5G for Smart Cities

The Missing Link

gaia™

We have heard today: 5G will solve

5G

World Hunger

Climate Change

Water Crisis

Employment

We have heard today: 5G will DEFINITELY solve

Last Mile connectivity and compute

➢ Speed / Capacity of Transmission

➢ Low latency

➢ Deep Edge Compute & Analytics

➢ Reliability

3

2009: We did this same song and dance on 4G

4G

Last Mile connectivity and compute

- ➢ Speed / Capacity of Transmission

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What went wrong?

- 6 years from promise to launch - 2016
- 3 more years for meaningful coverage – its 2019
- Cost of chipset is still 10 times the cost of 2G
- Nothing went ONLY TO 4G

Smart Cities is also about Smart Sites: Today Gaia is Monitoring
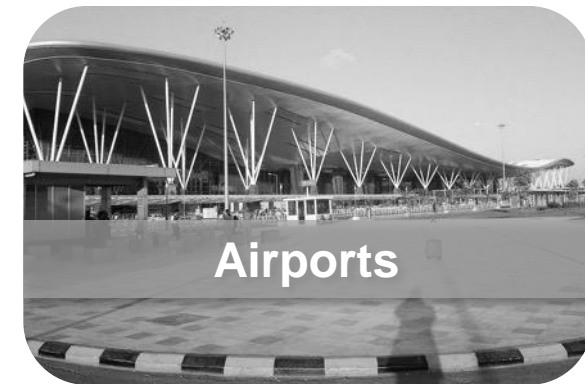

Campuses & Buildings
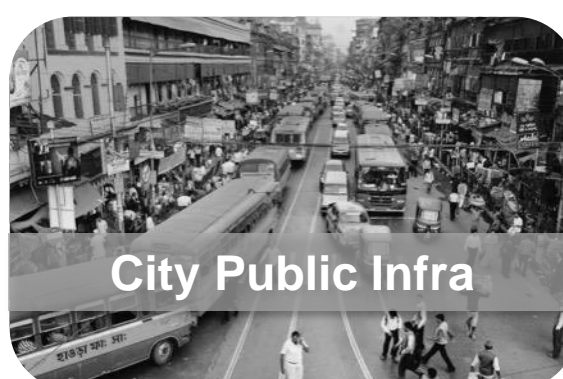
Warehouses

Railway/ Metro Station

Airports

Hospitals & Pharma

Food & Retail

City Public Infra

Railway Coaches

Manufacturing Plant

Power Utilities

Water Utilities

What does Smart Cities and Smart Sites Require?

Monitor

Assets

People

Process

Experience

Supply Chain

Provide

Insights as a Service

Closed Loop Feedback

Action Response Engine

Cognitive Automation

WHY ?

Impact

Business Performance . Operations Efficiency . Revenue

Assurance . Customer Satisfaction . Service Level

Connectivity for Smart Cities

- Connecting the infrastructure is still the longest pole in the Smart City tent
  - Cameras, Sensors, Signages, Traffic Lights, Meters

- Most uses cases are doing the compute in the cloud – not on the FOG or edge

- We need to get seamless connectivity between vehicular traffic and Infrastructure – to ease traffic problems

- You cannot rely on cloud for many use-cases like self-driving cars, real-time voice and video analytics

The Success of 5G

Its all about the use-cases

Affordable
Ubiquitous
Reliable

Thank You

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