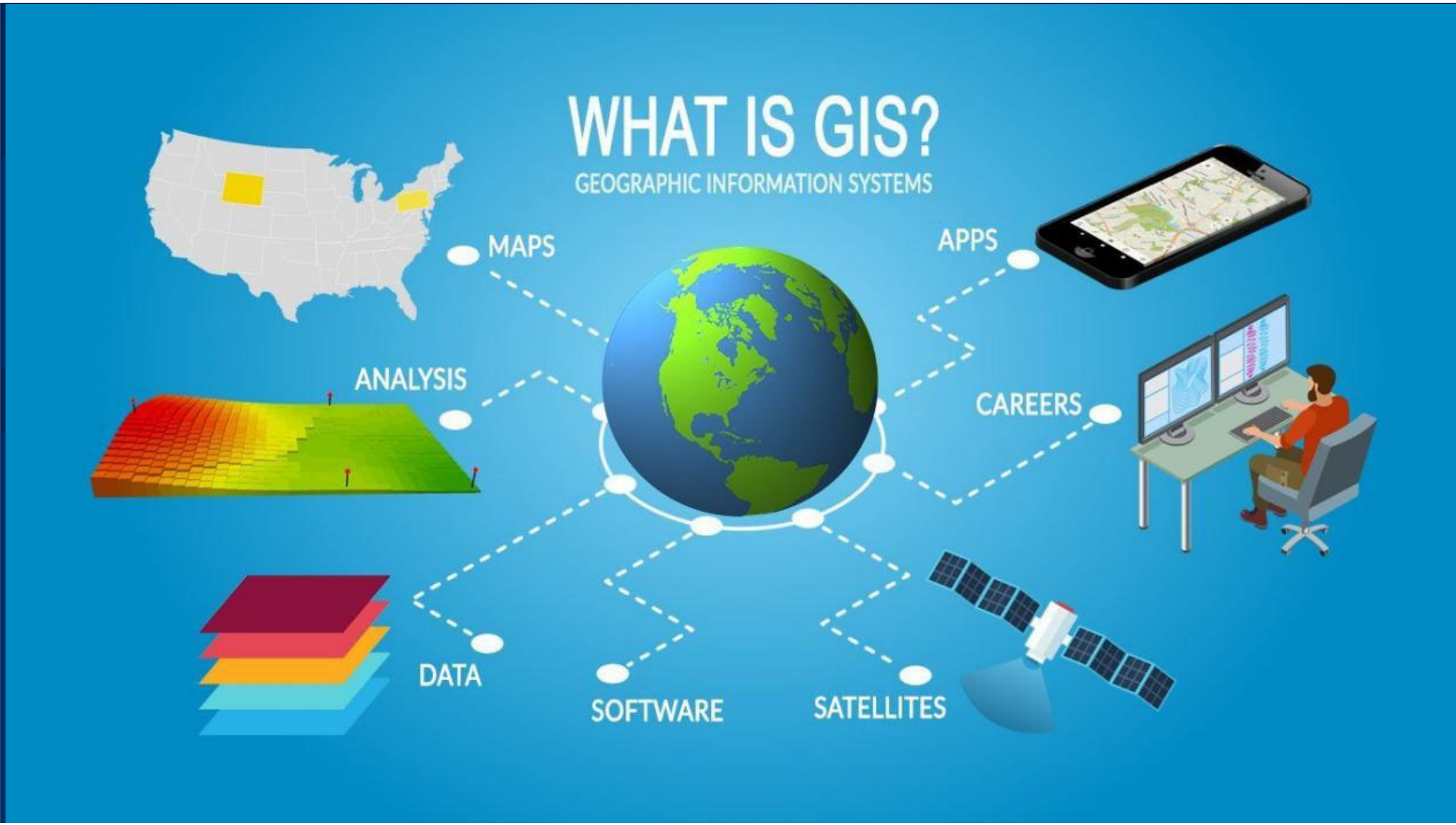
Innovation & Technology
GIS

CUPERTINO


WHAT IS GIS?
GEOGRAPHIC INFORMATION SYSTEMS
MAPS
APPS
ANALYSIS
CAREERS
DATA
SOFTWARE
SATELLITES

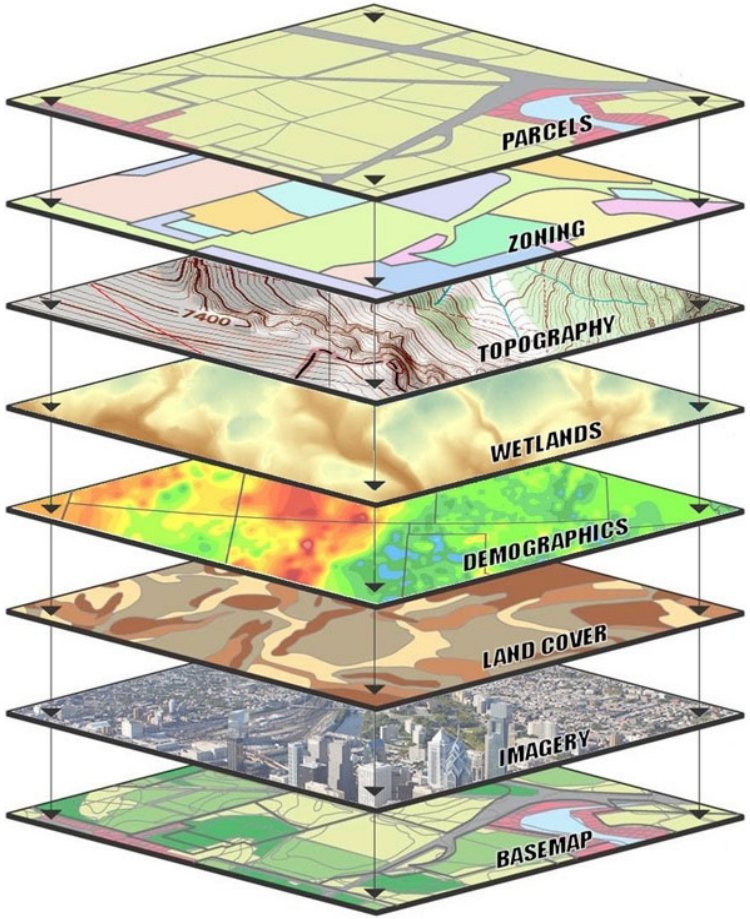
GIS Core Functions

GIS Core Functions

- Increase staff awareness of GIS tools & capabilities

GIS Core Functions

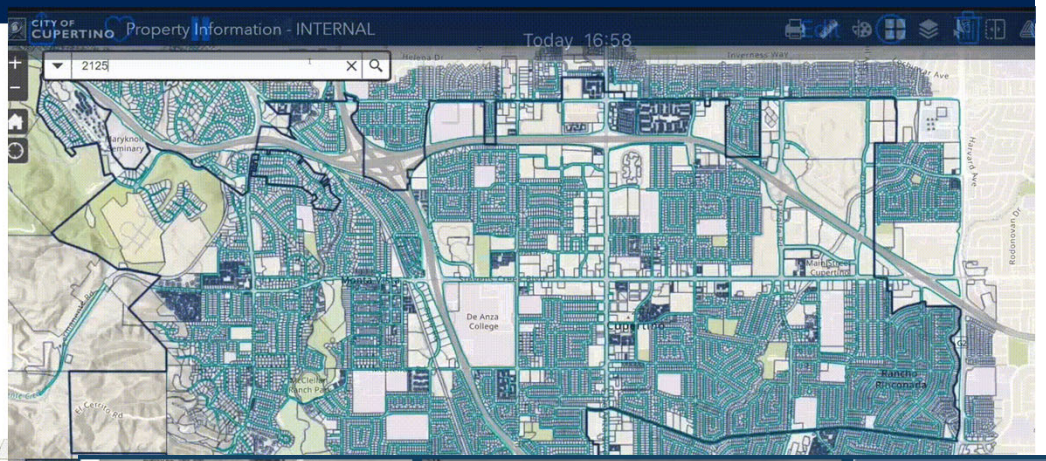
- Data
  - Designing
  - Building
  - Maintenance

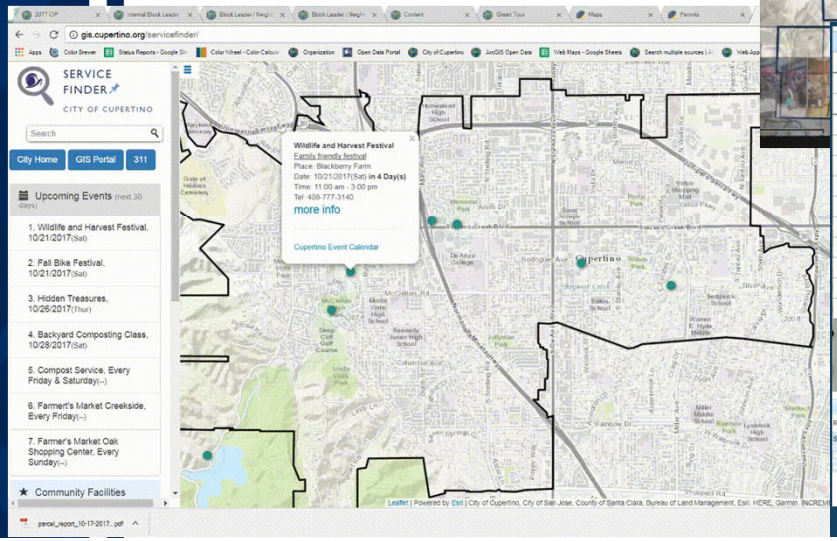


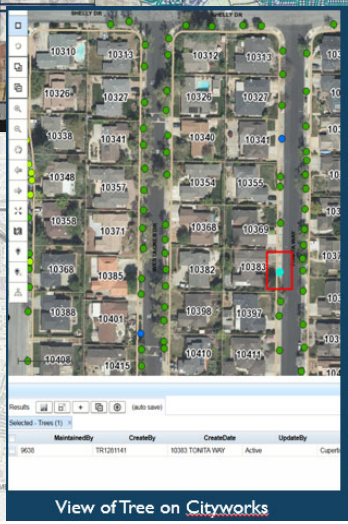
And more!
Trees
Sidewalk
Signs
Edge of Pavement
Street Striping
Sign Supports
Median
Roads
Legends
Storm Drain

GIS Core Functions

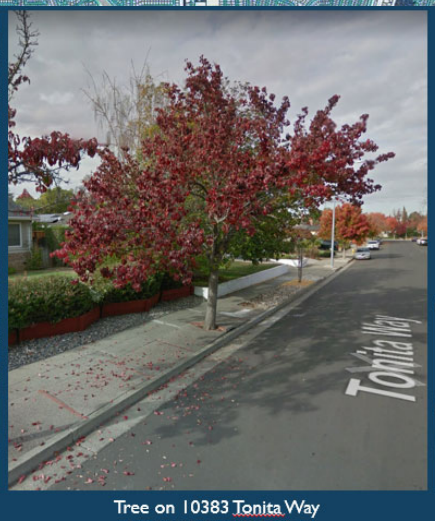
- Service Requests
- App Support







View of Tree on Cityworks

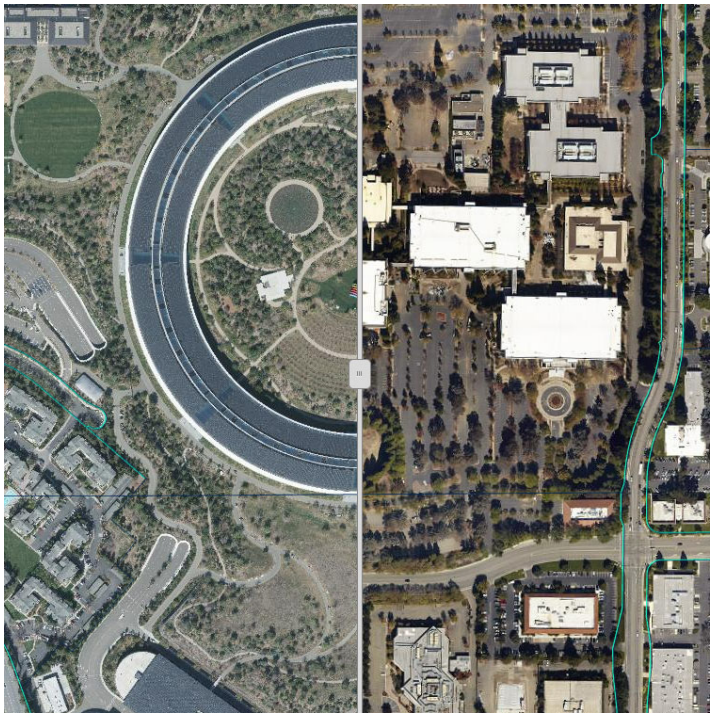


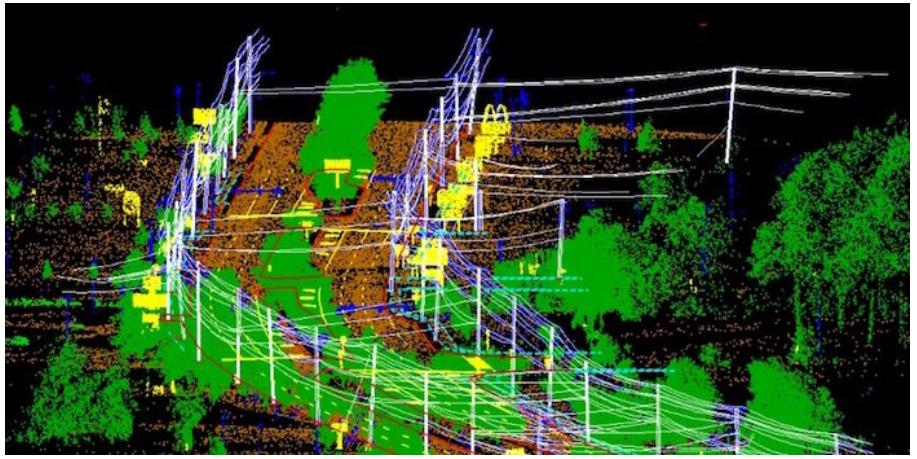
Tree on 10383 Tonita Way

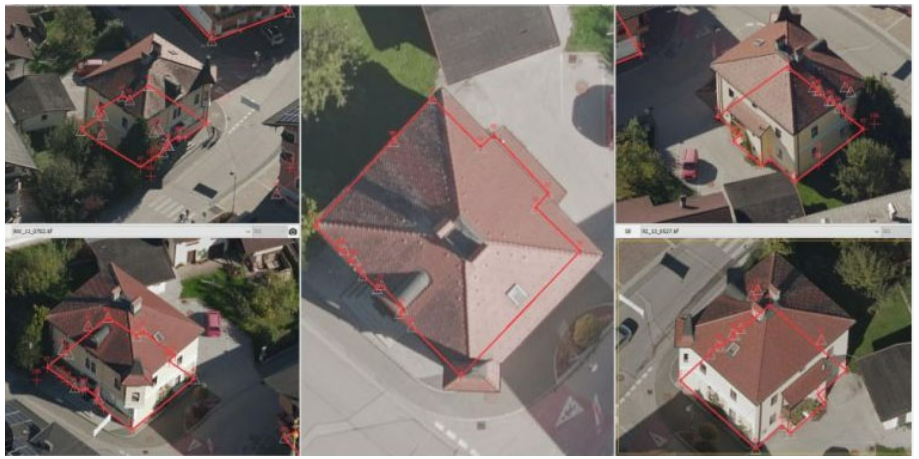
Work history on Tree

GIS Core Functions

- Aerial Acquisition

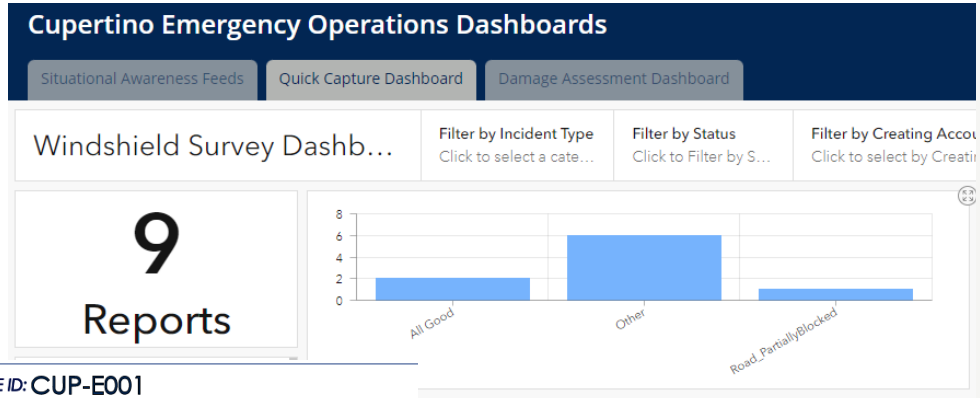


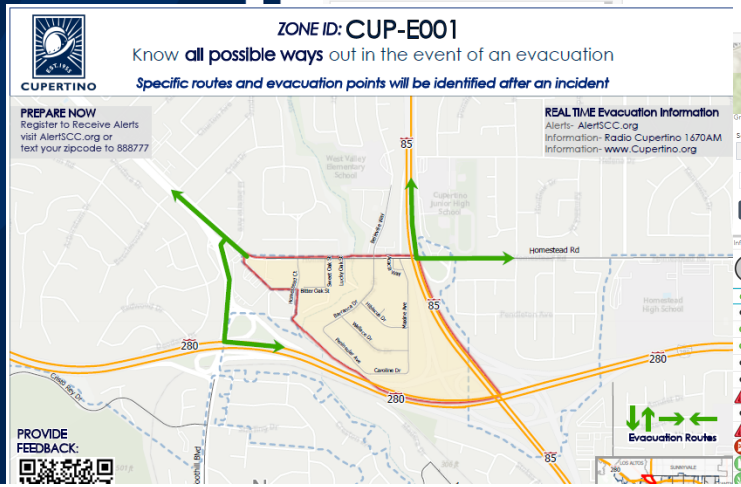


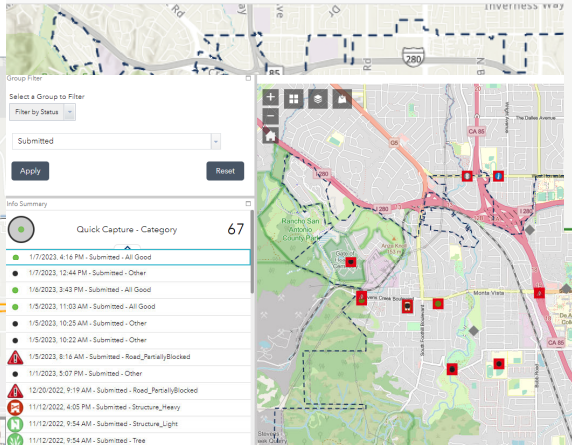


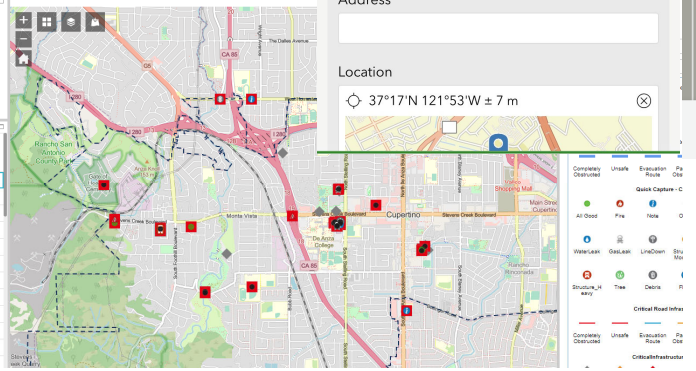
GIS Core Functions

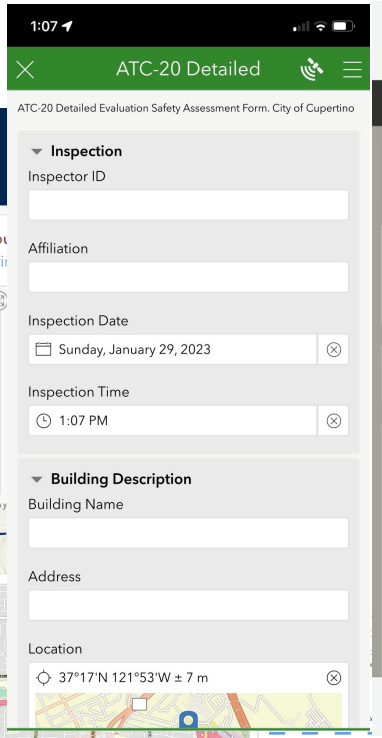
- Disaster Preparedness









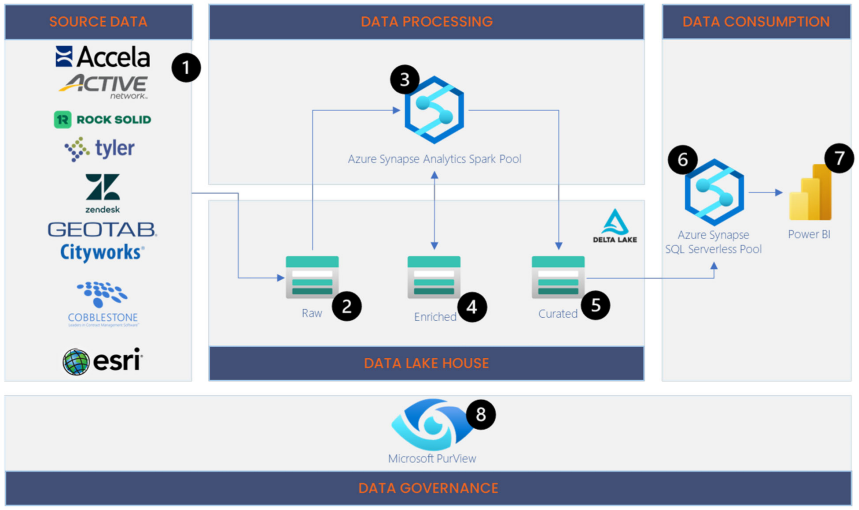


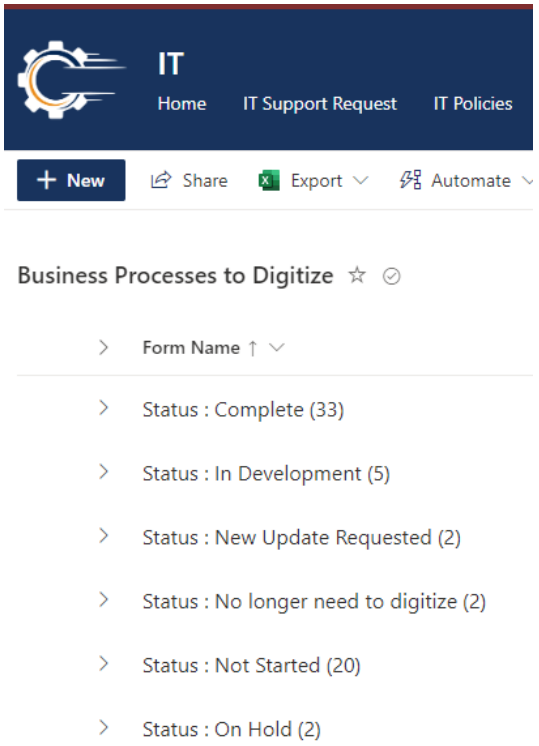
FY23 Projects

FY23 Projects

- Move to Enterprise GIS
- Business Process Automation
- Data Warehouse

2. Conceptual Solution Architecture:





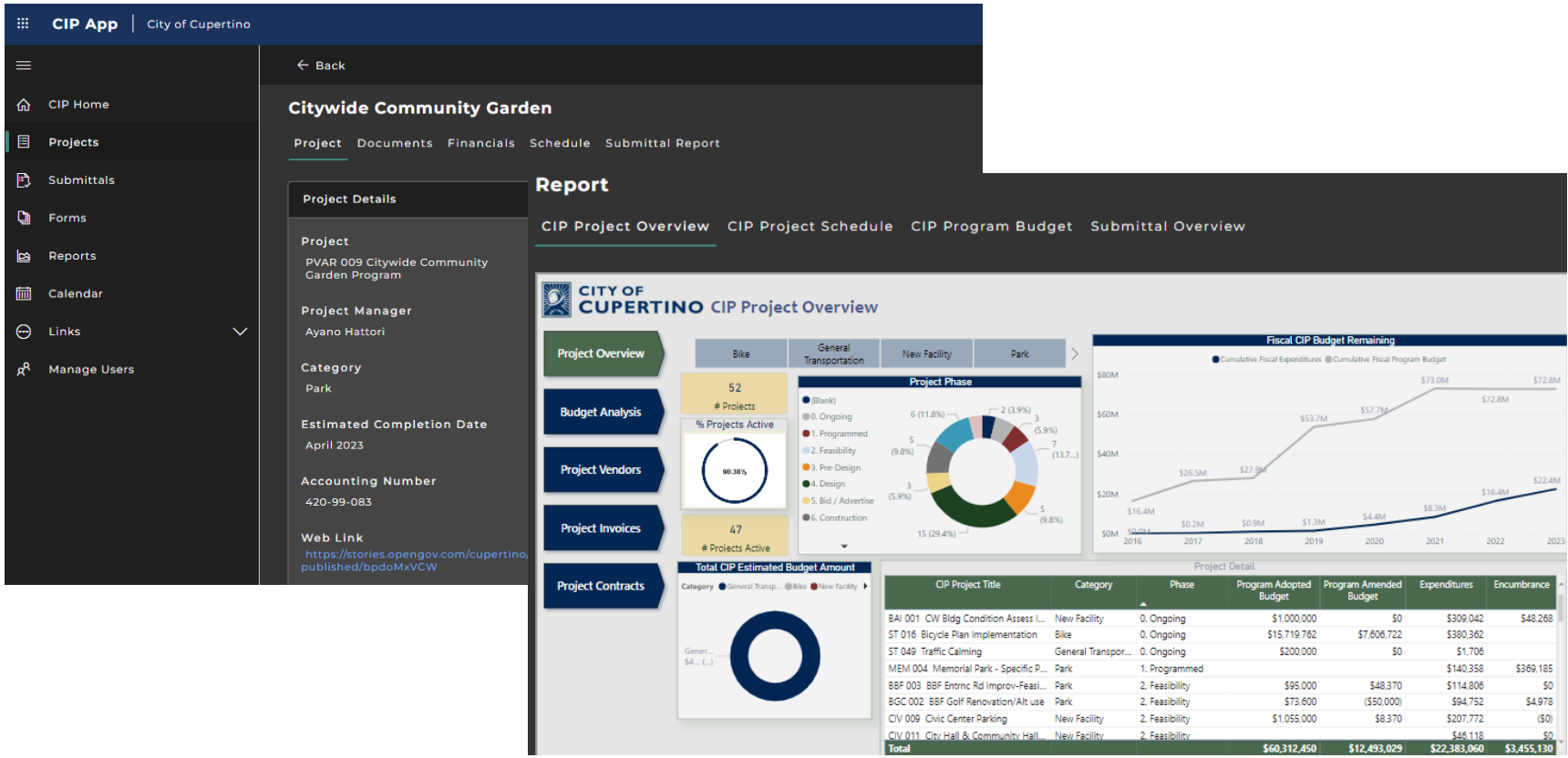
FY22 Admin Projects

- Laserfiche Roadmap

	Complete		In Progress		Not Started				
Laserfiche Roadmap									
Division	**Create FP Mock-up**	**Refine FP**	**Implement FP in LF**	**Move Existing LF to New Structure**	**Establish Dayforward Process**	**Move Records from ND or Accella to LF**	**Web-link Training**	**Assess Scanning Needs**	**Scanning Historic Records**
PW									
PW Dev									
PW CIP									
PW Operations									
PW Transportation									
PW Environmental									
Admin Services									
HR									
Finance									
Parks and Rec									
Senior Center									
Sports Center									
Mchelan Ranch , BBF, Golf Course									
Business Division (Quinlan)									
Com Dev									
Planning									
Housing									
Code Enforcement									
Building									
Economic Dev									
City Manager									
Clerk									
Sustainability									
Communication									
Video									
OES									
Innovation & Technology									
GIS									
Applications									
Infrastructure									
City Attornies Office									
City Attornies Office									

FY23 Projects

- CIP Management System



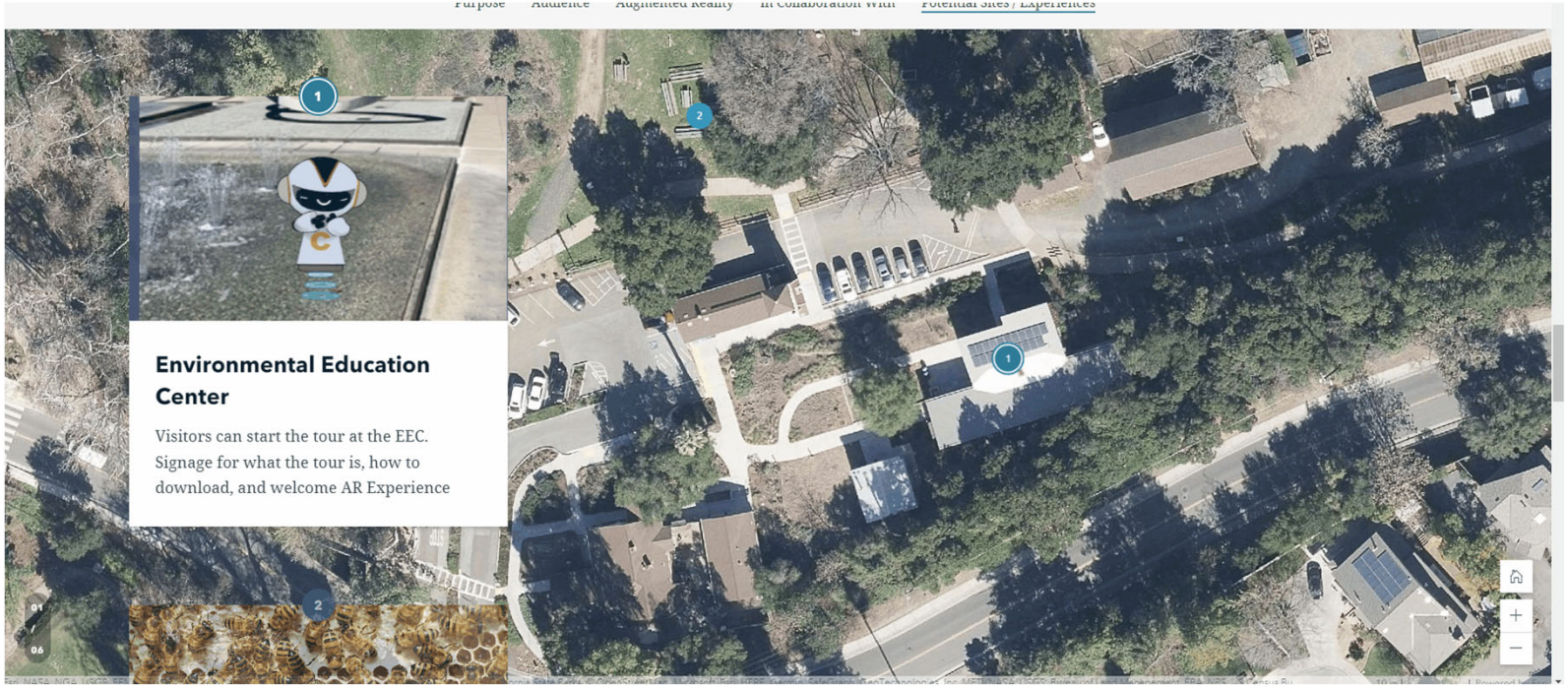
FY23 Projects

Augmented Reality (AR) Tour of McClellan Ranch

- Using AR to show unique features of the park
- Educational games for school-aged children and parents
- Collaborative effort between City of Cupertino, Balance Studios, and various groups at McClellan Ranch

FY23 Projects

Augmented Reality (AR) Tour of McClellan Ranch



FY23 Projects

Drone Program Goals

- Continue Staff Training
- Increase Awareness of Program
- Procedures for Point Cloud and Contour Creation
- Detailed Facility Flyovers

FY23 Projects

- Streetlight Conversion StoryMap
- Aerial
- GeoTab Keyless Entry
- Telematics Expansion
- Cityworks Storeroom Upgrade
- Cityworks Sidewalk Revamp
- Crisis Incident Management System

Thank you

Questions?