



SMART CITIES STRATEGIC PLANNING – THE FUTURE OF IT

Presented by
Tom Jakobsen
And
Garry Boswell

CLIENTFIRST
TECHNOLOGY CONSULTING

Garry Boswell

Deputy Director Information Services, City of Simi Valley

Mr. Boswell has over 30 years in Information Technology, including 15 years in local government. Some of his key accomplishments include:

- Bachelors in Information Systems
- Certified Government Chief Information Officer
- Over 30 years of experience in Information Technologies
- Over 15 years of public sector experience
- Has selected, implemented and supported 5 different ERP systems
- Worked in private sector industries including: cellular technology, engineering, software development and insurance.
- Avid surfer, horseback rider and ex-national level bicycle racer

Tom Jakobsen

Partner, IT Support and Infrastructure Practice Leader, ClientFirst



Mr. Jakobsen has over 40 years of experience in the information technology arena. He serves as IT Strategic Advisor for several agencies and focuses on IT management, staffing and cybersecurity related issues in local government.

- Specialties include:
 - IT Operations Management
 - Contract and Interim CIO/IT Management
 - IT Staffing
 - Cybersecurity
 - Disaster Recovery
 - Project Management
 - Assessments, Strategy, and Planning

ClientFirst California Clients



TODAY'S TOPICS

- Background
 - What is a Smart City?
 - Smart City Goals
 - Key Smart City Capabilities
- Simi's Smart City Journey
 - A bit of Background
 - It's all about the Network
 - Future Applications
- Smart City Trends and Predictions
- Q&A





Garry Boswell

Simi Valley: Our Journey to a Smarty City

What is a Smart City?

Smart Cities integrate information & communication technology (ICT) & various physical devices connected to the network (the Internet of Things) to optimize the efficiency of city operations and services and engage with citizens.



What is a Smart City?

Garry's Definition: It's a city where everything is connected, massive amounts of data are collected and transformed into easily digestible information for better decision making.



Goals behind a smart city

Common goals

- Improve Public Safety and Health
- Improve Decision-Making
- Increase Resident Services
- More Efficient



Capabilities

- Everything is connected to the internet
 - Watches
 - Televisions
 - Refrigerators
 - Coffee machines
 - Human hearts
 - Dog collars
 - Cat litter boxes
 - Cattle
 - Toothbrush
 - Diapers



Capabilities

- Smart Cities means different things to residents than it does people who work in the public sector.



Capabilities

Residents want their cities to be smart in the following ways:

- Synchronized traffic signals
- Intelligent parking meters
- Smart bus stops
 - When will the next bus arrive
 - Wi-Fi
 - Displays
- Efficient with taxpayer dollars
- Public Safety



Capabilities

- Staff members want their cities to be smart in the following ways:
 - Easy to use ERP to make better financial recommendations
 - Ability to assign tasks to workers in the field
 - Smart Water meters



It is all about the Network

- The network is the foundation to a smart city



Simi Valley's Journey

- Population = 126,000
- 40 square miles
- Full Service City
 - Public Safety
 - Transit
 - Utilities
 - Water/Wastewater
 - Public Library
 - Cultural arts center
- Home of the Regan Library
- Located in Southeast Ventura County 40 Miles north of LAX



Where We Are

- The network is the foundation of a smart City.
- Who is SiFi
- How SiFi came to a partnership with the City



I love Sales People



What's in it for the City?

- What's in it for the City?
 - Connect all facilities and assets
 - 250 network locations
 - Zero cost to city
 - SiFi will pay salary for single point of contact
 - 1 GB fiber connection to every house and business in the City

When the boss 'asks' you to follow up



I love contracts and paperwork



Meeting with Sifi as a vendor

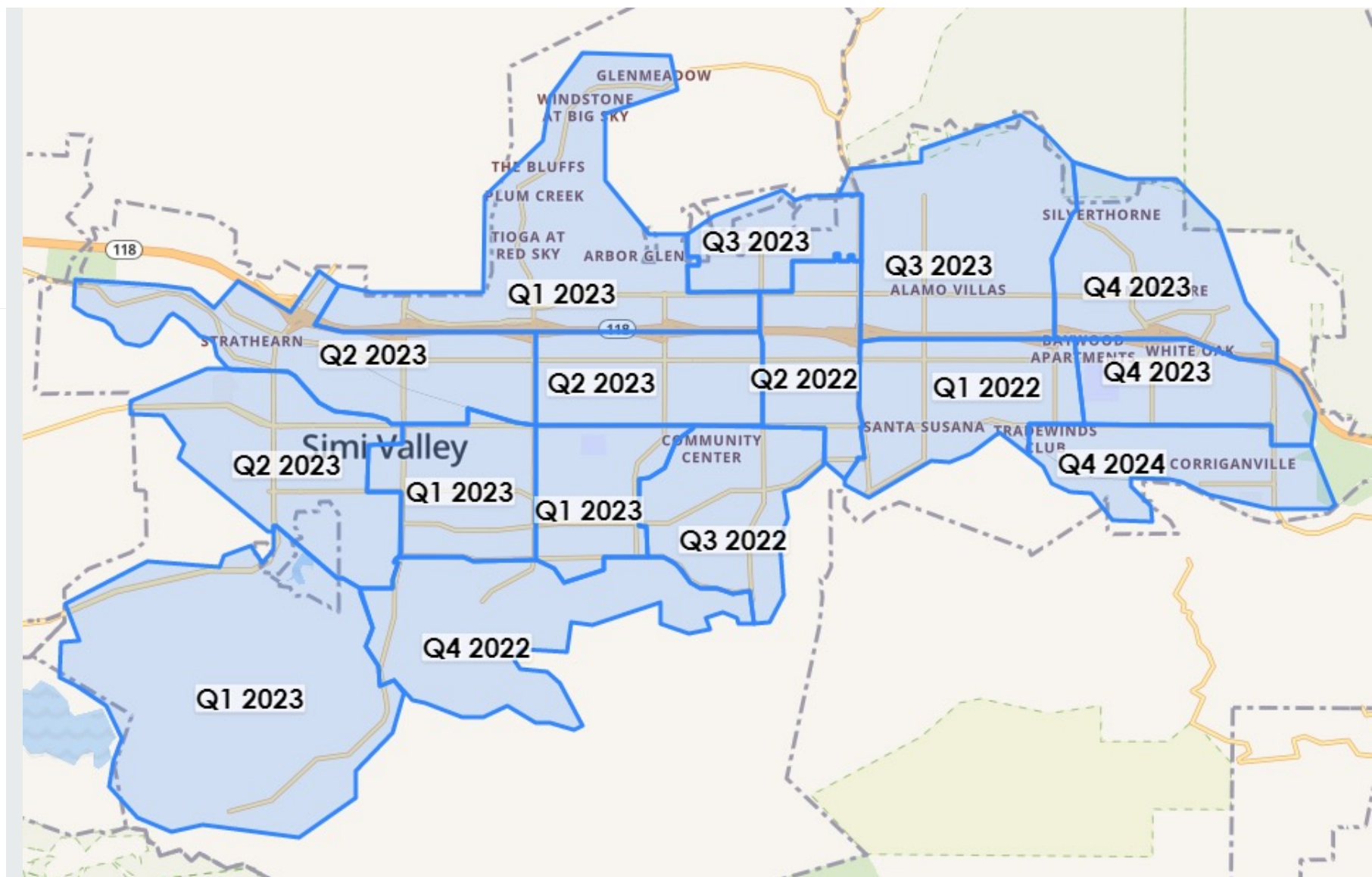


Oh no!

A microscopic image showing numerous red, crown-shaped coronavirus particles. Some particles are larger and more detailed, while others are smaller and more numerous. They are scattered across a dark, textured background that appears to be a surface or a fluid medium. The red color highlights the characteristic spike proteins of the virus.

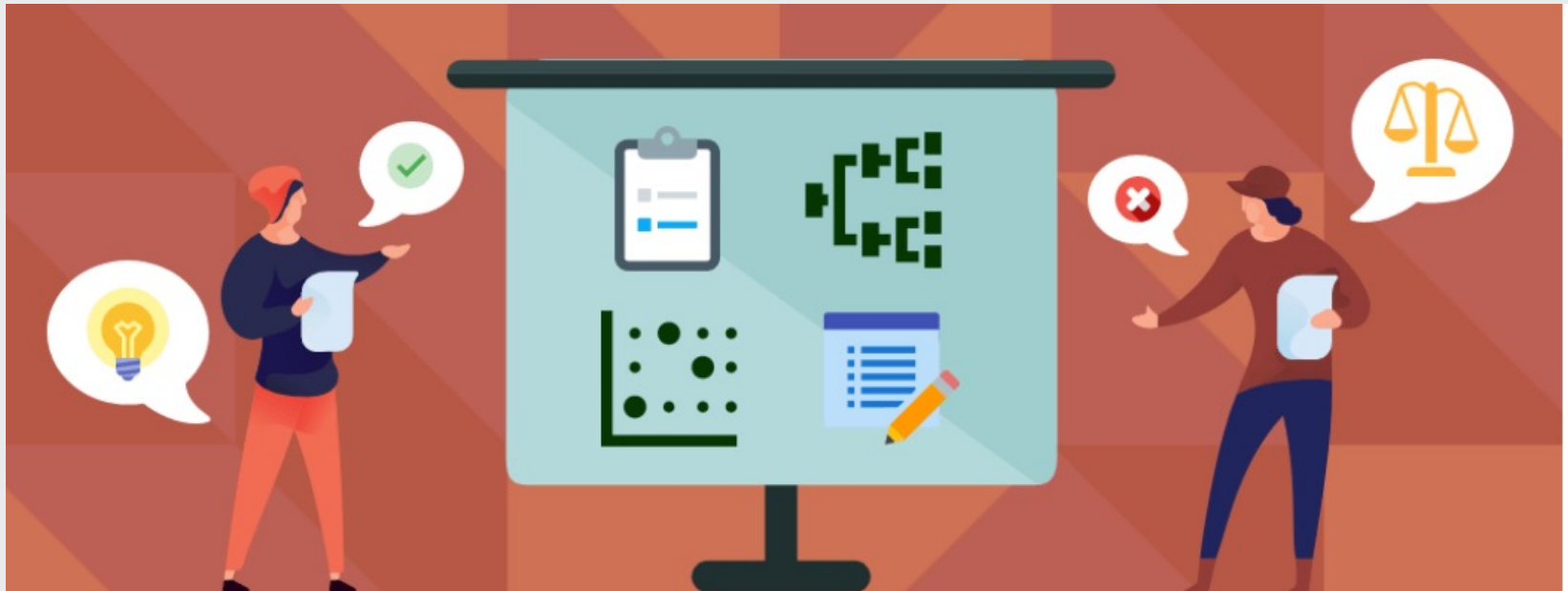
Latest News

Coronavirus in California



What will Simi Valley Look Like?

How we will get there? The decision making process for making Simi Valley Smart



What will Simi Valley Look Like?

The charter for the steering committee will set the priorities, locate funding sources and set goals for the projects.

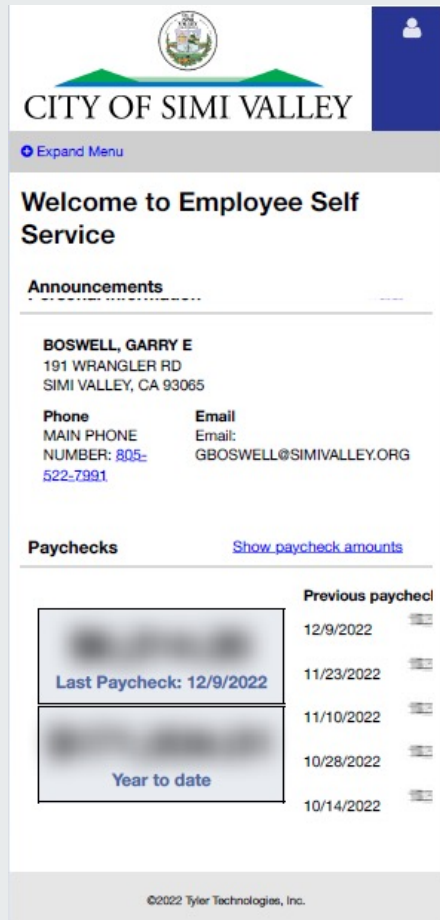


What will Simi Valley Look Like?

For the residents



What will Simi Valley look like for Staff?



CITY OF SIMI VALLEY

Expand Menu

Welcome to Employee Self Service

Announcements

BOSWELL, GARRY E
191 WRANGLER RD
SIMI VALLEY, CA 93065

Phone
MAIN PHONE
NUMBER: 805-522-7991

Email
Email:
GBOSWELL@SIMIVALLEY.ORG

Paychecks

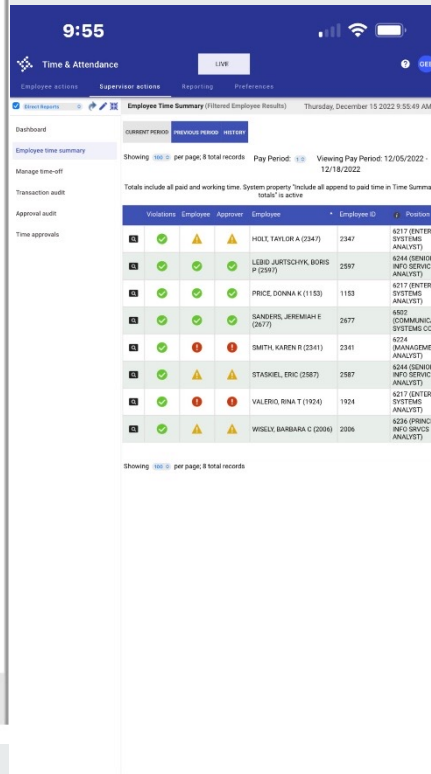
Show paycheck amounts

Previous paycheck

Last Paycheck: 12/9/2022

Year to date

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Time & Attendance

Employee actions Supervisor actions Reporting Preferences

Dashboard

Employee time summary

Manage time-off

Transaction audit

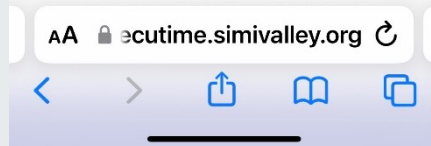
Approval audit

Time approvals

Showing 100 per page & total records

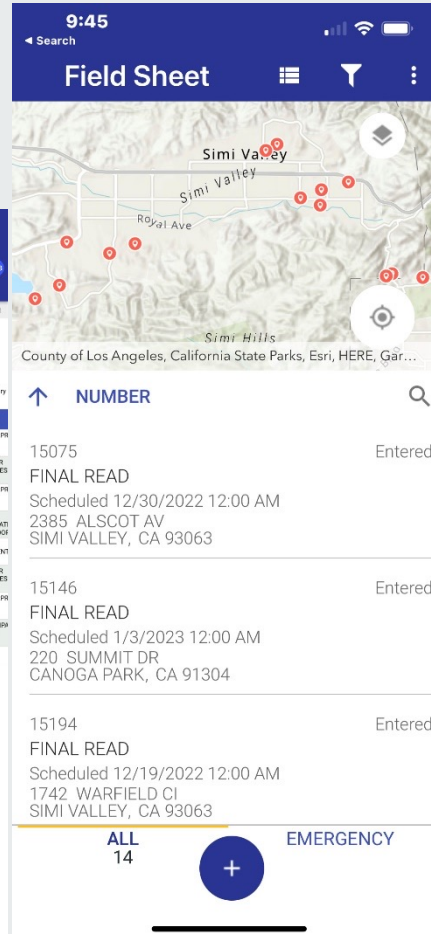
Violations	Employee	Appoint	Employee ID	Position
1	✓	✓	2347	6217 (ENTERPRISE SYSTEMS ANALYST)
1	✓	✓	2597	6264 (SENIOR INFO SERVICES ANALYST)
1	✓	✓	1183	6217 (ENTERPRISE SYSTEMS ANALYST)
1	✓	✓	2677	6502 (COMMUNICATIONS CODE)
1	✓	✓	2341	6214 (MANAGEMENT ANALYST)
1	✓	✓	2587	6264 (SENIOR INFO SERVICES ANALYST)
1	✓	✓	1924	6217 (ENTERPRISE SYSTEMS ANALYST)
1	✓	✓	2006	6216 (PRINCIPAL INFO SERVICES ANALYST)

Showing 100 per page & total records



AA ecutime.simivalley.org

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Field Sheet

Search

Simi Valley

County of Los Angeles, California State Parks, Esri, HERE, Gar...

NUMBER

15075

FINAL READ

Scheduled 12/30/2022 12:00 AM

2385 ALSHOT AV

SIMI VALLEY, CA 93063

15146

FINAL READ

Scheduled 1/3/2023 12:00 AM

220 SUMMIT DR

CANOGA PARK, CA 91304

15194

FINAL READ

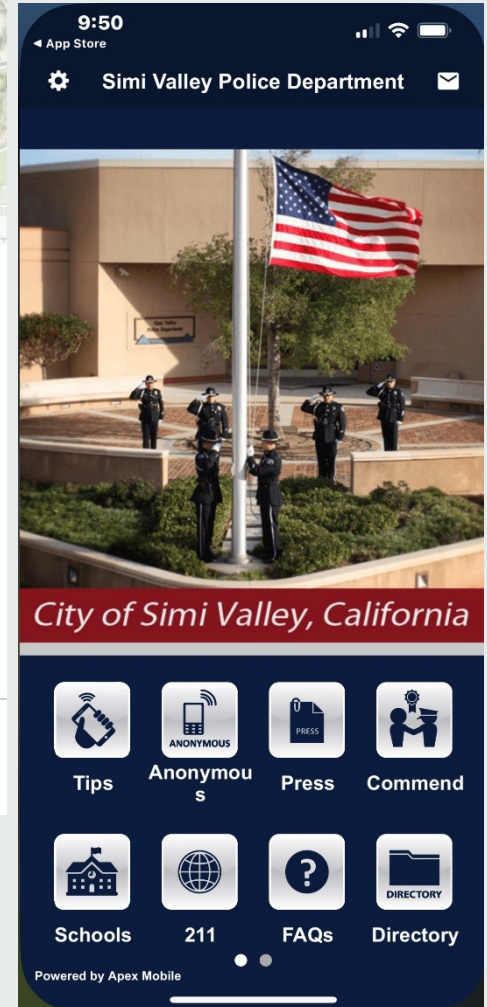
Scheduled 12/19/2022 12:00 AM

1742 WARFIELD CI

SIMI VALLEY, CA 93063

ALL 14

EMERGENCY



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App Store

Simi Valley Police Department

City of Simi Valley, California

Tips

Anonymous

Press

Commend

Schools

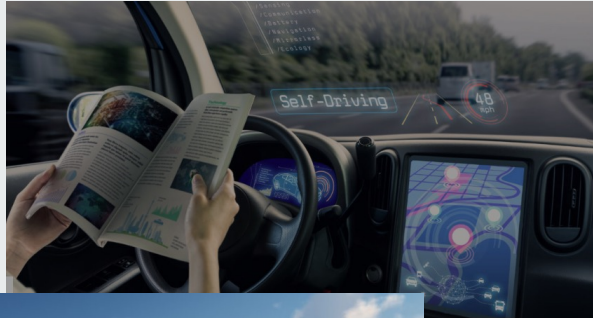
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FAQs

Directory

Powered by Apex Mobile

Every City will be a smart City





Smart City Strategic Planning

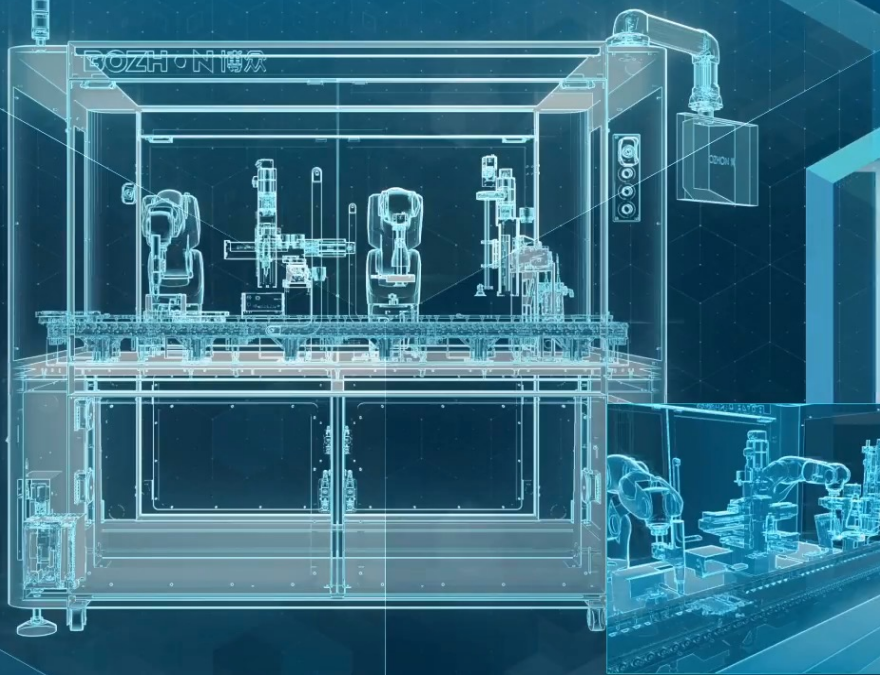
Trends that are
here to stay



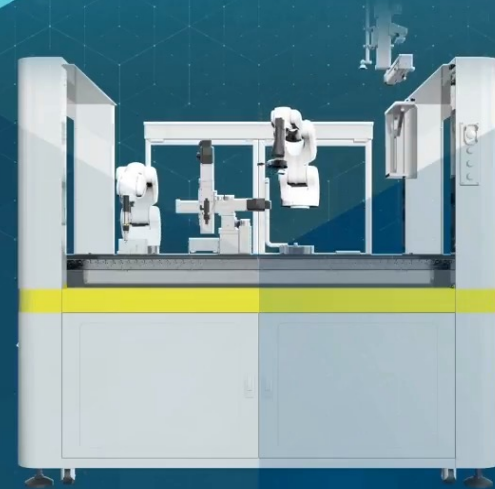
Trending Smart City Term

Digital Twinning – driven by IoT

Digital Twin

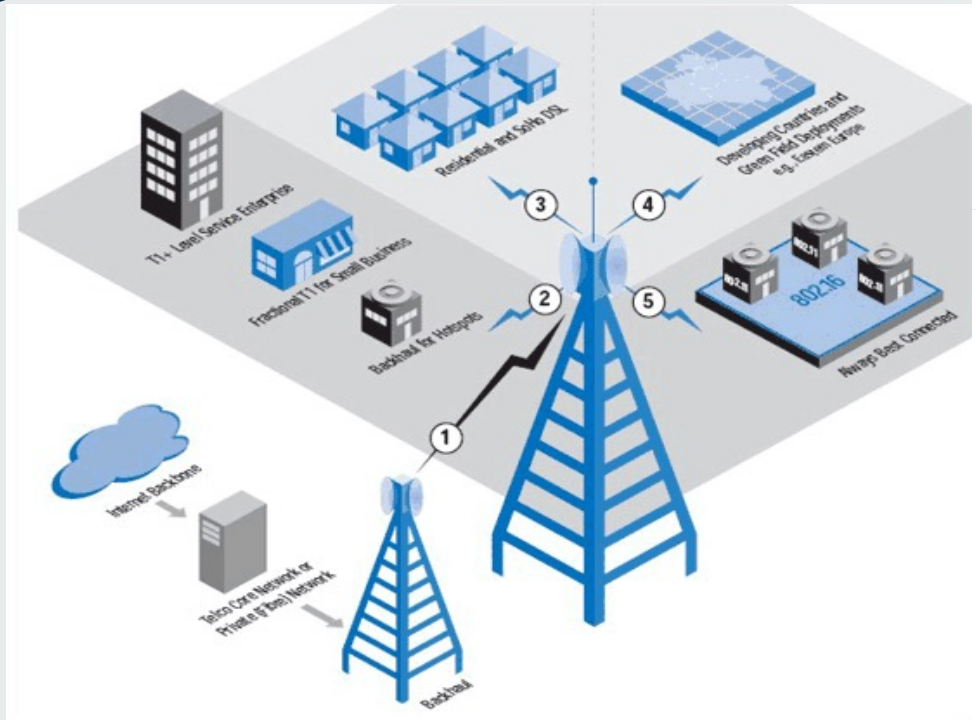


Real Machine



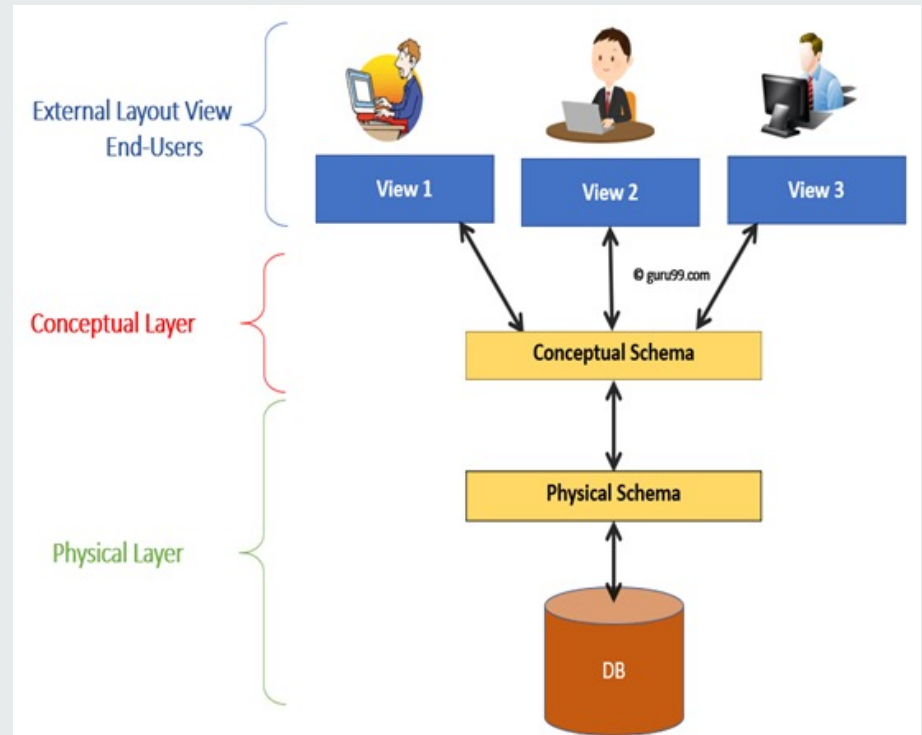
Getting Started: Infrastructure Inventory

- Connectivity is Key
 - Conduit - don't forget the traffic engineer!
 - Fiber
 - City owned
 - Vendor provided
 - Wireless
- Inventory Network Infrastructure Alternatives



Key Trends – Digital Innovation

- Digital Innovation
 - Application Integration
 - Turning data into Information
 - Dashboards
 - Resident Centric Online Services



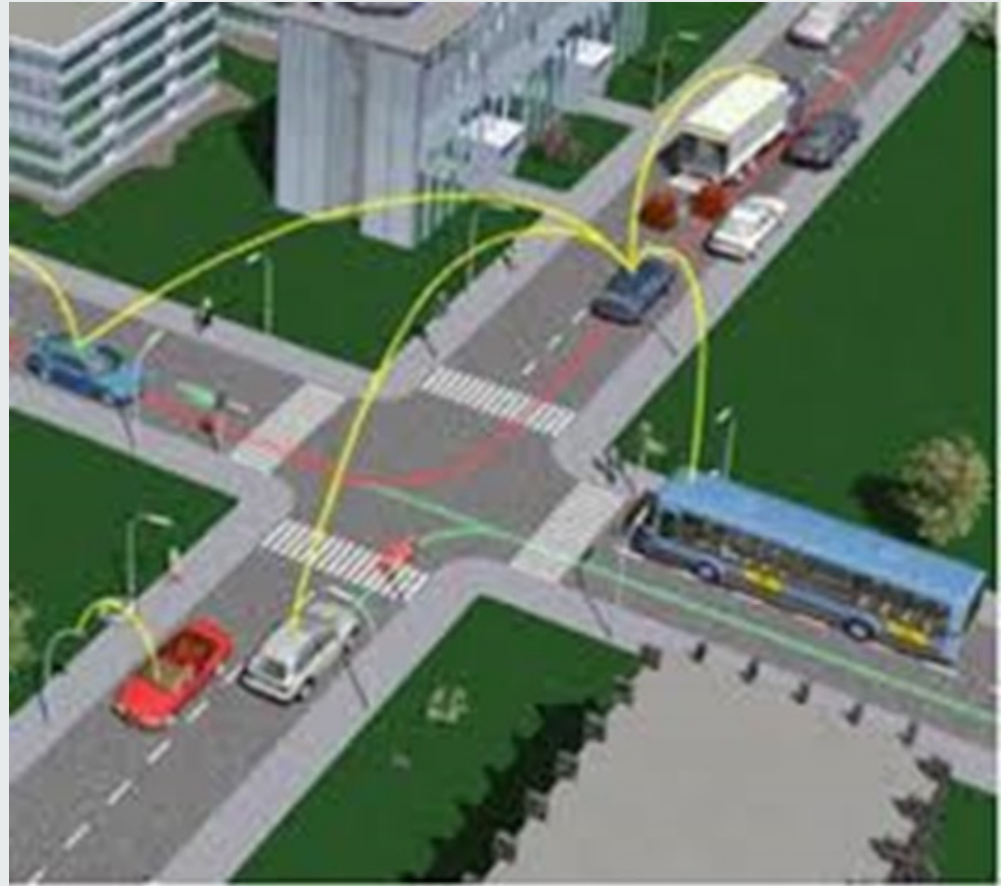
Key Trends – Public Safety

- Public Safety Smart City Projects
 - Multiple camera/video solutions
 - Smart analytics



Key Trends – Traffic Management

- Includes:
 - Alternative & Green Transportation
 - Traffic Management
 - Traffic Flow
 - Smart Controllers
 - Parking Management



Key Trends – Cybersecurity/Resiliency

- Cybersecurity – Important for Smart Cities too!
 - Increasing IT Budgets
 - Using Lots of Resources
- Planning for Resiliency
 - The Unexpected Happens
 - Maintain Services
 - Communicate with residents





Questions?

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