

CREATING "SOE" FOR A SMART CITY



ATHENTA
TECHNOLOGIES
CREATING
"SOE"



- 1. Layer of ICT over the city services is presumed to make a city smart
- 2. Sync all equipments, rendering services to the smart city
- 3. Human resources and these equipments to communicate on a common service bus
- 4. Service levels and priorities need to be discussed and defined
- 5. Standard Operating Environment need to be created for every smart city



- 1. Assured electric supply
- 2. Adequate water supply
- 3. Sanitation
- 4. Solid waste management
- 5. Security and Safety
- 6. Citizens participation for good governance Grievance and redressal

A backbone (intelligent layer) to carry information related to the above services



- 1. An "App" to get information proactively where ever possible and else reactive information
- 2. Encouragement to participate in the overall plan



- 1. Ability to integrate multiple types of data originating from heterogeneous equipments, along with voice, video, data, and sensors communication interfaces.
- 2. "Single Portal" for all civic functions the authority is responsible for

3. Future proof - Capability to integrate new and innovative applications.

- 4. Platform with the ability to correlate various services to give the much needed assistance or resultant
- 5. Intelligent and Intuitive work-flow management.

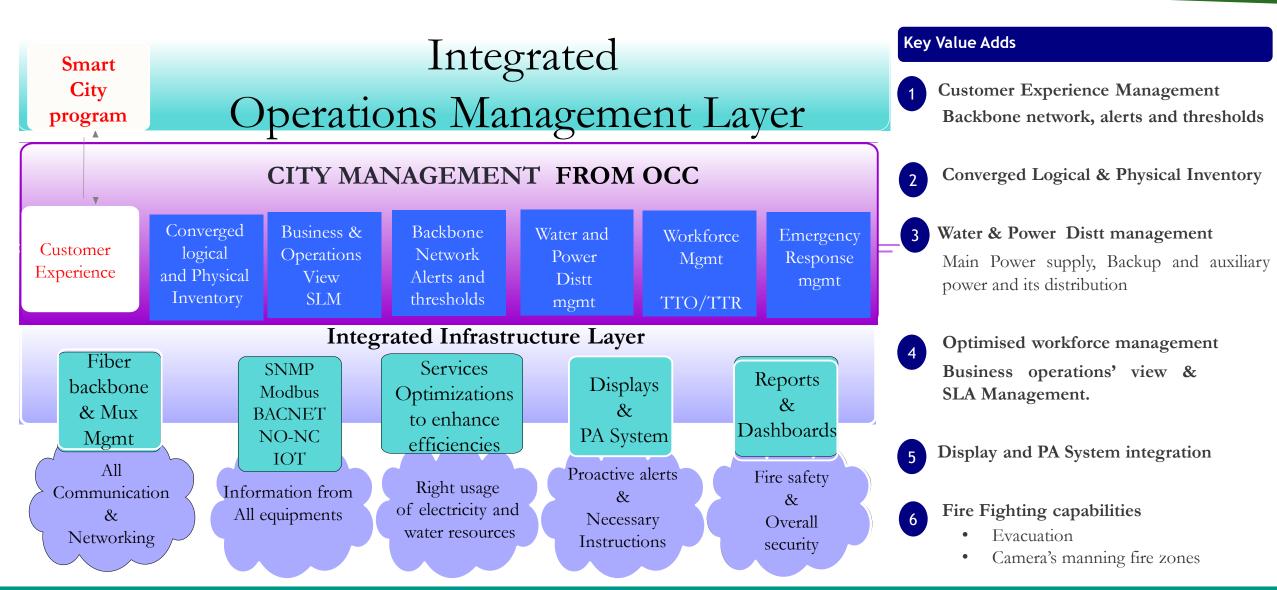


WHAT DOES THE MUNICIPALITY/AUTHORITIES NEED CONTD..

- 6. Advanced industrial grade cyber security features.
- 7. Advanced historical records management to make trend analysis.



THE STANDARD OPERSTING ENVIRONMENT ARCHITECTURE



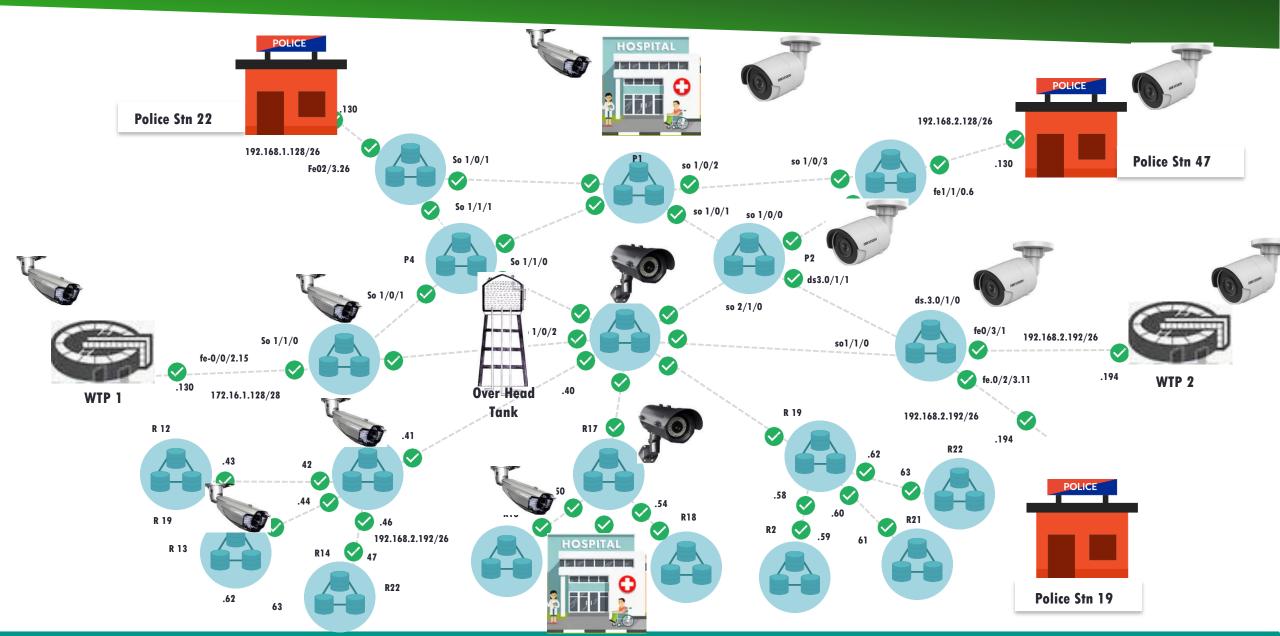


GETTING INFORMATION FROM THE BACKBONE NETWORK

BACKBONE NETWORK MANAGEMENT



INFORMATION FROM THE BACKBONE NETWORK



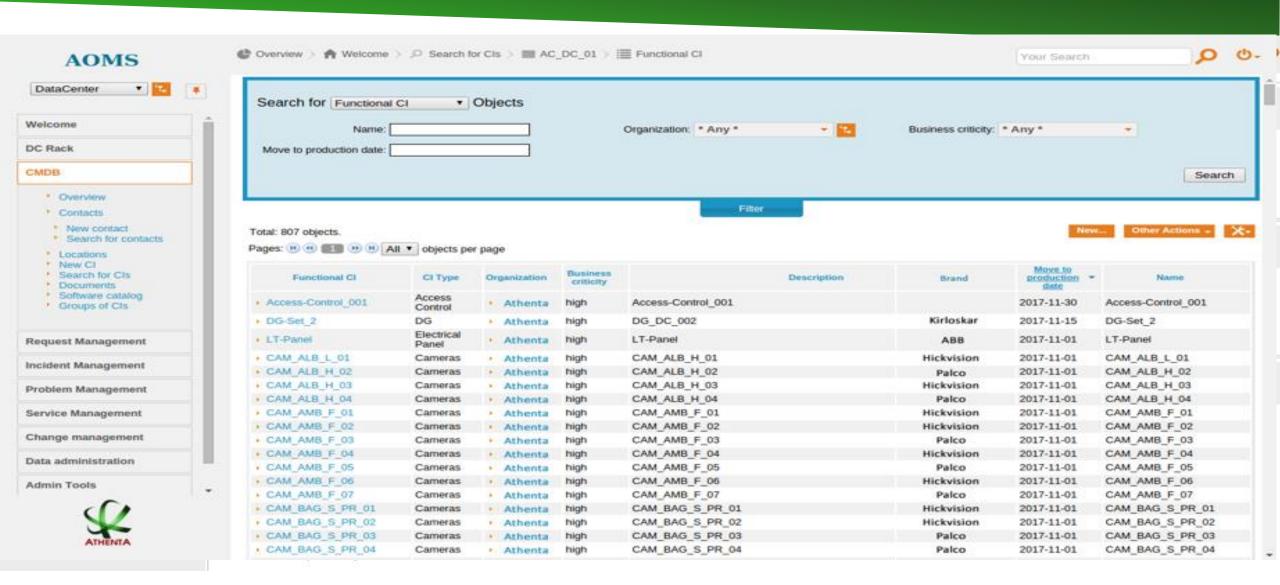


GETTING INFORMATION FROM THE BACKBONE NETWORK





INFORMTION MANAGEMENT FROM THE FIELD



We close down on the location of the fault based on the information we collect initially and keep updating the same



SCREEN SHOT OF SURVEILLANCE PROJECT



Surveillance cameras help citizens to stay safe while travelling in the city

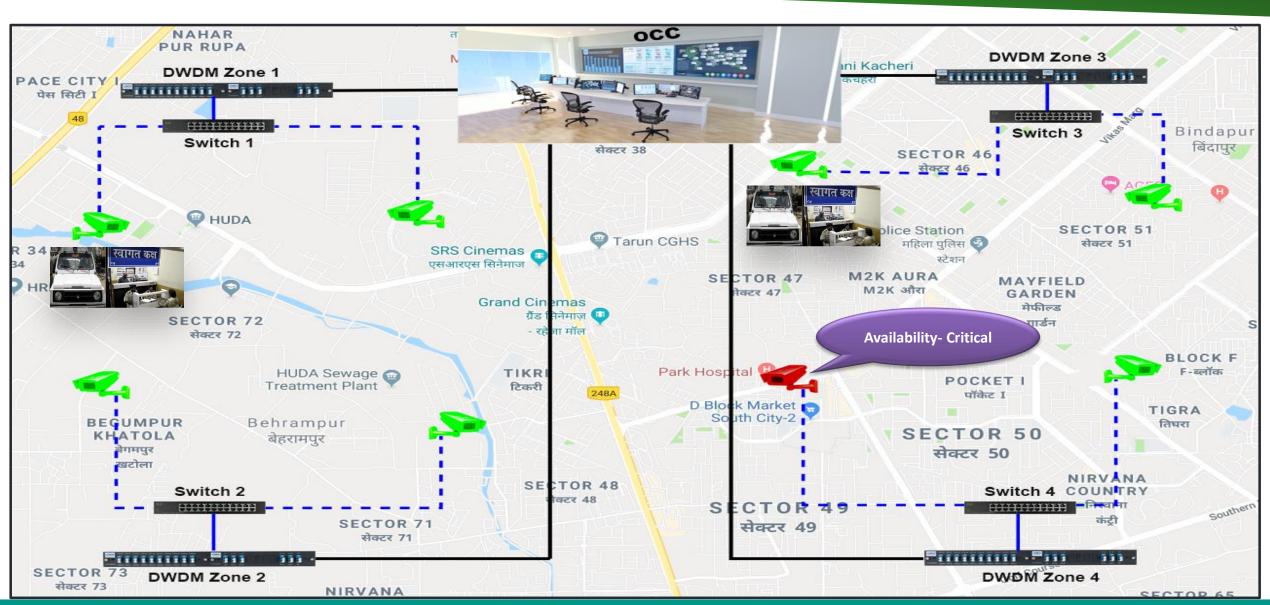
However 24 x 7 check on each of these equipment's should be done to make sure the system is up and running.

Athenta's solution keeps the check on the same.



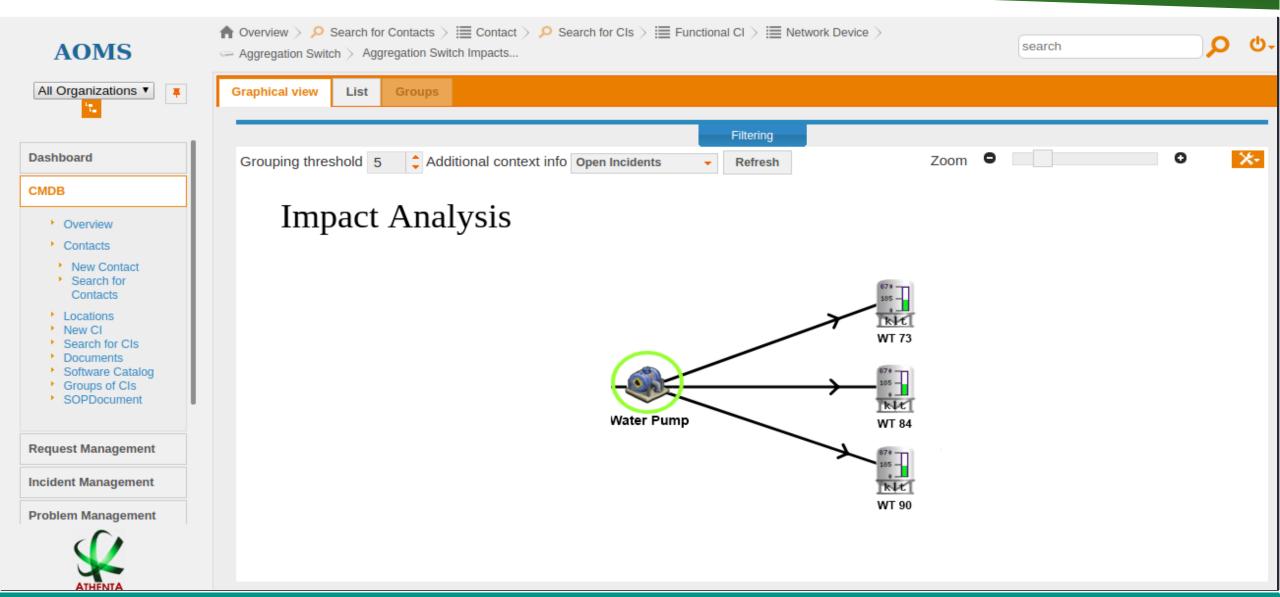


SURVEILLANCE NETWORK DISTRIBUTION ACROSS THE CITY

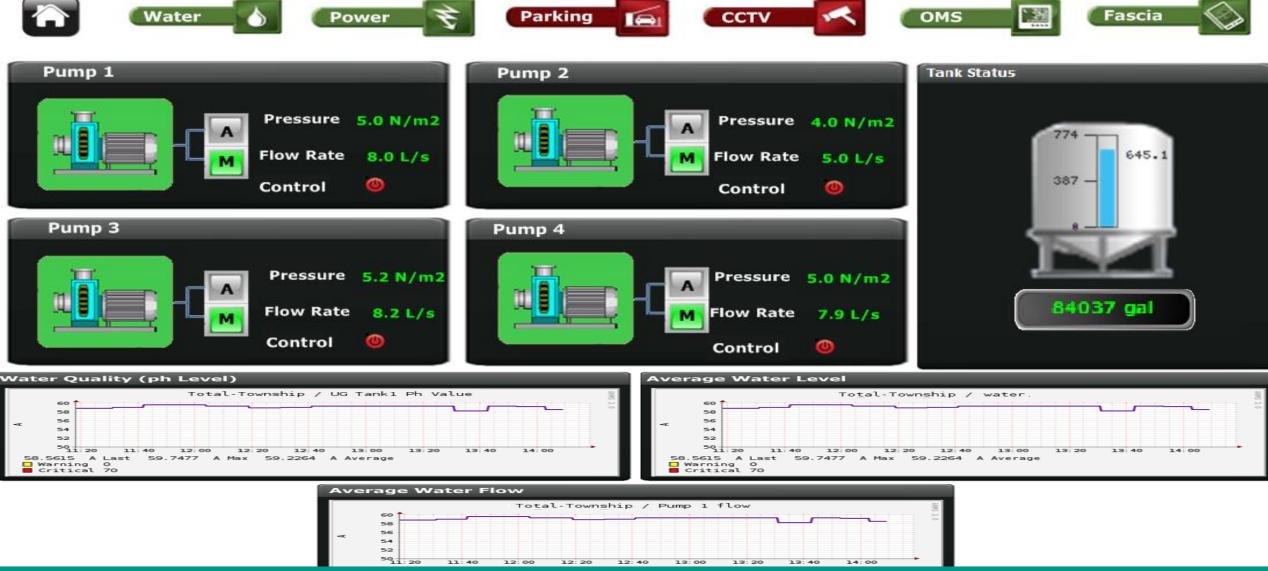






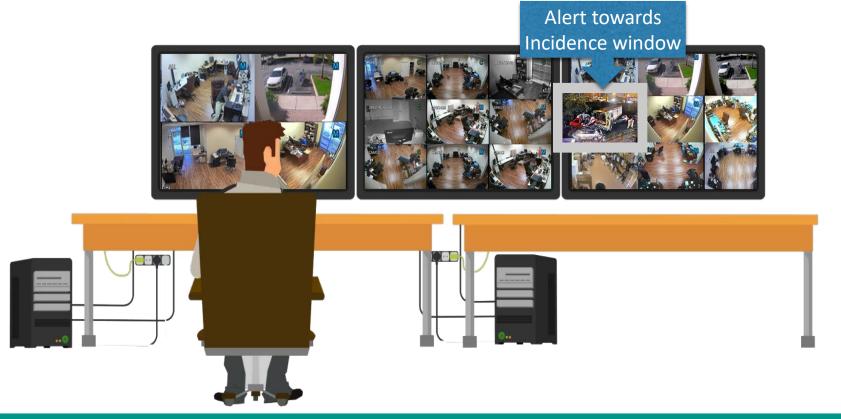


DISTRIBUTED WATER MANAGEMENT CONTD.













INCIDENTS – ACROSS VARIOUS CITY INFRASTRUCTUTURE



- The dashboard helps in singling out problems almost instantly
- Effectiveness of maintenance and operations

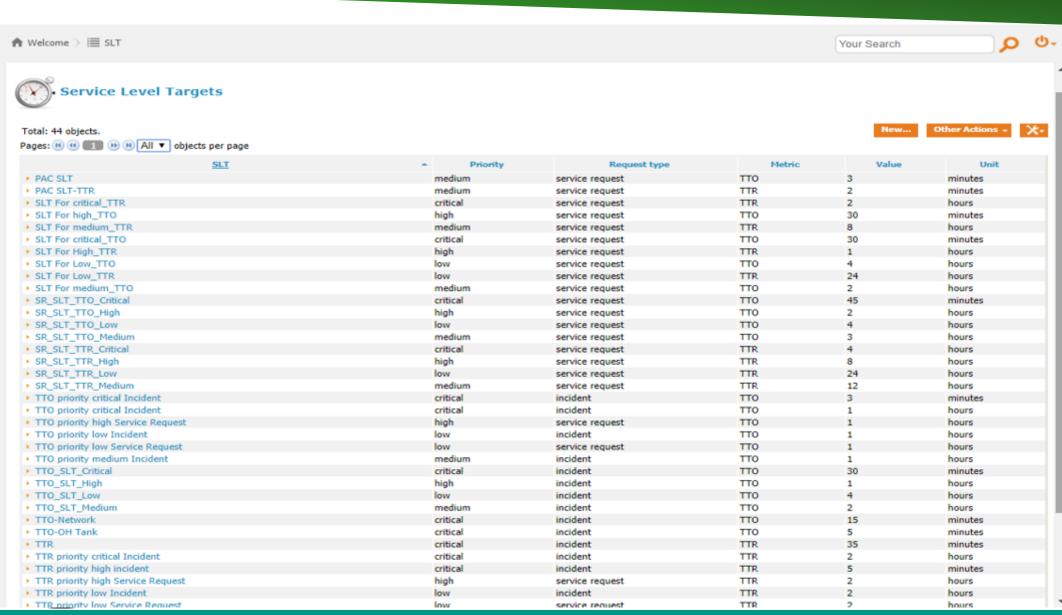
 Status of alerts and escalations if need be can be checked back at any moment



MACHINED SLA'S SET ACROSS THE SMART CITY

AOMS All Organizations ▼ Welcome DC Rack **CMDB** Request Management Incident Management Problem Management Service Management Overview Customer contracts Provider contracts Service families Services Service subcategories SLAs SLTs Delivery models Request templates Coverage Windows Holiday Calendars Holidavs Change management Data administration Admin Tools System Conf









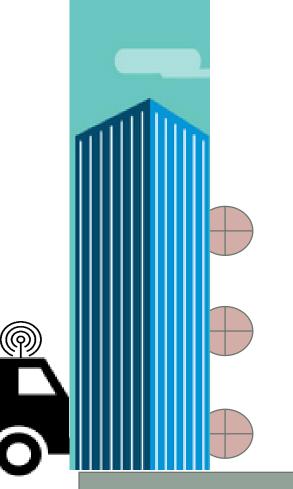
SOLID WASTE MANAGEMENT





Athenta Waste Management Solution

Building 1



Wireless based ultrasonic Level sensor

Athenta central
Aggregator in CCC

RTU

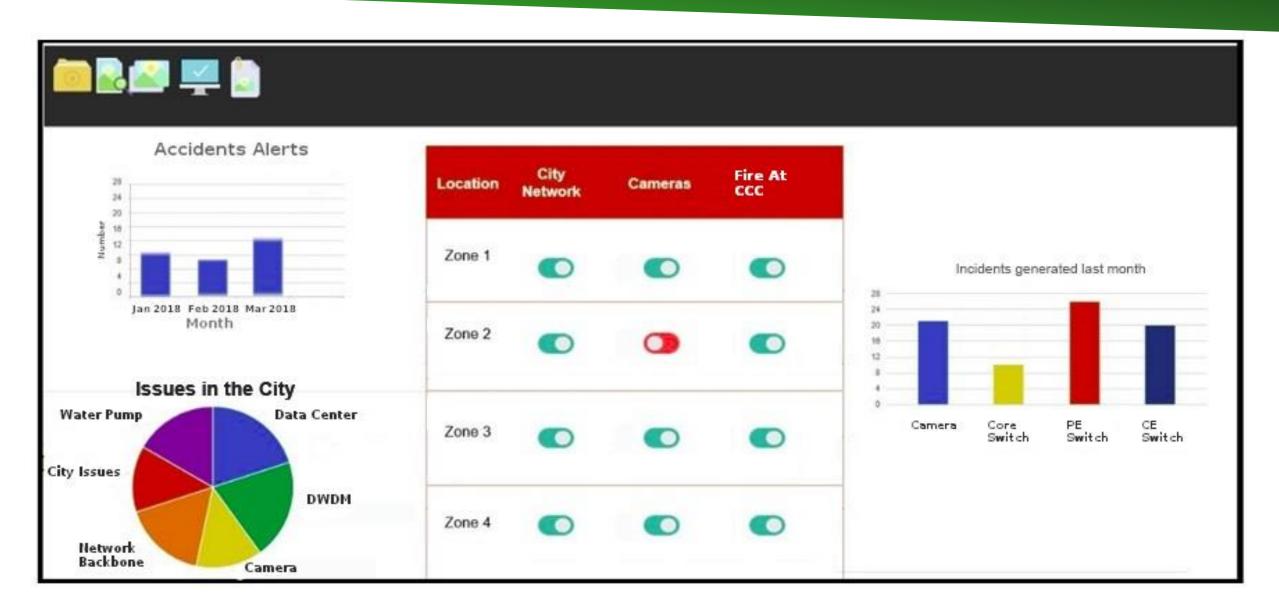
GSM based location tracking and receiving information through SMS about BIN garbage level

Building 2



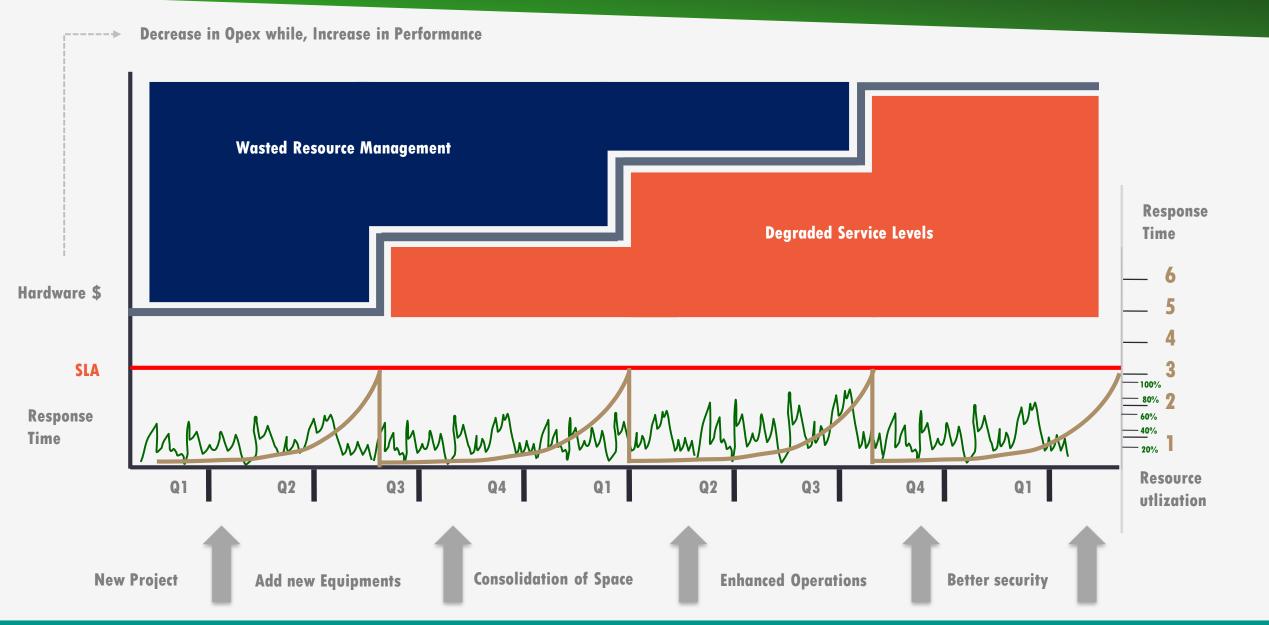


CCC DASHBOARD - Comprehensive picture of the city infrastructure













THANKS FOR LISTENING