

PROTECTION OF THE COMMERCIAL CENTER NATIONWIDE BY REGIONAL HIERARCHY



“REGIONAL HIERARCHY” - THINKING ON TOMORROW’S CHALLENGES”

OVERVIEW

MAXIMUM SECURITY SOLUTION



Galaxite solutions

GALAXITE OFFERS

Innovative security solutions in the areas of:

Cyber Security, Intelligence, **Urban Management**, Smart Transportation and Critical Assets Protection,

Build & Secure The Future...

GALAXITE OVERVIEW

- » GALAXITE is a leading security company with unique knowledge, expertise, and experience providing holistic security solutions
- » The company combines cutting edge technology with deep industry knowledge to create customized solutions that cover all aspects of security, public safety and cyber defense
- » Our innovative approach leverages information that enable optimal and effective decision making at all levels of governance and delivery effective solutions to the customers

WHY GALAXITE

- » GALAXITE is not bound to any particular technology or vendor, it has the prerogative to select only the best-suited components to develop cybersecurity solutions
- » Each and every element is chosen for its capabilities, cost effectiveness and technological superiority
- » GALAXITE is accountable to customers before, during and after a purchase
- » GALAXITE is in a prime position to propose tailor made solution and delivering advanced surveillance tools combined with analysis capabilities

PUBLIC SAFETY CHALLENGE

SECURITY



THE CHALLENGE

To Enhance **Maximum Security**
While
Providing **Continuous Shopping Services**
In A Cost-Effective Manner

WHY INVEST IN SECURITY NATIONWIDE BY REGIONAL HIERARCHY



REDUCE OPERATING COSTS

Leveraging and enhancing the performance of existing infrastructure and assets



BUSINESS CONTINUOUSLY

Integrate environmental system and Improve Emergency Readiness



CUSTOMIZED & SCALABLE

Flexible to meet current and future needs

INCREASE CONTROL

Full awareness map at all levels. Supporting effective cooperation among local, regional, and national agencies



MULTIPLE BENEFITS

Unified infrastructure supports multiple applications



SECURITY

Raise Residents' Sense of Security



COMMERCIAL CENTER: GOALS

- » To ensure the security of the commercial center -In every shopping center zones (parking, entrance and inside)
- » To ensure the security of the operator's personnel
- » To protect critical assets - stations, bridges, tunnels, electrical sub-stations, maintenance depots and computer systems and data
- » To ensure the commercial center continuous commercial activity

MAIN TYPES OF THREATS



Car Bomb



Suicide Bomber



Planted Bomb



Gun Fire



Hostage Situations



Anonymous Call



Chemical & Biological



Running Over



Car Accidents



Thefts / Robbery



Civil Disturbance



Smuggling Alcohol & Fireworks



Hooligans

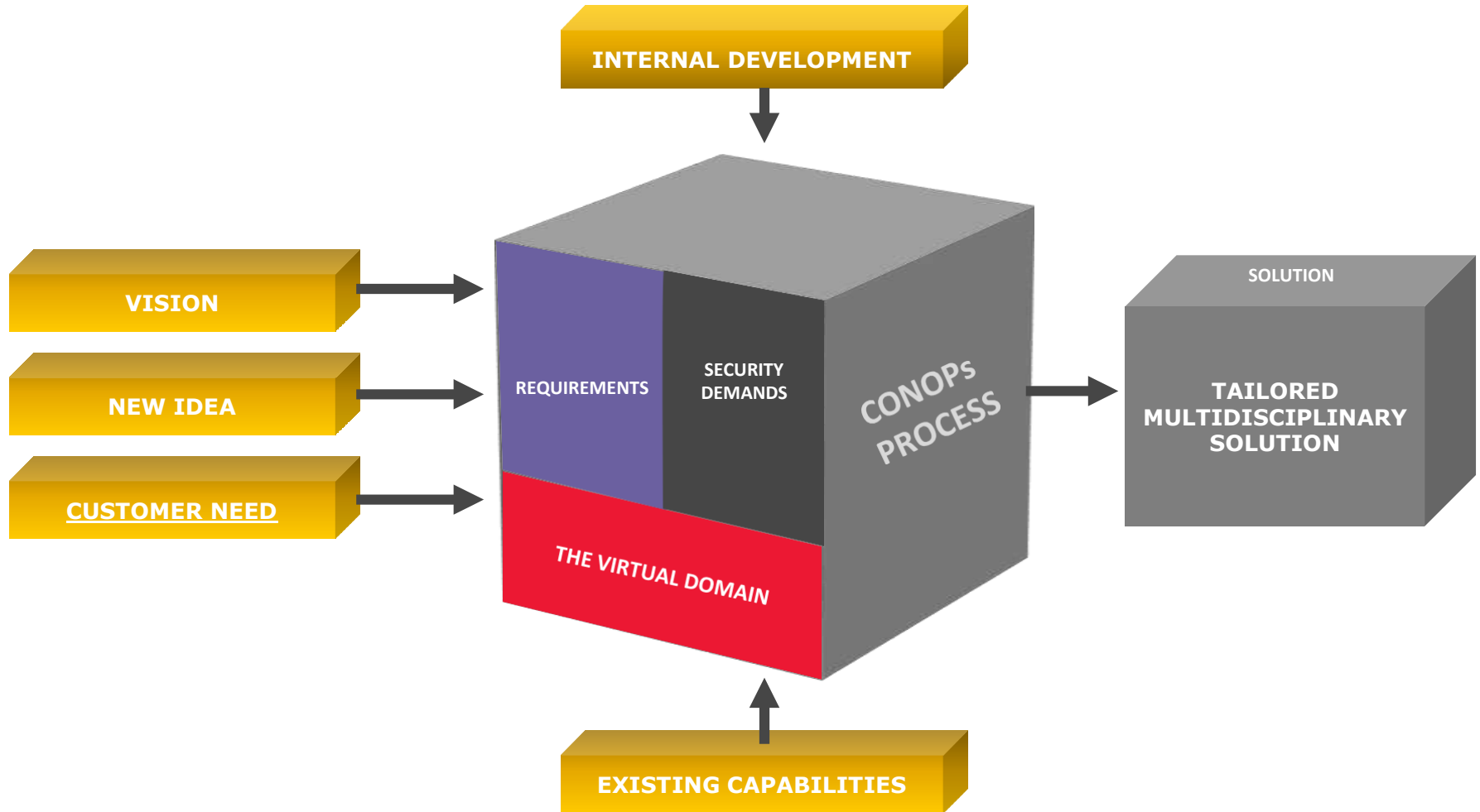


Protestors



One Man Show

CONCEPT OF OPERATION (CONOPS) PROCESS



IMPLEMENTING METHODS

- » The security solutions can be implemented after identification the company's threats and its vulnerabilities
- » When implementing the solutions, the following should be taken under consideration:
 - » The security solutions should be integrated into daily operations
 - » A security concept should rely on the customer resources (existing and future plan)
 - » The solutions are effective only when a comprehensive security plan design
 - » Enabling continuous commercial activity



TECHNOLOGY SOLUTION



COMMAND & CONTROL SYSTEM GUIDELINES

New Technologies Focus On Detection

User Workflows Analysis

Operational Guidelines

Lessons Learned

Usability & HMI Standards



COMMAND AND CONTROL SYSTEM

Awareness System



Event Management

- Event management
- All system alerts are received as pop-ups, and added to the events list
- Decision support tools
- All event-related data and video saved in the system

Sensor Monitoring

- Capturing and recording high quality video from many types of sensors
- Analytics - vehicle tracking, people tracing, queue monitoring, unattended baggage, loitering and more
- Effective video management

Situational Awareness

- Unified Situational Awareness Picture
- Different layers, using the GIS model:
- Buildings, Parking and etc.
- Advance Sensors



USAP Administration Workstation 10 John Doe 10.02.10 12:54:20 AM Weekend

Home Category 1 Category 2 Category 3 Category 4 Category 5 Category 6 Category 7 Category 8 Search: camera Advanced

50 Sent For review 100 Pending For review Pending

My Layers

- My new entities
- Devices I turned ON
- Devices I turned OFF
- User Layer

Public Layers

- Site 01
- Events
- Targets
- Forces
- Alert states
 - Alert state 01
- Alarm zones
- Ignore zones
- Responsibility areas
- Lcs areas
- Operators
- All devices
- LPR red list
- Vector files
- User layer

In Site Hierarchy

- Site 01
 - Facility A
 - Gates A
 - Plant AA
 - Gates AA
 - zero tolerance zone AA
 - Facility B
 - Facility C
- Site 02

Layers tree
Private layers
Public layers
Site Hierarchy

Static Layers
Dynamic Layers

Grid
Showing entities of selected layer

Preview Pane
Displaying Kit of selected entity

Facility A

Drag Here...

Type	Name	Status	Mode
CO30	CO30_4	Active	Home base position
CO30	CO30_6	Active	Home base position
Door	Main Entrance	Active	Normal
Door	Control Room	Active	Normal
Door	Back Door	Active	Normal
Door	Floor 4	Active	Unlocked

In-Site Hierarchy
Showing site composition

Map
Showing checked layers

CO30_6

Properties

Name: CO30_6 Floor: 1

Position: N 33333333 E 22222222

Active

Home base position

CO_30_6 overlooking north side of the fence facility name.

Select destination and press ENTER | Map name | Scale: 150,000km | 0 | Cursor position: 49°30'00"N, 123°30'00"W | 4 selected items | Map linking ON | Continuous pan ON

SOLUTION ARCHITECTURE & SOFTWARE FRAMEWORK

GUI-Desktop and Mobile



Software Modules



Data Sources

Command & Control Center



Field Personnel



Mobile

VMS	Real-Time Analytics	Resource Management & Monitoring	Reporting
GIS Services	Information Sharing & Collaboration	Historical Data Analysis & Prediction	Data Management
Event Management	Operations Management	Investigation	Admin & Configuration
Interface Management			

Sensorial Data

Systems & Databases

Cameras
 License Plate Recognition
 Face Recognition
 Smart Phone
 Access Control
 Environmental Air/Water

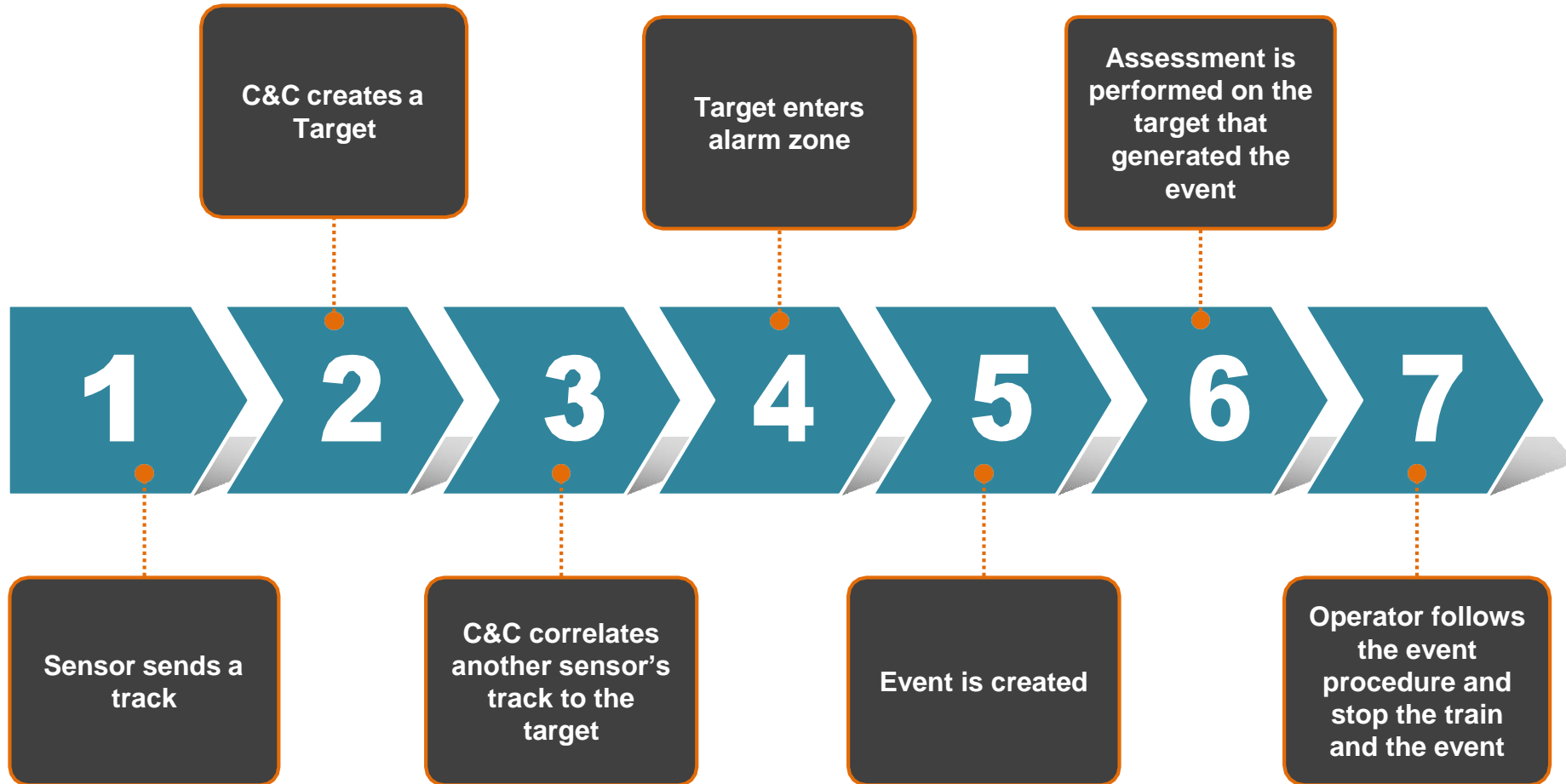
Crowd Sourcing
 Social Networking
 Cyber
 Electronic Surveillance
 GPS
 Web
 Cellular Tracking

AVLS
 VMS
 911
 Databases

Fully integrated to public safety system, including detection, analytics, event management & response

PRIVATE & CONFIDENTIAL

EVENT FLOW

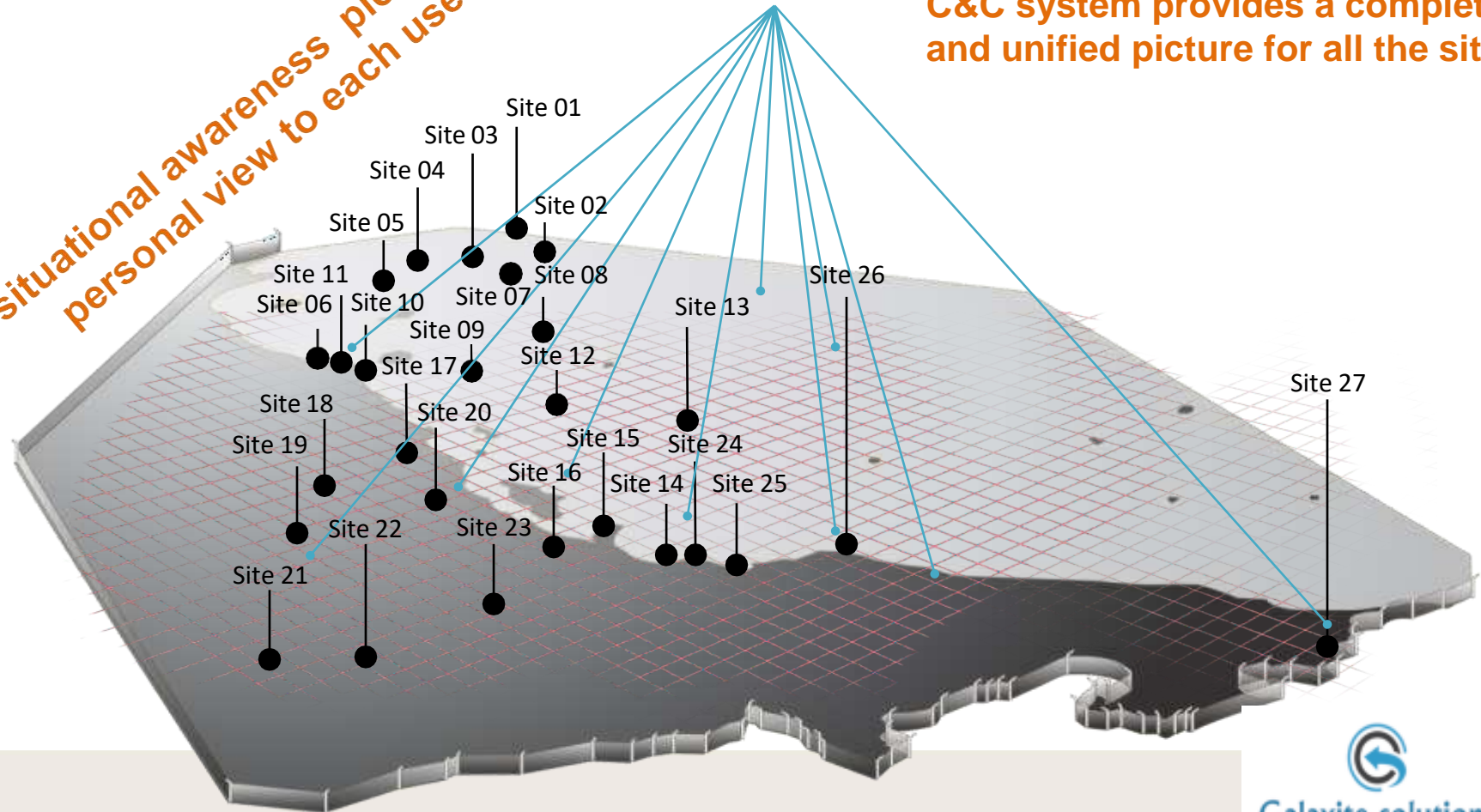


UNIFIED SITUATIONAL AWARENESS PICTURE

*one situational awareness picture for all!
personal view to each user!*



C&C system provides a complete and unified picture for all the sites



PLATFORM HIERARCHY

» Events created locally in sites



Area



» Events are distributed throughout the hierarchy



District



» Events will be handled and viewed according to permissions



HQ



COMMAND AND CONTROL

DEPLOYED SYSTEMS & TECH.

AGENCY A

AGENCY B

AGENCY C

AGENCY D

AGENCY E

INPUTS

Emergency Response System

Database (Hospital, City...)

Sensors (LPR's, CDR's...)

Traffic Management System



REAL-TIME EMERGENCY RESPONSE

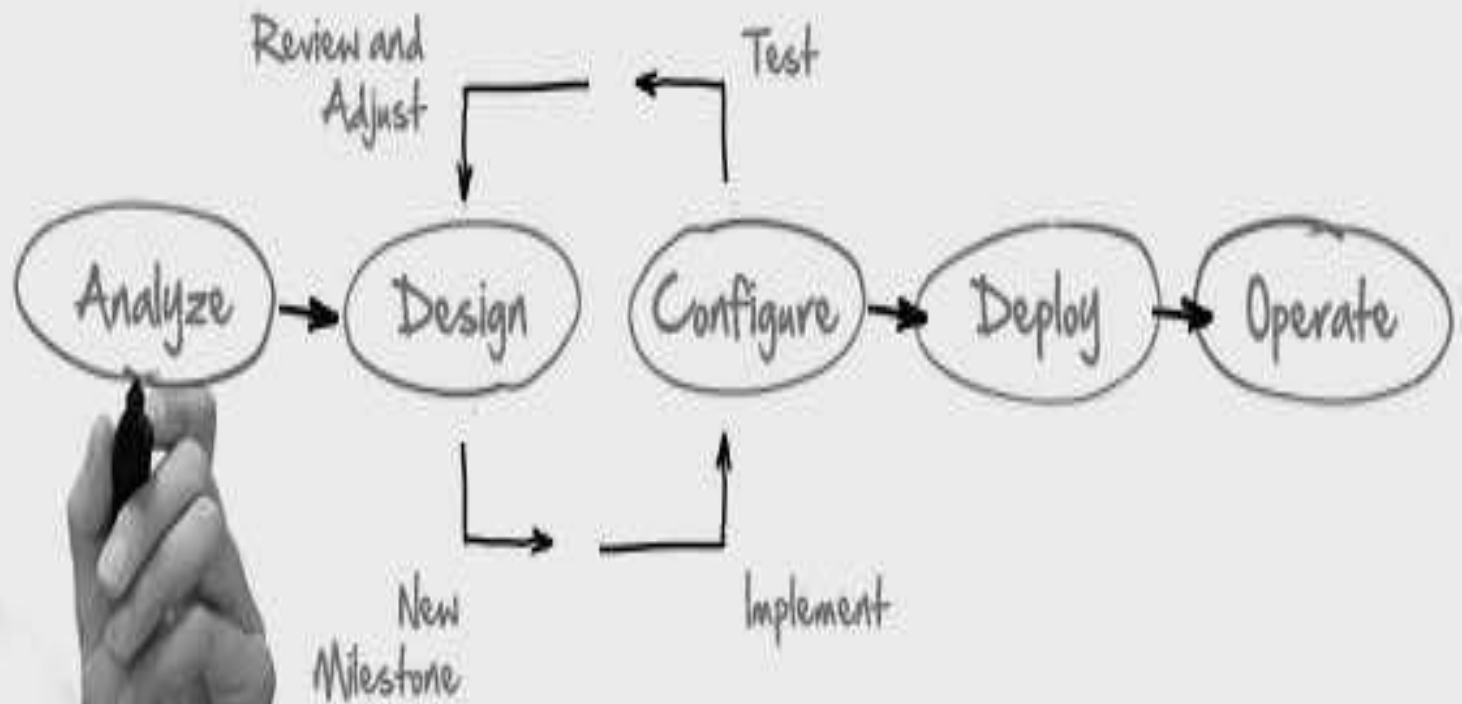
TRAINING PLANS; WORKFORCE READINESS

CONTINGENCY PLANS

GOVERNANCE DASHBOARD OUTPUT

- » Command and Control for routine & emergency
- » Gathering Information, sorting, analysis and indexing
- » Advanced analytics and prediction tools
- » Train Management Dashboard - alerts of any wide events

IMPLEMENTATION APPROACH



PROJECT APPROACH



GALAXITE- SUMMARY

- » Our innovative approach leverages information that enable optimal and effective decision making at all levels
- » Our cost efficient platform enhances and leverages existing assets and information sources
- » Successfully completed Public Safety projects, with over 800,000 residents
- » Our past planning and managing know how provides us with the capability to identify and select the latest and most suitable technology for the project

THANK YOU



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