

# New Age Cloud and Datacenter for building Smart Cities

## Digital Transformations at Ground Zero

GIRISH SHARMA, DGM – PRODUCTS & SERVICES

## Smart City Features

Making governance citizen-friendly and cost effective - increasingly rely on online services to bring about accountability and transparency, especially using mobiles to reduce cost of services and providing services without having to go to municipal offices. Forming e-groups to listen to people and obtain feedback and use online monitoring of programs and activities with the aid of cyber tour of worksites;

## Smart City Core Infrastructure Elements

- Adequate water supply.
- Assured electricity supply.
- Sanitation including solid waste management.
- Efficient urban mobility and public transport.
- Affordable housing especially for poor.
- **Robust IT connectivity and digitisation.**
- Good governance especially e-governance including citizens participation.
- Sustainable environment.
- Safety and security of citizens ,particularly woman, children and elderly.
- Health and Education



## SAFETY

- Video Management System
- Energy Systems
- Identity Management
- Cyber Security
- Building Security



## TRANSPORT

- Traffic Management
- Car Parking System
- Toll/Fine Payments
- Vehicle Tracking System
- Travel Planner System
- Citizen /Police App
- Road Maintenance



## GOVERNANCE

- Command and Control Centre
- Citizen Service Center
- Citizens Portal
- Citizens App
- Remote Service Center
- City Administration and Co-ordination



## WATER

- Clean Drinking water-Amrut-Atal Mission for Rejuvenation and Urban Transformation Project.
- Waste Water treatment
- Leakage Management
- Reservoir Management
- Water Distribution



## ENERGY

- Smart Grid
- Smart Meter
- Smart Lighting
- Alternate /Green energy
- Energy Theft Management
- Energy Distribution Management



## ENVIRONMENT

- Solid waste Management
- Weather Tracking
- River/ lakes/ Water bodies Cleaning and Beautification
- Pollution Monitoring
- Carbon Footprint Dashboard and Management
- Geographic Information System
- Monitoring



## GOVERNANCE

Command And Control Centre



## SAFETY

VMS, Cyber Security



## ENERGY

Smart Meter And Lighting



## WATER

Sensor Based Leakage Management Portal



## TRANSPORT

Payment Gateways Hosting



## ENVIRONMENT

GIS Platform Hosting

### DC And DR

IaaS Based  
Public/  
Private/ Hybrid  
Cloud

Object /  
Performance/  
Tiered Storage  
(NTSS)

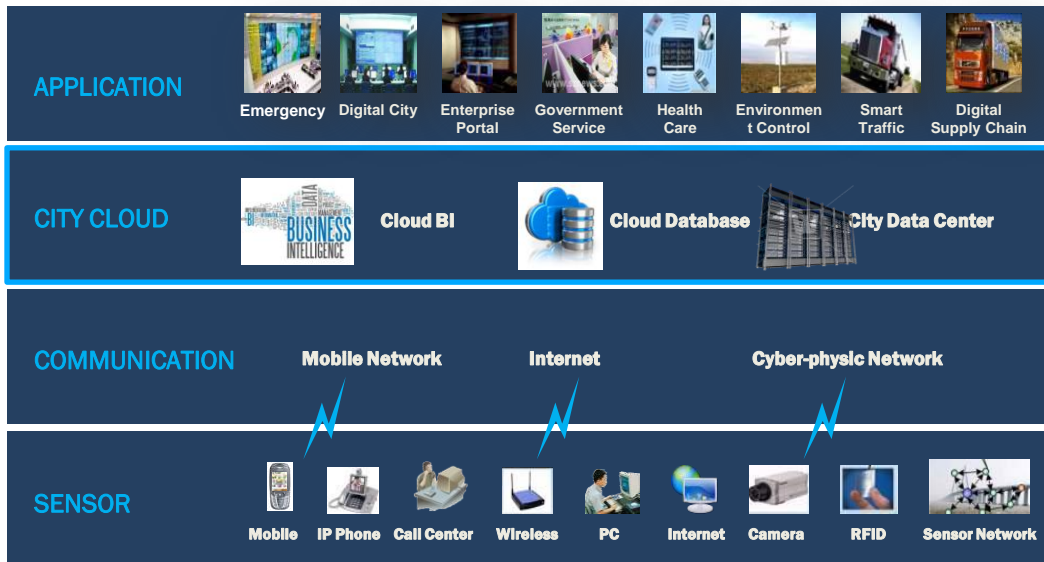
Bandwidth And  
Network Services

IaaS/  
PaaS/DaaS

Simplivpc

Dedicated  
Hosting

SimpliCloud  
Managed  
Services





Mann Ki Baat



Gaia Smart City project



Satyamev Jayate



Bjp.org



MSRTC

MSRTC - Synergy



DigiTel







## Cloud becomes the core

- Clinic shares information with hospital, so the doctors can access a complete history record of the patients
- Government can monitor the pharmacy to prevent the false/unqualified medicines
- Patients can communicate with the doctors via the city cloud without going to the hospitals.



PHARMACY



EMERGENCY



CLINIC



HOSPITAL



AMBULANCE



DOCTOR



PATIENT

**Department of Electronics  
and Information Technology**  
(Ministry of Communications and  
Information Technology)



**NATIONAL INFORMATICS CENTRE**  
GOVERNMENT OF INDIA

**NIC empanelled Cloud  
and Datacenter Services**

Service Model	Public Cloud	Virtual Private Cloud	Government Community Cloud
IaaS	Yes	Yes	Yes
PaaS	Yes	Yes	Yes
DRaaS	Yes	Yes	Yes
DevOps	Yes	Yes	Yes
Managed Services: Backup Services (OPTIONAL)	Yes	Yes	Yes
Disaster Recovery & Business Continuity Services (OPTIONAL)	Yes	Yes	Yes



## DATA CENTER SERVICES

- Colocation
- Bandwidth
- Remote Hand Support
- Remote Data Center Management



## HOSTED IT INFRASTRUCTURE

- Dedicated Hosting
- Managed FW/LB
- Backup And Storage
- DRaaS
- Migration
- System Integration Services



## CLOUD SERVICES

- IaaS based Public/ Private/ Hybrid Cloud
- SimpliVPC
- DR On Cloud
- Object / NTSS)
- DBaaS



## MANAGED SERVICES

- IMS
- CNAM & VAPT
- MDDoS
- SOC
- Managed IPS/ UTM
- Global RIMM Services



## INFRASTRUCTURE APPLICATION

- Exchange
- Linux Email
- SAP Basis
- Middleware



## NETWORK SERVICES

- Domestic MPLS/IP VPN
- Domestic NFV based services (future)
- ILD - VPN, Internet (future)

# Our Data Centers Across India

<p>Mumbai BSE</p>  <p>G. Floor: 7000 Sqft R. Floor: 3500 Sqft</p>	<p>Mumbai Vikhroli-1</p>  <p>G. Floor: 60000 Sqft R. Floor: 27000 Sqft</p>	<p>Mumbai Vikhroli-2</p>  <p>G. Floor: 22000 Sqft R. Floor: 12000 Sqft</p>	<p>Mumbai Chandivali</p>  <p>G. Floor: 3,00,000 Sqft R. Floor: 80000 Sqft</p>	
<p>Bangalore-E.City</p>  <p>G. Floor: 110000 Sqft R.Floor: 48000 Sqft</p>	<p>Chennai</p>  <p>G. Floor: 30000 Sqft R. Floor: 18000 Sqft</p>	<p>Noida</p>  <p>G. Floor: 48000 Sqft R. Floor: 18000 Sqft</p>	<p>Mumbai - Chandivali</p>  <p>Upcoming</p>	<p>Bangalore</p>  <p>Upcoming</p>

Total DC Space Built & Operate - **13,00,000 sq ft** (Announced Till Date)

## CORPORATES



## PUBLIC SECTOR



**BHARATIYA JANATA PARTY**  
The Party With A Difference



PUBLIC HEALTH FOUNDATION OF INDIA



Directorate of Technical Education  
Maharashtra Mumbai 1-2



**General Insurance Corporation of India**  
(Wholly owned by the Government of India)  
Global Reinsurance Solutions



THE BOARD OF APPRENTICESHIP TRAINING  
BOAT



**NASSCOM**



**MAHATRANSCO**  
Maharashtra State Electricity Transmission Co. Ltd.  
Maharashtra State Electricity Transmission Co. Ltd.



**GET IN TOUCH WITH US**



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