pound assistance to Indian cities
- UK offers smart transport, waste and water management, smart metering, data analytics, environment and other issues for the development of such cities worldwide





HARSHITA BHATNAGAR

National ICT Expert, Asian Development Bank (ADB)

- ADB has signed an agreement with the Government of Rajasthan where solar parks will be funded by ADB
- The parks will help the Government to achieve 175 gigawatts of energy by 2022
- With projects like these, South Asia is on a path to higher economic growth



SACHIN GAUR

Project Coordinator, India EU Cooperation on ICT-Related Standardisation, Policy & Legislation

- European Union (EU) has committed 1.5 billion euros for various developmental projects in India
- The largest chunk of this funding has gone to Lucknow metro project

SECURING CITIES BY LEVERAGING TECHNOLOGY & E-GOVERNANCE





JITENDER YADAV

Secretary, Information & Technology Department, Chandigarh UT Administration

- To make the city smart, people need to be made smart
- People should contribute for the development of the city
- Administration should motivate people for active participation
- With the aid of funds, we can improve our systems and do equal distribution of funds
- Departments utilising camera feeds should share the information with each other so that productivity can increase
- Chandigarh should prepare itself in disaster management



GOVIND SINGH CHAUHAN

Executive Director , ABM India Limited

- ABM is working with 800+ municipalities in India
- The backend programmes need to be worked upon digitally
- The officers and staff should be efficiently trained
- Citizen centric policies should be implemented



GIRISH SHARMA

Deputy General Manager-
Products & Services Netmagic Solutions

- Netmagic has 11 data centres in India
- Hybrid cloud is the emerging trend across the world
- Hybrid cloud popularity is growing in Smart Cities sphere due to its offering of more control and command to the stakeholder
- In the coming years, lot of e-governance projects will come up and take the peak demands in the market which can be easily handled by hybrid cloud





PIYUSH GARUD

General Manager - Solution Consultant, D-Link

- We provide smart infrastructure for Smart Cities
- We also work on city Wi-Fi solutions
- We have a large gamut of IoT devices



SIDHARTH MUTREJA

Regional Solution Architect-India & APAC, McAfee

- Attacks are not only happening repeatedly but have become smarter and are trying to fleece the money out of the wallet
- Attacks have also become organised
- Smart Cities are going to use IoT in a bigger way
- Smarter Cities through imparting Quality Education and Skill Development



RAJAT BHATNAGAR

The then State Engagement Officer, Chandigarh, Punjab & Haryana, National Skill Development Corporation (NSDC)

- We have signed an MoU with NDMC under SVP project where we will be training their junior engineers for the water management technician job roles
- They will be trained under the Recognition of Prior Learning programme
- We will be training more than 10,000 people under this scheme

SMART LIVING PERSPECTIVE: A TALK ON HIS NOVEL 'CONFESSIONS OF DYING MIND'



HAULIANLAL GITE

The then Secretary, Jaipur Development Authority

- Confessions of A Dangerous Mind has been written as a novel
- It is a tough book but definitely interesting
- There is a necessity of academic culture which every Smart City should have

MAYOR'S CONCLAVE



PREETI AGARWAL

Former Mayor, North Delhi

- Transforming an existing city into a Smart City is expensive in comparison to building a new Smart City
- We have digitised the parking in North Delhi
- We have also started segregation of water on a war footing



ANITHA BAI MALTESH

Former Mayor, Devenegere

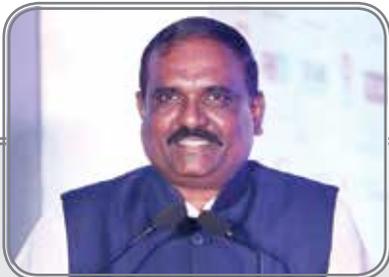
- We are implementing door-to-door waste collection in Devenegere and converting it into manure
- Rs 100 crore has been allotted for the Durga temple heritage of Devenegere
- We are doing every possible effort to convert it into a Smart City



RAJENDRA JAYANT DEOLEKAR

Mayor, Kalyan Dombivli

- We are going to transform the Kalyan Dombivli station area completely
- Traffic solutions, treatment of waste water, cleaning of rivers, development of lakes, waste management, are being taken up



SUDHAKAR SAMBHAJI SONAWANE

Former Mayor, Navi Mumbai

- Navi Mumbai today boasts of one of the best sewage treatment plants of the country
- Water is recycled through this plant and is provided to industries
- Under Swachh Bharat Abhiyan, people participation is necessary



Mayors' Conclave at the summit

SMART & INCREDIBLE INDIA IN THE ERA OF 'MAKE IN INDIA'





NAVEEN MITTAL

The then Secretary, Department of Municipal Administration & Urban Development, Government of Telangana

- We are transforming the ways through which infrastructure has been created in Hyderabad
- We have created two special purpose companies for infrastructure development
- We have brought roads under PWD so that money can be raised through the market
- We need to go beyond the Smart Cities projects per se
- We should learn from what each city is doing to imbibe the whole concept of the city working

TECH LED TRANSPORT & INFRASTRUCTURE TRANSFORMATION FOR BUILDING SMART CITIES



AMIT TALWAR

Additional Secretary, Transport, Chandigarh UT Administration

- For a Smart City, urban mobility is very important
- For a successful Smart City, we should focus on segregation of personal data from all sources
- Smart integrated transport system has to be designed according to customers



MUKESH ANAND

Chief Engineer, Chandigarh UT Administration

- We have made many smart interventions to make the transport smart
- We are going to start bike sharing concept soon
- Initially there will be 5,000 cycles and the project will be on PPP model



A K JANA

Executive Director (Marketing), GAIL India Ltd.

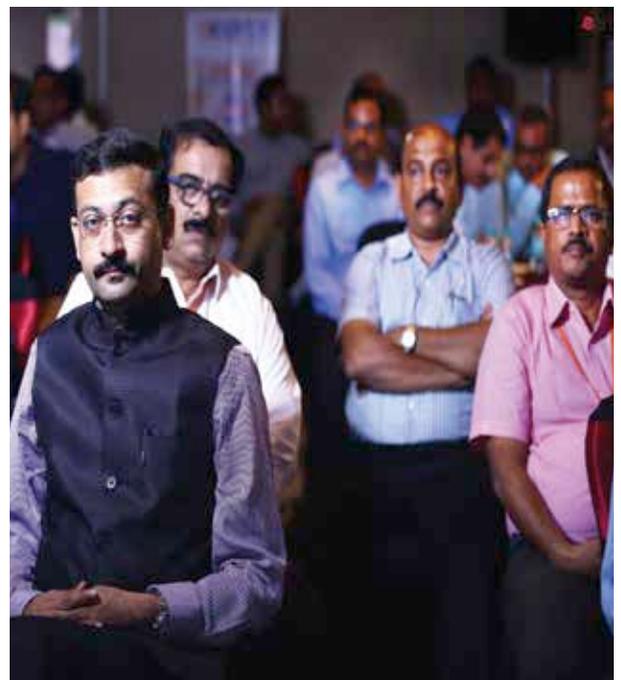
- CNG can play a bigger role in building Smart Cities
- Piped natural gas can be used in houses as well as the industries
- This gas can be used in cooking or can be used as a backup power in the society



VAIBHAV JOSHI

Executive Vice President-Digital Bank, Yes Bank

- Through an integrated mobile app, people started transacting digitally instead of cash
- It also helps them to achieve a history of financial transactions
- The data also allows bankers to offer more products to the customer according to his pattern of earning or selling





SPECIAL ADDRESS: RAIPUR MAYOR, PRAMOD DUBEY



PRAMOD DUBEY

Mayor, Raipur

- We are developing air conditioned city bus stoppages on a PPP model
- We have also developed an e-rickshaw stand
- There are toilet facilities beside the AC bus stop
- Other cities can follow the Raipur example



EFFECTIVE WASTE MANAGEMENT FOR SUSTAINABLE URBAN DEVELOPMENT





LALIT JAIN

The then Commissioner,
Dharamsala Municipal Corporation

- Dharamsala Smart City has installed underground smart bins across the city
- We are ensuring at least one such smart bin in every locality
- These are sensor based dustbins which are being constantly monitored



NARENDRA KUMAR JOSHI

Director, Convexicon Software Solutions India

- We have undertaken the single largest sensor bin project in Hyderabad
- There are 5,400 bins across the city which are being tracked by us
- Daily report is shared with all the commissioners



SUNIL CHAVAN

The then Additional Municipal Commissioner,
Thane Municipal Corporation

- The processing capacity of Amravati Municipal Corporation is very less
- Waste from slaughterhouses can be converted to CNG
- We are working with an NGO as to how thermocol can be reused



P S BHATTI

Former Medical Officer Health, Municipal Corporation
Chandigarh (MCC)

- Chandigarh has Sehaj Safai Kendras which have segregation platform, drinking water and toilet facilities
- An MoU has been signed between MCC and JP Associates in 2005 for waste treatment plant. The plant started functioning in 2008.
- Out of 45 acres of sanitary landfill, 25 acres have been scientifically reclaimed

TECH LED BFSI TRANSFORMATION FOR DELIVERY OF SERVICES TO THE CITIZENS



BALAJI DIGAMBAR MANJULE

The then Deputy Secretary, Agriculture & Cooperation Department, Government of Andhra Pradesh

- We have introduced Electronics Agriculture Market
- We have already started pilot project. It is a step towards one market
- We have integrated agricultural markets at one place

DR SREYASH KUMAR SATPATHY

Senior Vice President, Axis Bank

- The most important thing is how easy it is to use all the IT related applications and products
- It should be simplified
- The onus is on the banks to hand hold the customers and take them to GST





PADMA JAISWAL

The then Secretary, Department of Cooperation, Government of Goa

- Goa has lot of scope for ICT related innovations
- We are providing employment to unemployed youth
- A lot of digital infrastructure has already been created in Goa



VAIBHAV JOSHI

Executive Vice President-Digital Bank, Yes Bank

- We have developed an app where fertilizer subsidy gets absorbed at the registered fertilizer shops
- We integrated the subsidy with Aadhaar number of farmers
- The subsidies are transferred to a digital wallet
- The subsidy is given to the farmer but it can only be spent on the fertilizer



MALLESH LINGACHAR

CEO, Kints Group

- Kints surveillance system is one of the breakthrough surveillance systems in the world
- Through this system, videos can be accessed anytime anywhere
- It is engineered to withstand most difficult temperatures and humidity levels



RAMGOPAL YADAVALLI

Executive Director and Kamal Gulati, Vice President-Emerging Business, Aksh Optifibre Limited

- Aksh International and Videocon have collaborated to implement the Smart City applications in Chandigarh
- We have enabled EKYC portal which can be utilised by all the PSUs and banks



SMART HEALTHCARE FOR SMART CITIES



AMNEET P. KUMAR

Mission Director, National Health Mission, Haryana

- Telemedicine can be easily provided to urban slum areas
- Haryana has started Advance Health Management System which improves productivity and reduce waiting time

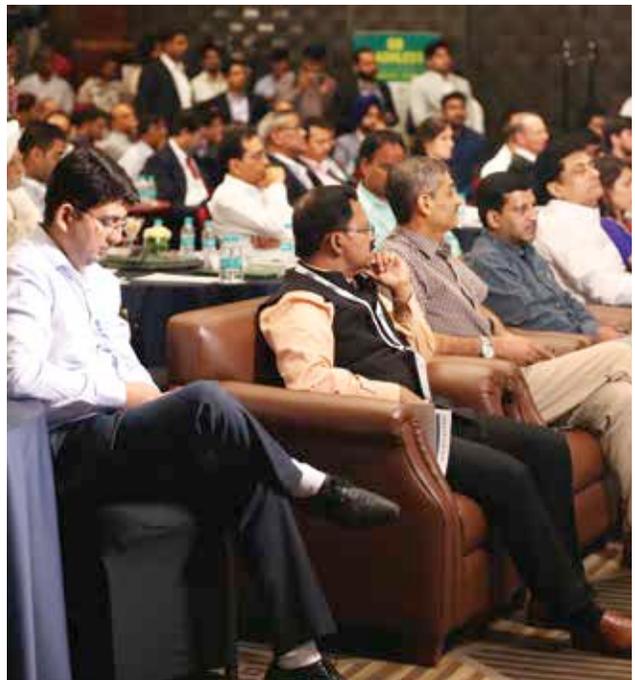
INDUSTRY PRESENTATION



NEELESH KELKAR

National Head (Smart Cities), Indus Towers

- We have signed an MoU with Vadodara Municipal Corporation for implementing the basic infrastructure to set up other smart solutions
- We are developing a smart billboard solution along with public Wi-fi
- There is also a provision of CCTV, lighting, emergency call-out, kiosks and environment sensors





LOKESH LOHIYA

Smart City Lead, CISCO

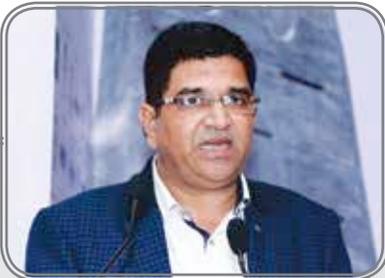
- We have started innovation centres across the country
- Our Golden Mile project is like small Smart City strips that has been delivered across India



JASPAL SINGH AUJLA

Chief General Manager (Technical)
Energy Efficiency Services Limited (EESL)

- EESL has a very transparent mechanism through which buying and selling of LED bulbs can be tracked online.
- Faulty bulbs can be replaced within three years at any of the centres
- Under the Streetlight National programme streetlights are getting replaced with LED



ABHIJIT MOHARIR

Chief General Manager , Kataline Infra Product Pvt Ltd

- Not only cycle tracks, we are coming up with public sharing bike system as well
- We have joined hands with Veluvine company of Netherlands who specialise in coating of cycle tracks, bus lanes and wide area identification markings
- We want to promote cycle to work, cycle to schools etc to ease the congestion on the roads



RAJ JADHAV

Vice President, D-Link

- We have developed Wi-Fi cloud solutions which help to gather all types of data across the city
- We have also developed customised edge devices to fulfill the needs of the governance
- We have Wi-Fi cloud for village connectivity as well



V P Singh Badnore, Hon'ble Governor of Punjab & Chandigarh UT Administrator, visiting the expo area



Dignitaries being felicitated by Chandigarh's Former Mayor Asha Kumari Jaiswal