

IES | **SF** Education

2015 SPRING
SEMINARS



Gensler

Lighting & Placemaking

Part 3- Smart City



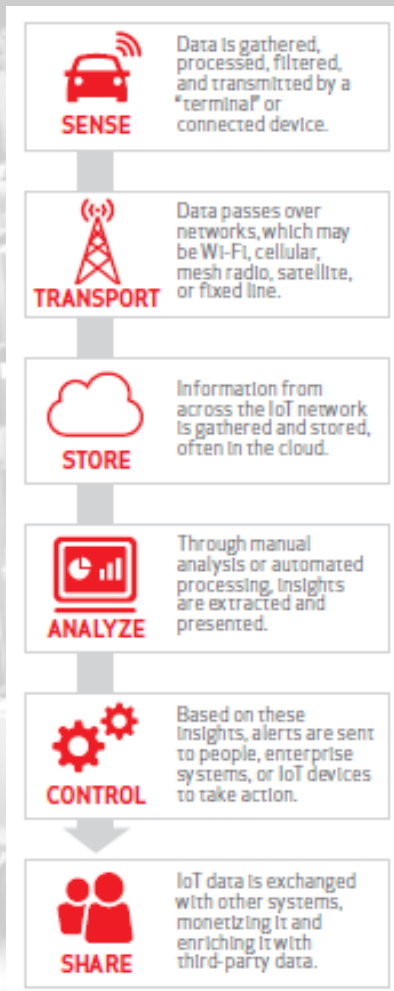
Zachary Gentry
VP, Business Development
Enlighted, Inc.
www.enlightedinc.com



Smart City Concepts

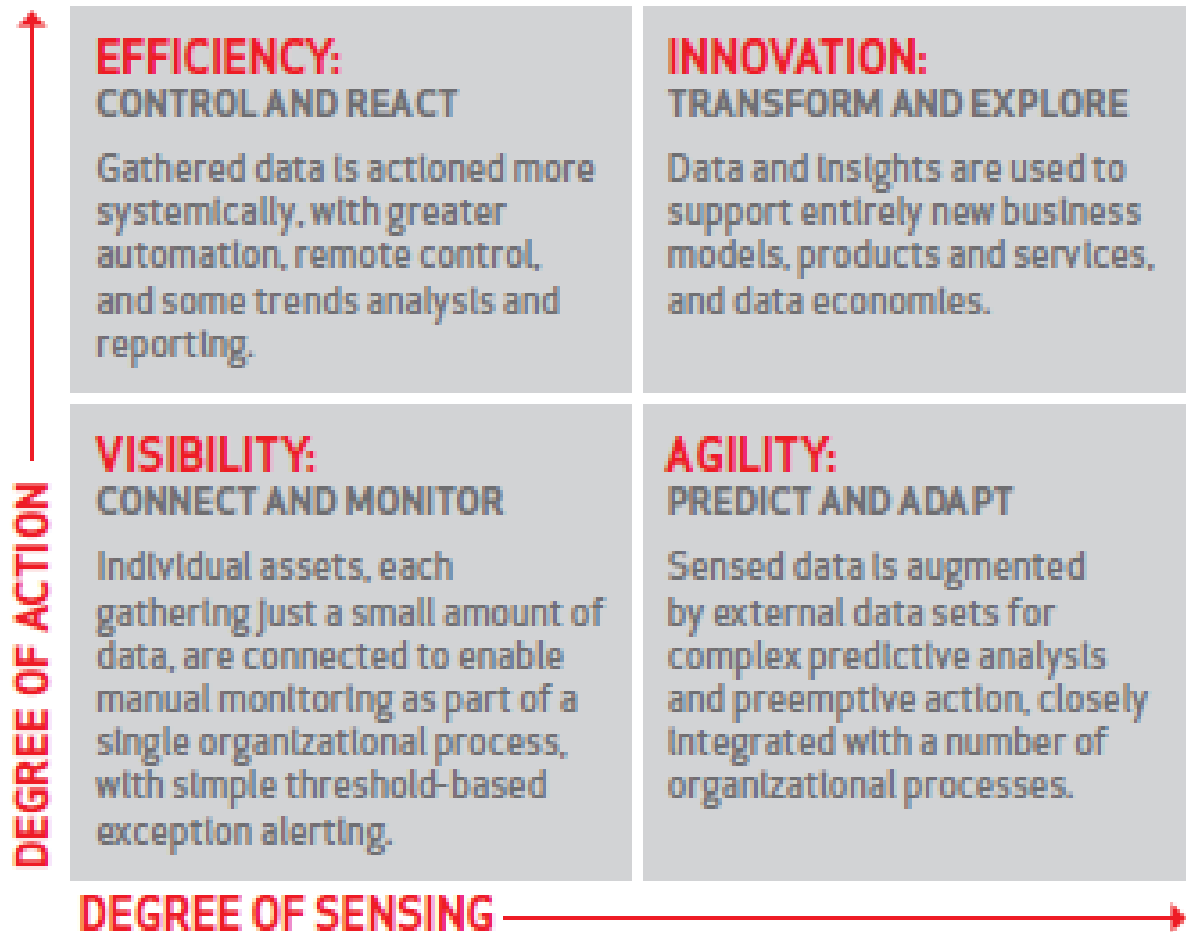
- Smart Transportation
- Smart Buildings
- Smart Citizens
- Smart Resources (Water, Energy, Waste)
- Every “Smart” connected to every other “Smart”

Definition: Internet of Things (IoT)

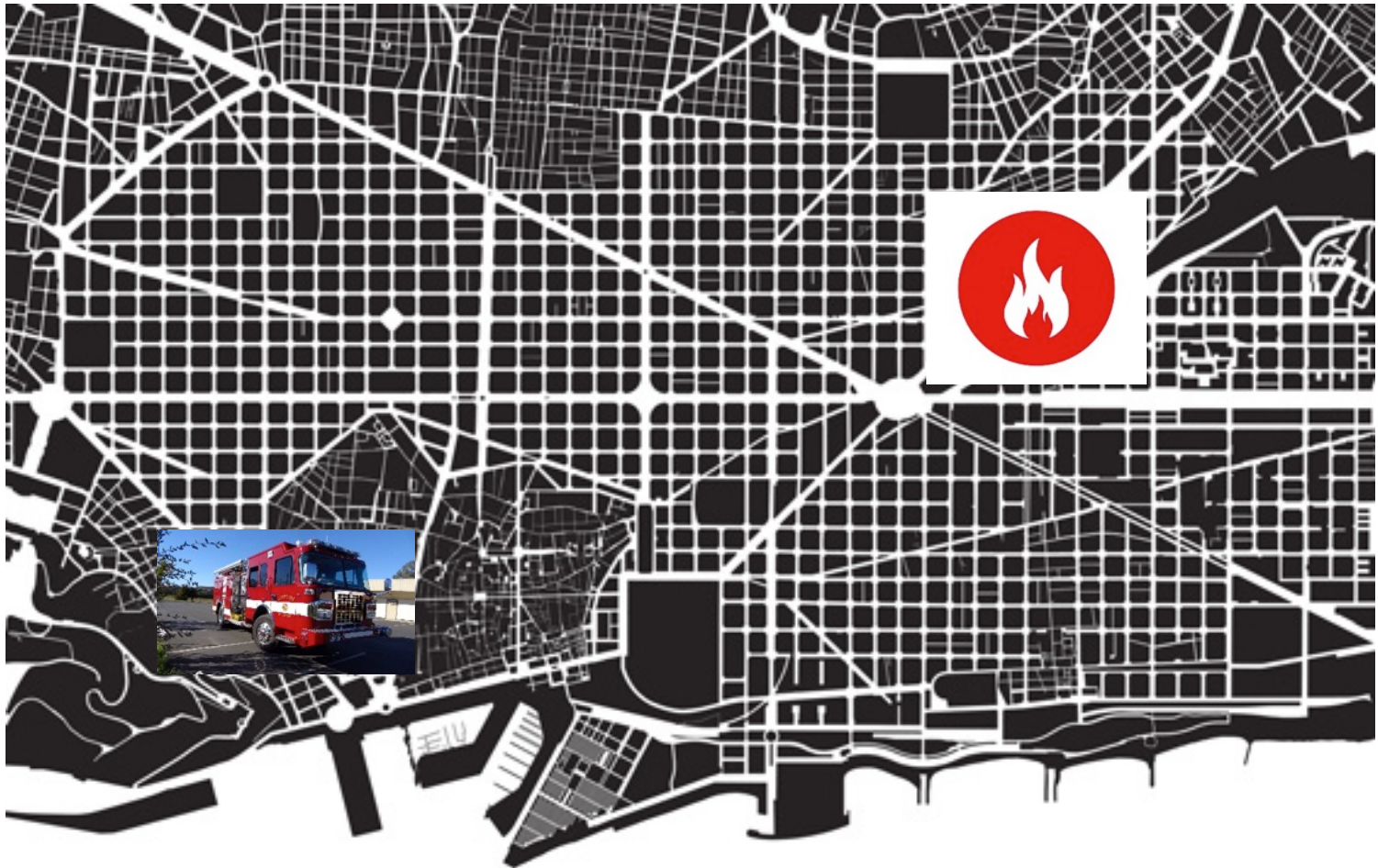


In order to obtain value from remote objects, all components of an IoT system must be in place


Where are the elements of potential value?



Case Studies of Potential Value: Fire Safety





Building IoT


Date: 2014-08-24  Sunday


Get Sensor Data


Current Time
03:18:00



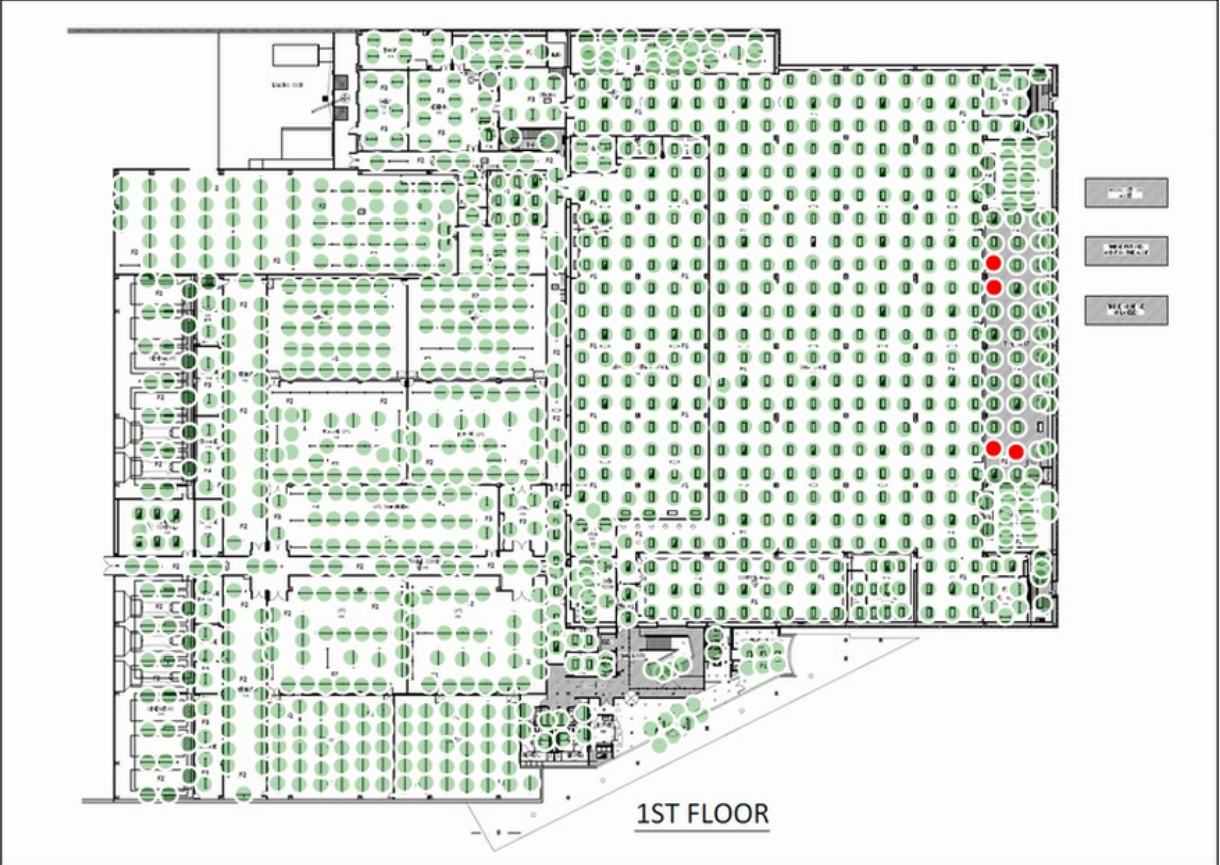
Minute 

Hour 

-5 sec  +5 sec

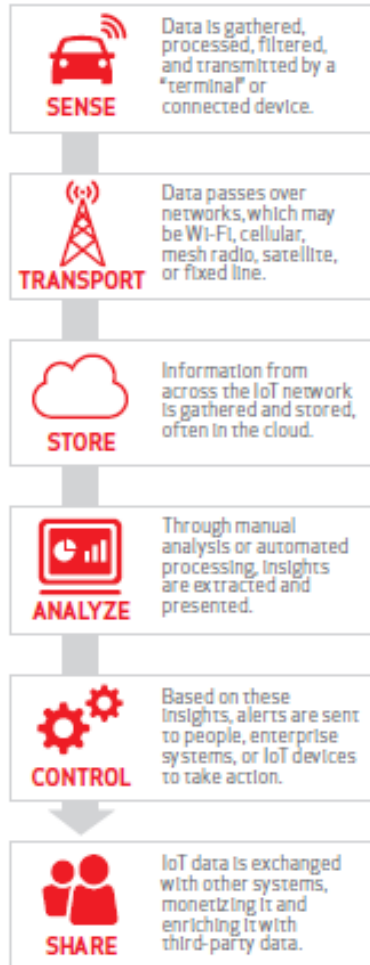
Animation speed:  500 ms

Floorplan



1ST FLOOR

Urban Realities



- **TRANSPORT:** Building, Personal and Urban Network Requirements differ
- **STORAGE:** Building, Personal and Urban Storage will not be held in common





What is needed?

- Bridges and Gateways
- Security and Handshakes
- Automated Management
- Redundancy
- “Smart” Governance