DIGITAL TECHNOLOGIES
DELIVERING DIGITAL CITIES
Wipro’s Digital City Design & ICT Master Plan

Interested in understanding how a Smart City can go from idea to reality? Wipro’s Digital City Design and ICT Master Planning project determines a best fit Digital City design, expected ROI and impact on operating costs, by integration of technologies for core Digital City services.

Wipro’s view of Digital Cities

Wipro Technologies defines a Digital City (Smart or Techno City) as a city that monitors and integrates conditions of all of its critical infrastructures, better optimizes its resources, plans its preventive maintenance activities, and monitors security aspects while maximizing services to its citizens.

The concept of a Digital City is rapidly gaining momentum across many different urban areas, with various stakeholders trying to determine the right approach to deliver the vision of a Smarter City.

At the core of the success of any Digital City program is the impact on the citizen. All capabilities provided by the Digital City are focused around empowering citizens and enabling citizen leaders. In addition, these capabilities provide City Governments a clearer picture of the needs of a city, enabling more precise intervention and more efficient execution of citizen services.

The crux to realizing this vision of a Digital City is Information and Communication technology (ICT). Digital cities depend on ICT to operate a diverse range of city functions and services. Technology ensures that elements of physical infrastructure are able to transmit real-time data on a city’s status, by way of sensors and processors applied within real-world infrastructure. This Physical to Digital integration brings about a convergence of processes that enables a digital city to function as an independent intelligence unit.

A DIGITAL INFRASTRUCTURE IS THE FOUNDATION FOR ANY SMART SUSTAINABLE CITY

Wipro’s ICT Master Plan helps you understand how technologies can improve your city, and the steps for putting your vision into action.

Wipro’s approach,

- Focuses on Citizen Services – clear requirements for citizen’s city experience
- Identifies areas to reduce operating costs – service by service approach
- Determines areas to increase a city’s competitiveness and increase revenues - revenue generation through technology

Develops a comprehensive set of client requirements and Digital city Design specifications

Develops a clear roadmap and ICT master plan for your Digital City

Scope of Wipro’s Digital City Design and ICT Master Plan Projects:

Wipro’s Digital City delivery methodology follows a phased approach, focused initially on Digital City Scope Selection and Design. Once a design and delivery schedule is agreed upon and funded, the Digital City Engineering, Construction, and Implementation begins, ensuring that all aspects of the digital city are implemented and design functionality is put in place, realizing the overall vision. Following the implementation of component pieces, metrics are used to fine tune digital city capabilities and continuously improve the citizen experience.
empowering citizens and enabling citizen leaders. In addition, these services to its citizens.

At the core of the success of any Digital City program is the impact on different urban areas, with various stakeholders trying to determine the reality?

The concept of a Digital City is rapidly gaining momentum across many city, enabling more precise intervention and more efficient execution of capabilities provide City Governments a clearer picture of the needs of a city that monitors and integrates conditions of all of its critical infrastructures, better optimizes its resources, plans its preventive maintenance activities, and monitors security aspects while maximizing operating costs, by integration of technologies for core Digital City services.

Wipro Technologies defines a Digital City (Smart or Techno City) as a independent intelligence unit. About a convergence of processes that enables a digital city to function as an entity that can monitor and control any aspect of the real world (people, vehicles, etc.) within real-world infrastructure. This Physical to Digital integration brings real-time data on a city's status, by way of sensors and processors applied to existing modules or new modules, as required. This is possible building off of Wipro’s Digital City platform, which will be used as a common design platform, to be modified to meet Digital City design requirements:

- Develop Stage 2 Techno City Design requirements for selected modules
- Systems Architecture and Design of Digital City Platform (common elements across capabilities):
  - Data Capture
  - Data Integration
  - Data Analytics
- Confirm design requirements for instrumentation and sensors across modules
- Develop ICT Master Plan for Digital City
- Determine cost estimates and ROI study

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a) Digital City Scope Alignment Phase

Confirm overall Techno city vision and target capabilities, to be enabled through a digital city
- Review overall city vision and current vision for Digital City
- Physical Infrastructure and City Architecture requirements
- Digital City Scorecard: Gap Analysis of overall vision, selected target, digital capabilities, and current state

b) Digital City Design Phase

Create Digital ICT design, targeted at enabling core capabilities as agreed upon in the scope modules. The physical and ICT design are integrated through the scope requirements, and will be presented as one package for the final design approval. The ICT infrastructure design for the Digital city will be designed for scalability, enabling cities to add digital capabilities to existing modules or new modules, as required. This is possible building off of Wipro’s Digital City platform, which will be used as a common design platform, to be modified to meet Digital City design requirements:
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ICT DIGITAL CITY PROJECT

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About Wipro Ltd.

Wipro Ltd. (NYSE:WIT) is a leading Information Technology, Consulting and Outsourcing company that delivers solutions, to enable its clients do business better. Wipro delivers winning business outcomes through its deep industry experience and a 360 degree view of “Business through Technology” - helping clients create successful and adaptive businesses. A company recognized globally for its comprehensive portfolio of services, a practitioner’s approach to delivering innovation and an organization wide commitment to sustainability, Wipro has a workforce of 140,000 serving clients across 61 countries.

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