

Smart City Networks

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NETWORK SMARTER



Few Facts

By 2050, India is projected to add 404 million urban dwellers- according to UN Report

700 million to 900 million square metres of new residential and commercial space would need to be built every year from 2010 to 2020- *McKinsey*

India generates 62 million tonnes of waste every year, with an average annual growth rate of 4% (PIB 2016)

Smart Building

Smart Waste Management

Few Facts

Smart Traffic Management

Traffic congestion costs \$21 billion a year

Smart Parking

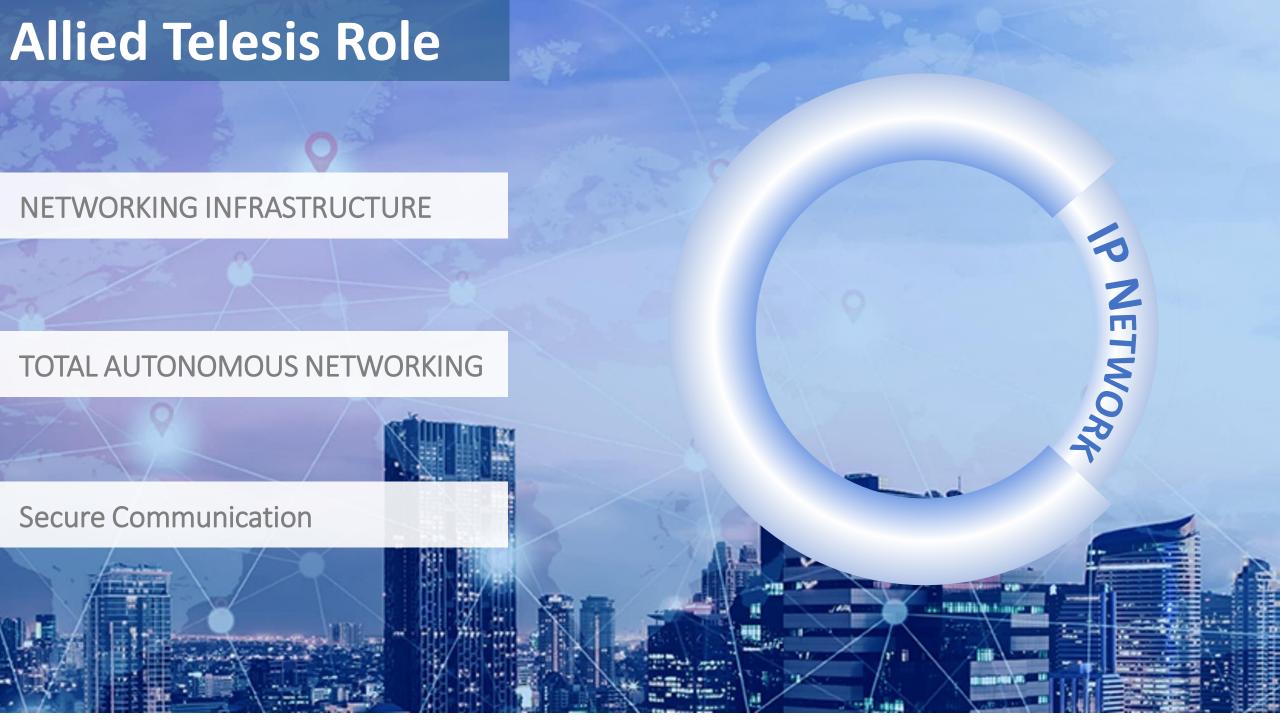
Drivers looking for a parking space cause 30 percent of urban congestion

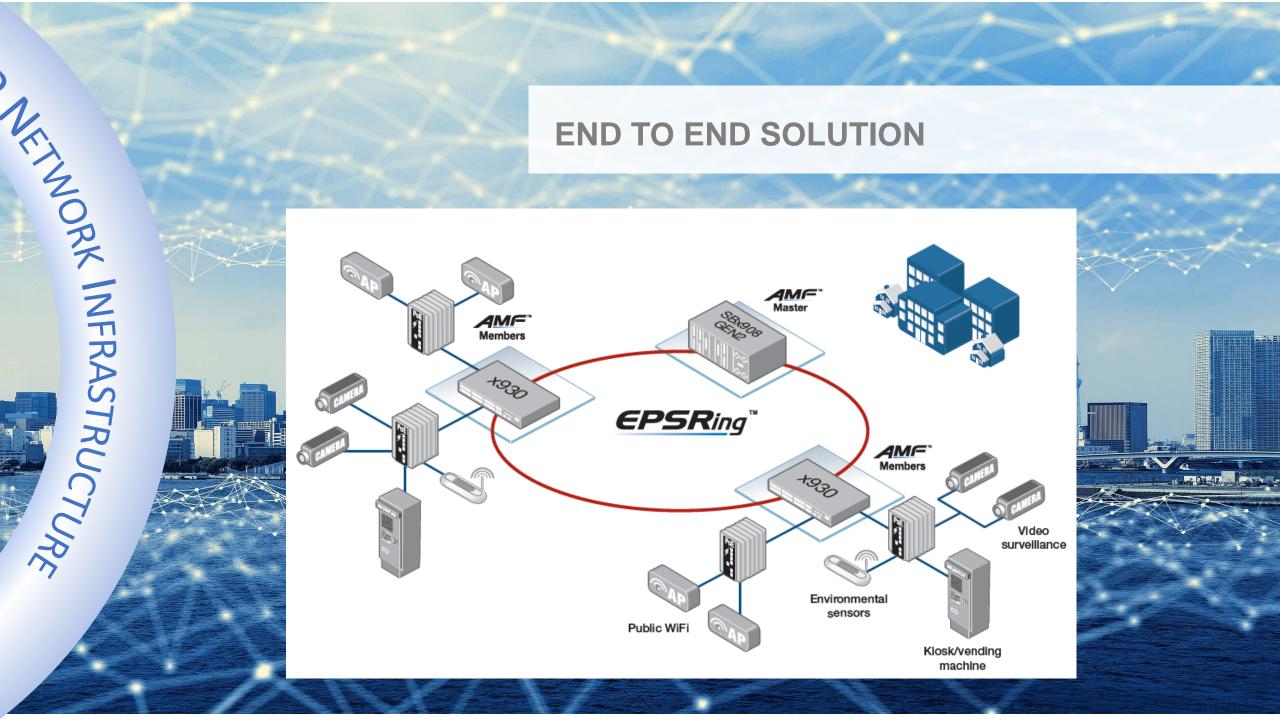
Smart Lighting

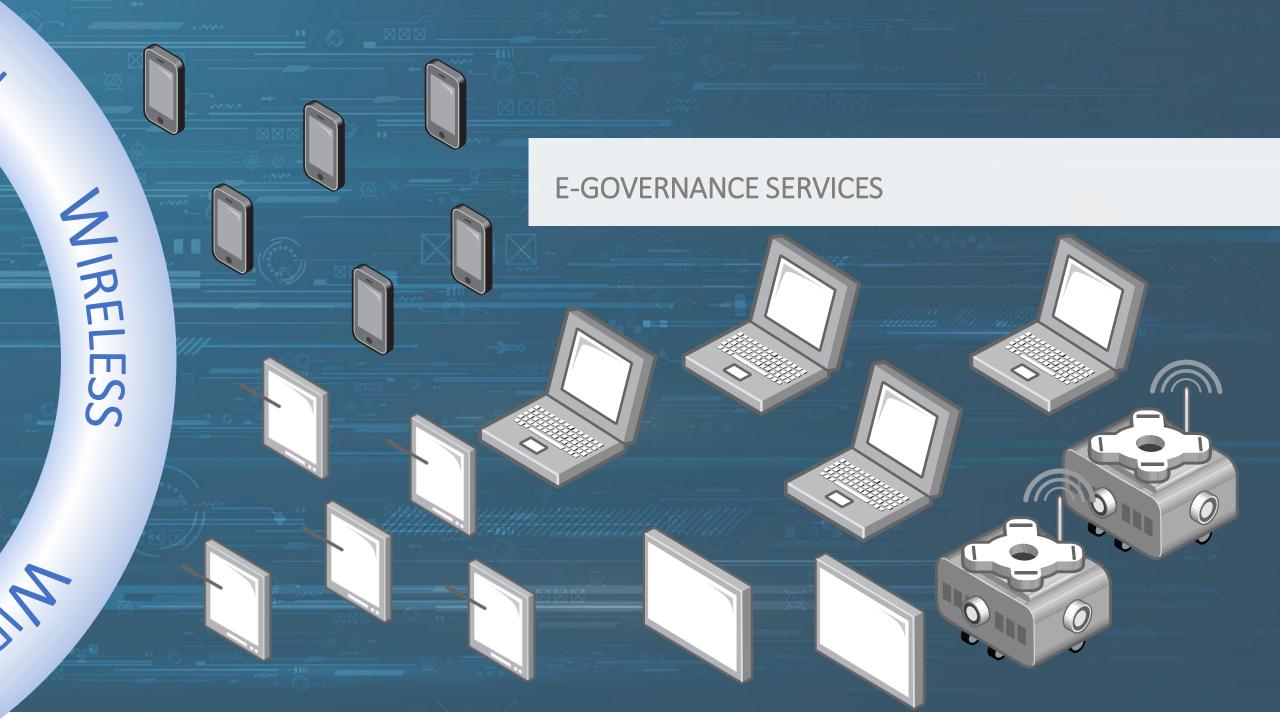
Street Lighting - Accounts for 1.5% of total electricity consumption in India- *McKinsey*

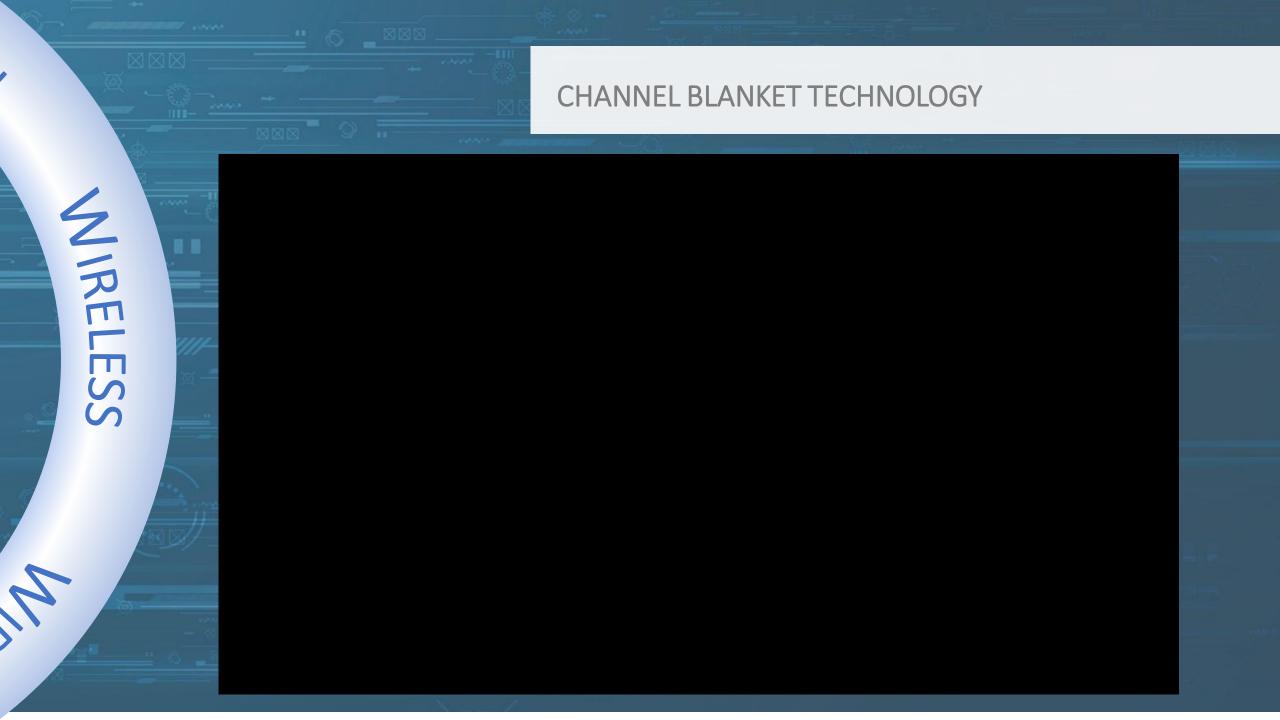




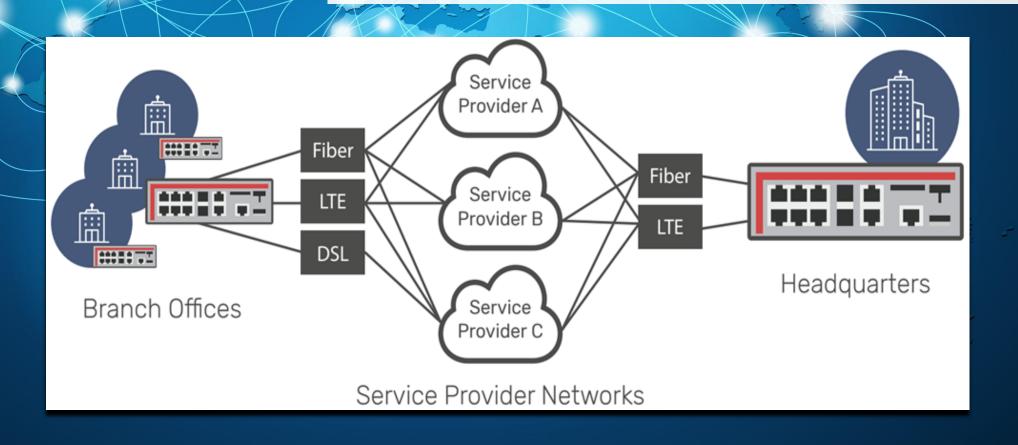








SECURE SD-WAN







EDGE SECURITY **SELF DEFENDING NETWORKS Allow** Block ===== ------- ::::::: -- ::::::: -- :::::::



Transport and Infrastructure

- Metro Rail Projects FOTS Project
 - Lucknow Metro Rail Corporation Ltd (22 Stations)
 - Navi Mumbai Rail Corporation Ltd (11 Stations)
 - Nagpur Metro Rail Corporation Ltd (37 Stations)





- Airports
 - More than 35 Indian Airports
 - FIDS, CCTV network
 - T3 Terminal Delhi
 - Instrumental Landing System
 - IP Public Announcement System

Smart City and Safe City

- Vadodara Eye- Smart City Project
 - Dedicated 20G Fibre backbone
 - City Surveillance Phase-1
 - ATCS, Variable Message Signs, Sensors, GPS
- Raipur Smart City
- Agra Smart City







- More than 10,000 switches for 55,000 Cameras
- Telangana and Cyberabad Safe City Project
 - More than 6500 switches for 15,000 Cameras
- Kolkata City Surveillance Phase-I & II
- Delhi City Surveillance 1400 switches,6000 cameras
- Dhanbad, Siliguri, Patna, Bhuvneshwar, Orissa,
- 100 Police Stations of Tamil Naidu



