Technology and Product Update - LARIAC

July 28th, 2016

Agenda

- New Technical Manager
  - Amanda Tovey
- Product Updates
  - CONNECT
  - ArcGIS Desktop Plugin
  - ArcGIS Pro Plugin
  - WFS
- Deployment Options – Current
  - IPA
  - Gateway
- Deployment Options – Optional (available through Pictometry)
  - Web App Builder Widget
  - Image Service
- CONNECT360
- FutureView

New Technical Manager

Amanda Tovey

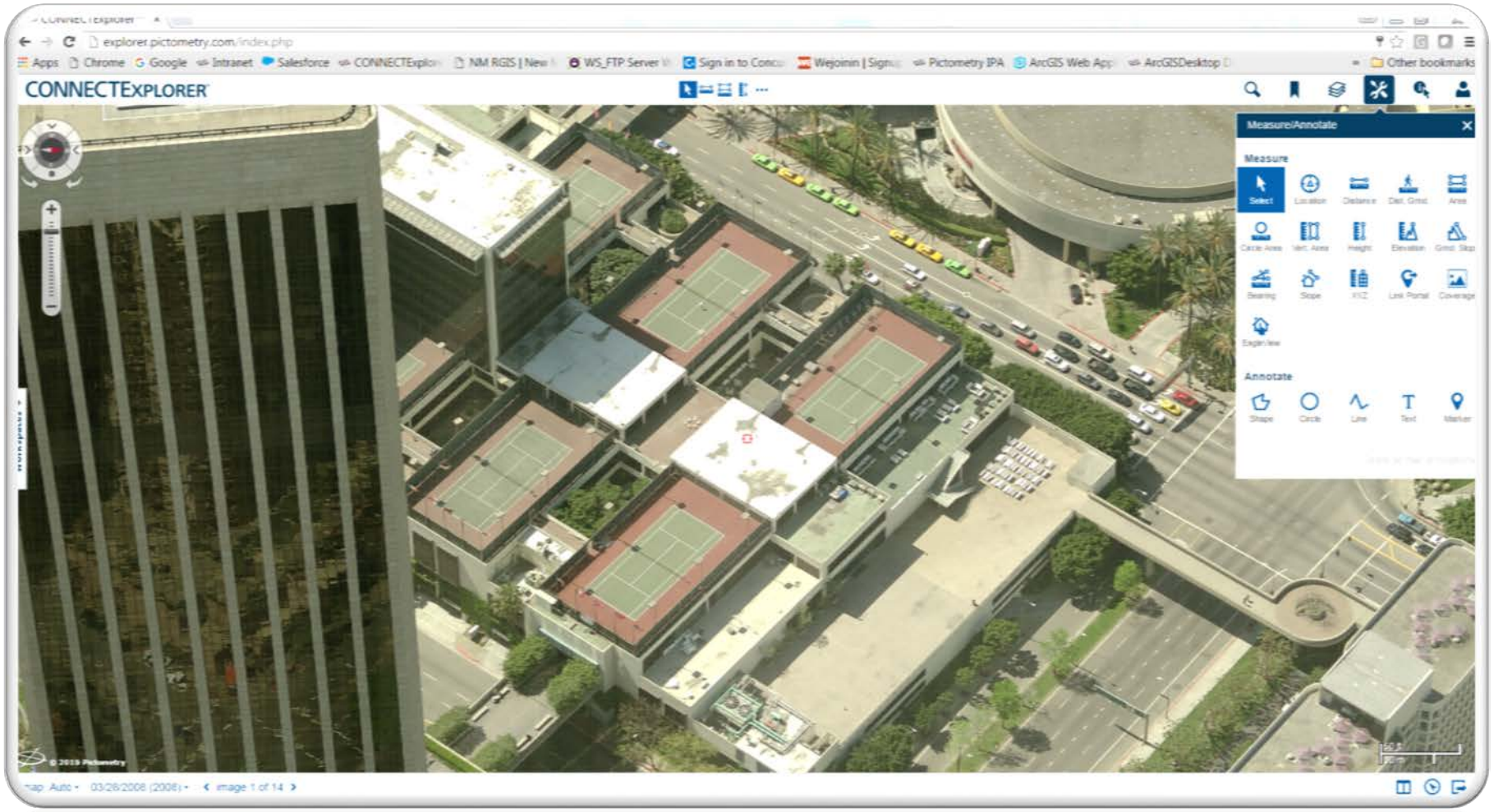
Technical Manager – Southern California, Arizona and New Mexico

amanda.tovey@pictometry.com

(602) 228-8232

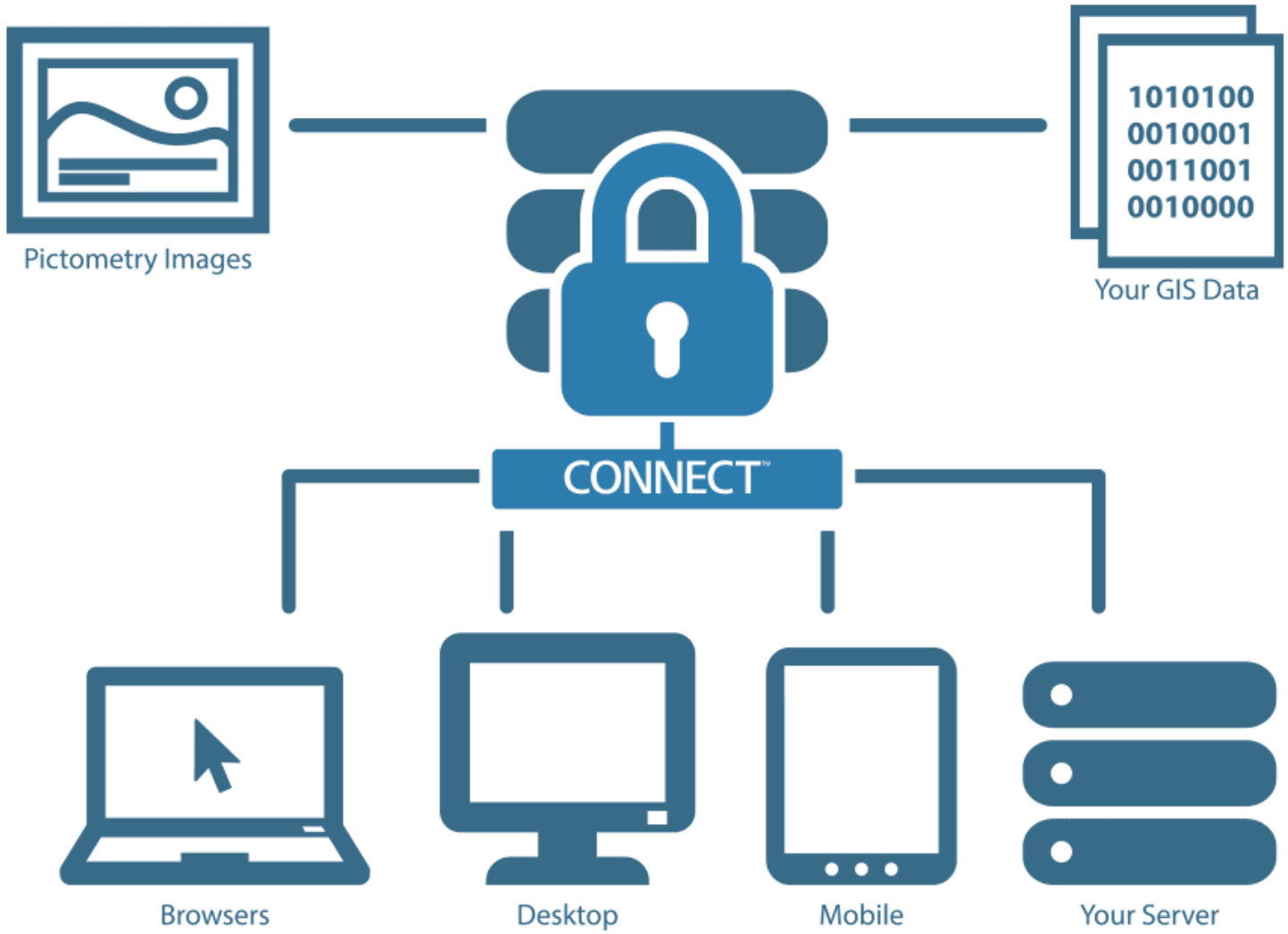
Product Updates

CONNECTExplorer Online?



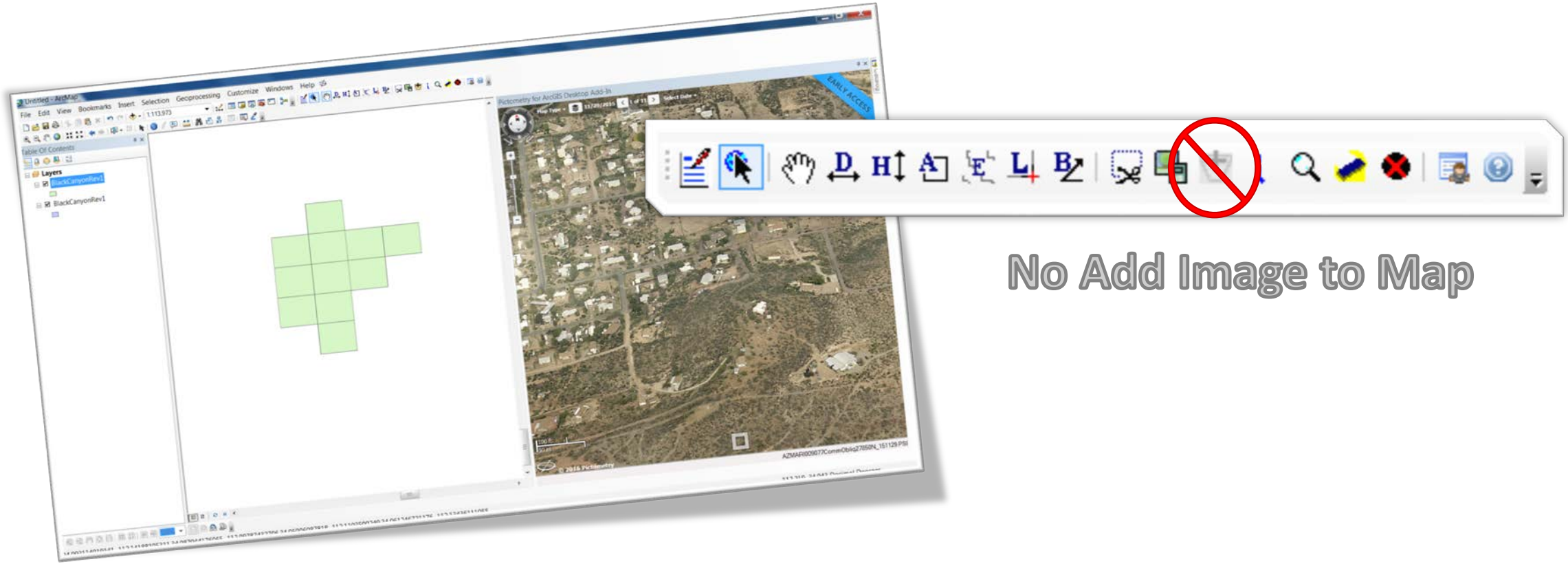
Product Updates

CONNECT Platform



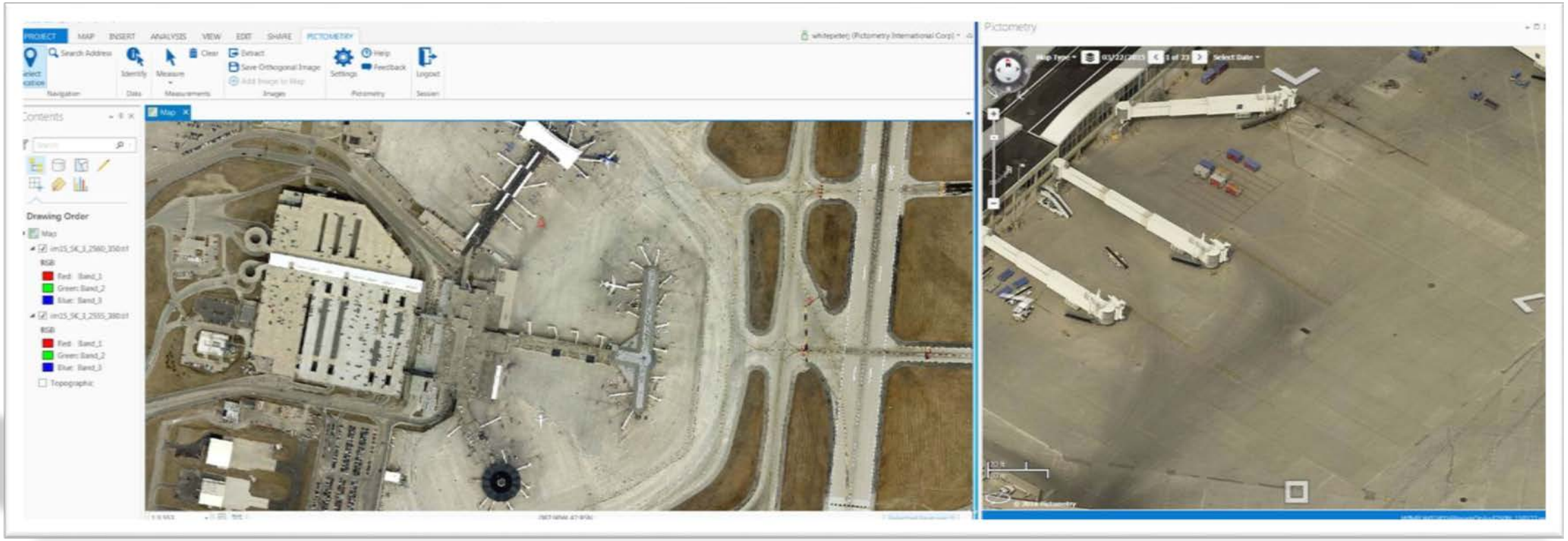
Product Updates

- ArcGIS Desktop Plugin
  - 10.4 has not been released – add image to map functionality not working
  - 10.3.1 version functional in ArcGIS Desktop 10.4 ***except*** add image to map



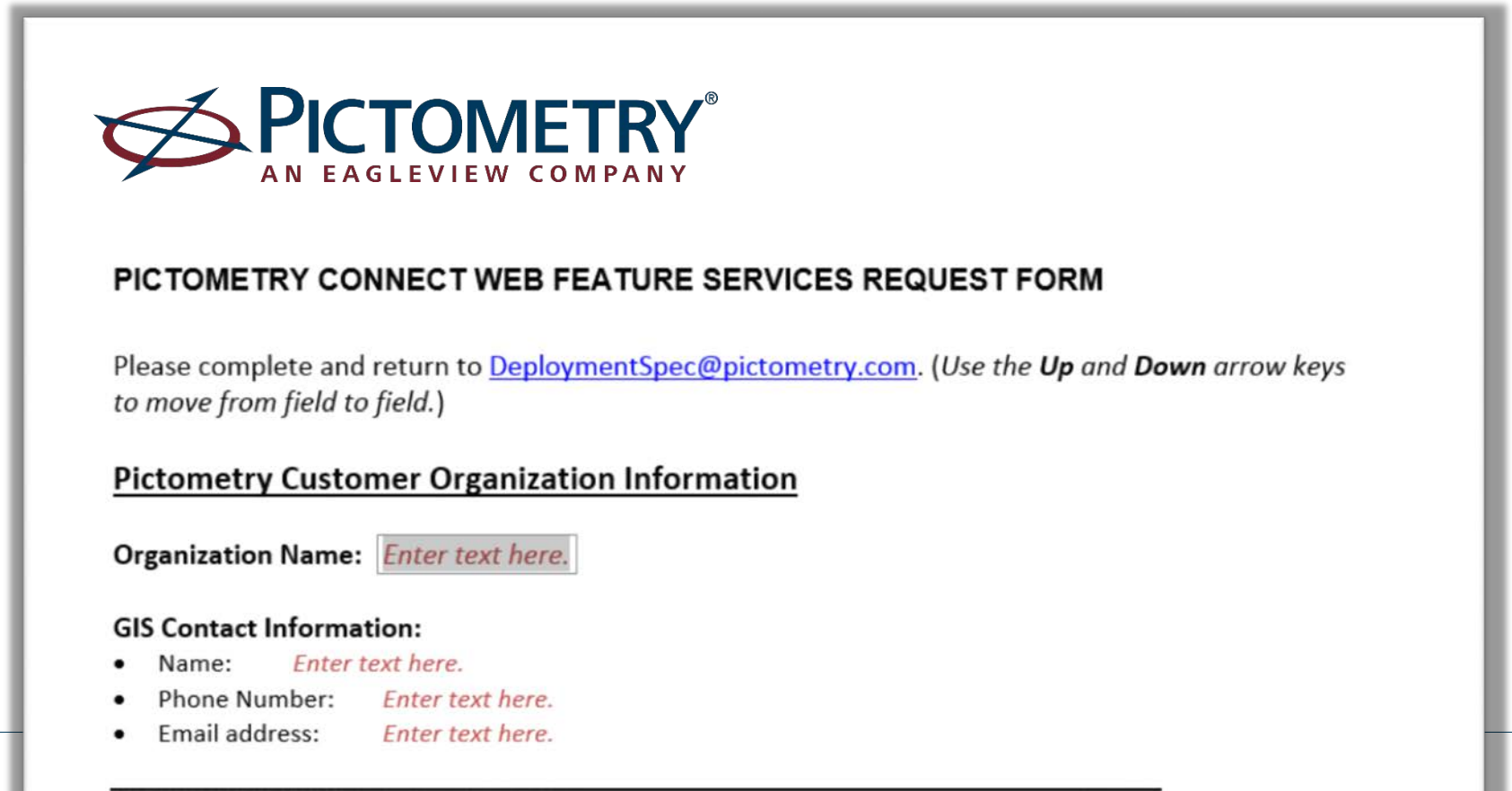
Product Updates

- ArcGIS Pro Plugin
  - Plugin is in prerelease, but will function the similar to ArcGIS Desktop
  - If interest, please contact me and we can keep you updated on release information



Product Updates

- WFS for CONNECT
  - MUST be accessible over public internet
  - Can authenticate using HTTP/Windows Authentication only



PICTOMETRY®
AN EAGLEVIEW COMPANY

PICTOMETRY CONNECT WEB FEATURE SERVICES REQUEST FORM

Please complete and return to DeploymentSpec@pictometry.com. (*Use the **Up** and **Down** arrow keys to move from field to field.*)

Pictometry Customer Organization Information

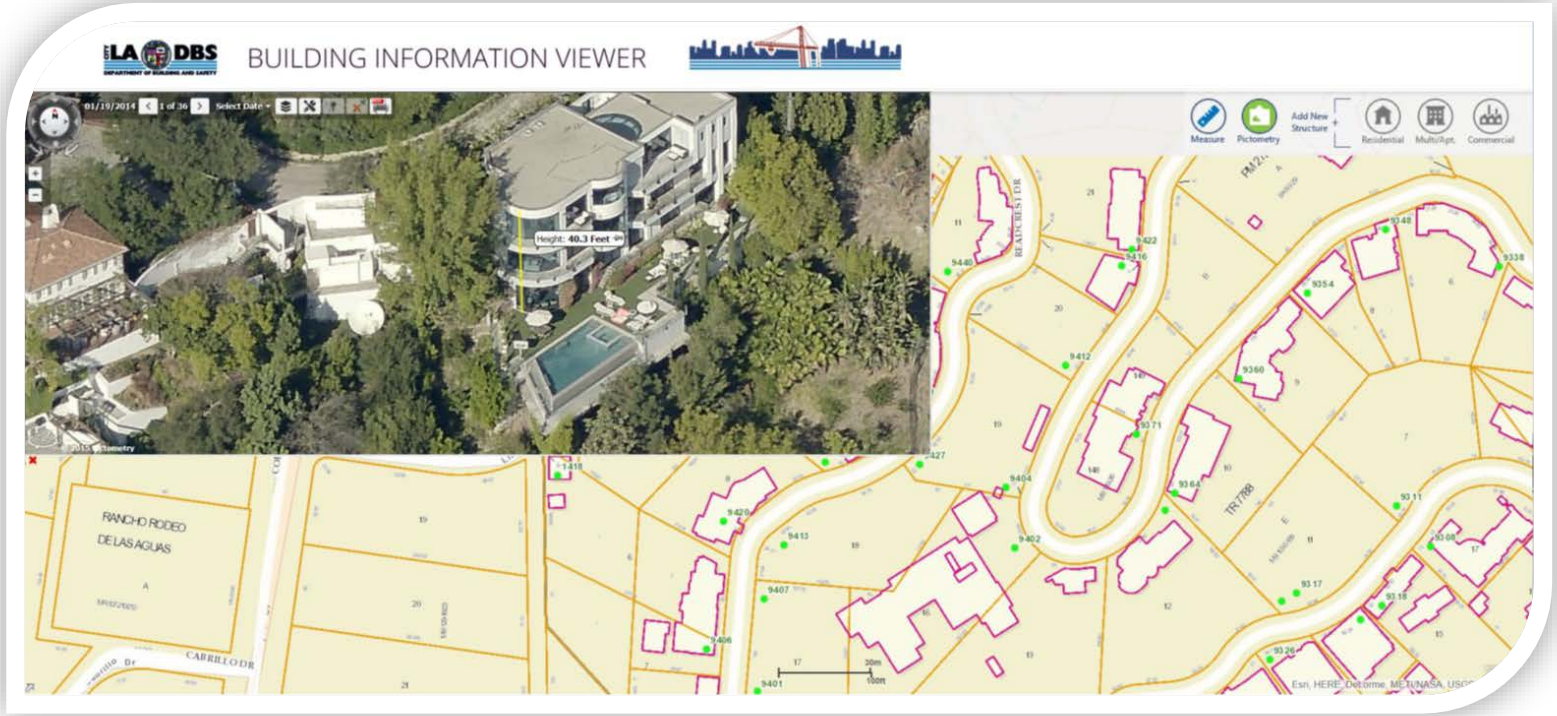
Organization Name: *Enter text here.*

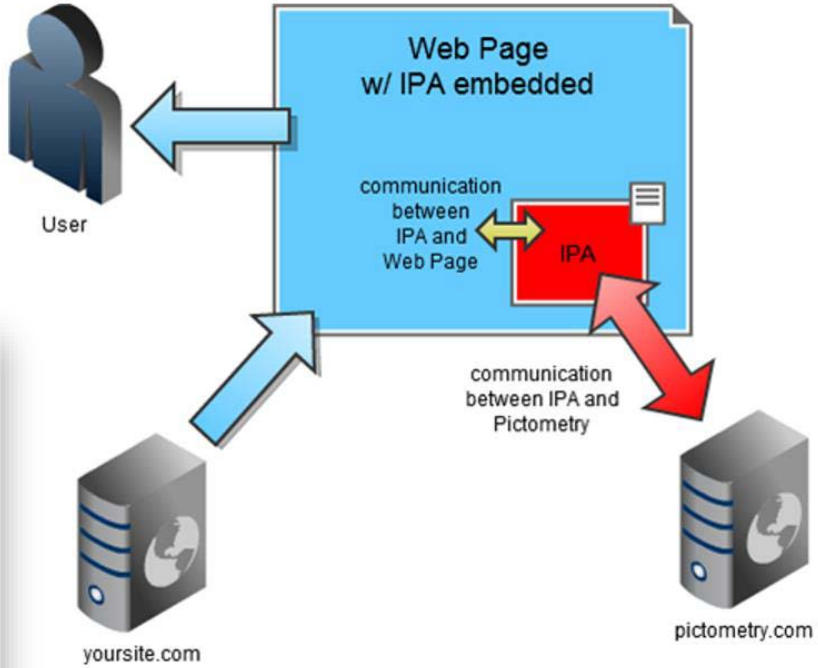
GIS Contact Information:

- Name: *Enter text here.*
- Phone Number: *Enter text here.*
- Email address: *Enter text here.*

Deployment Options - Current

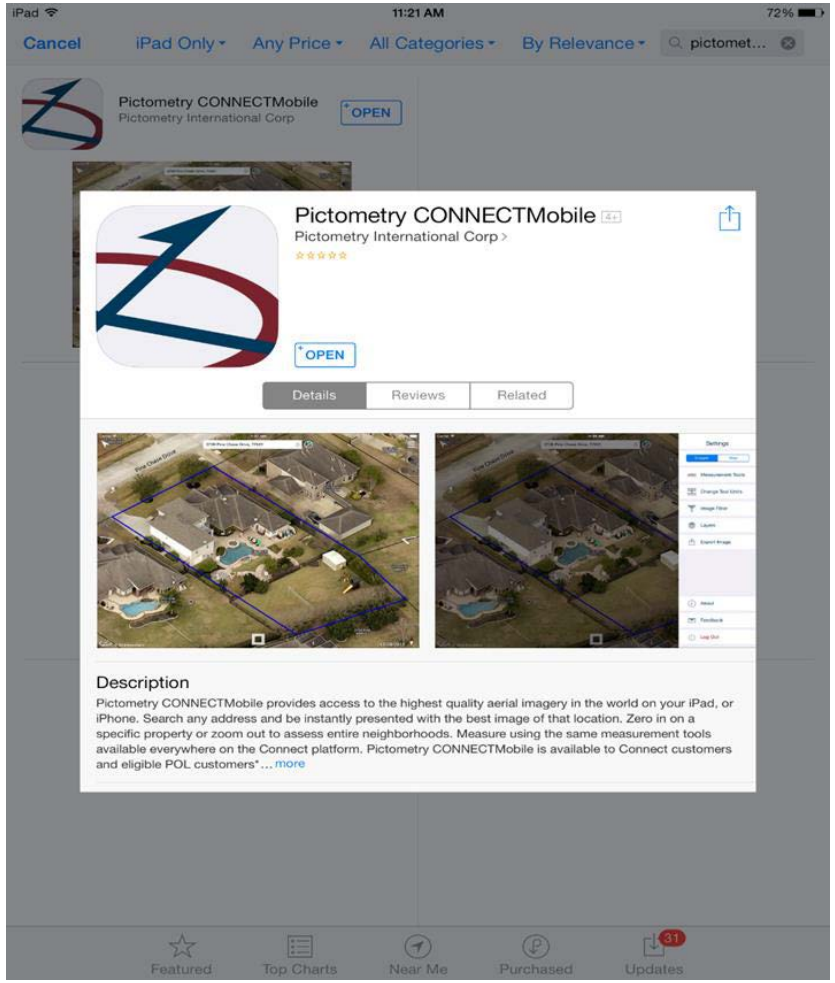
- Integrated Pictometry Application (IPA)
  - Web integration with Pictometry hosted obliques and orthos
    - Uses JavaScript and iframes
  - Can be internal or face the public

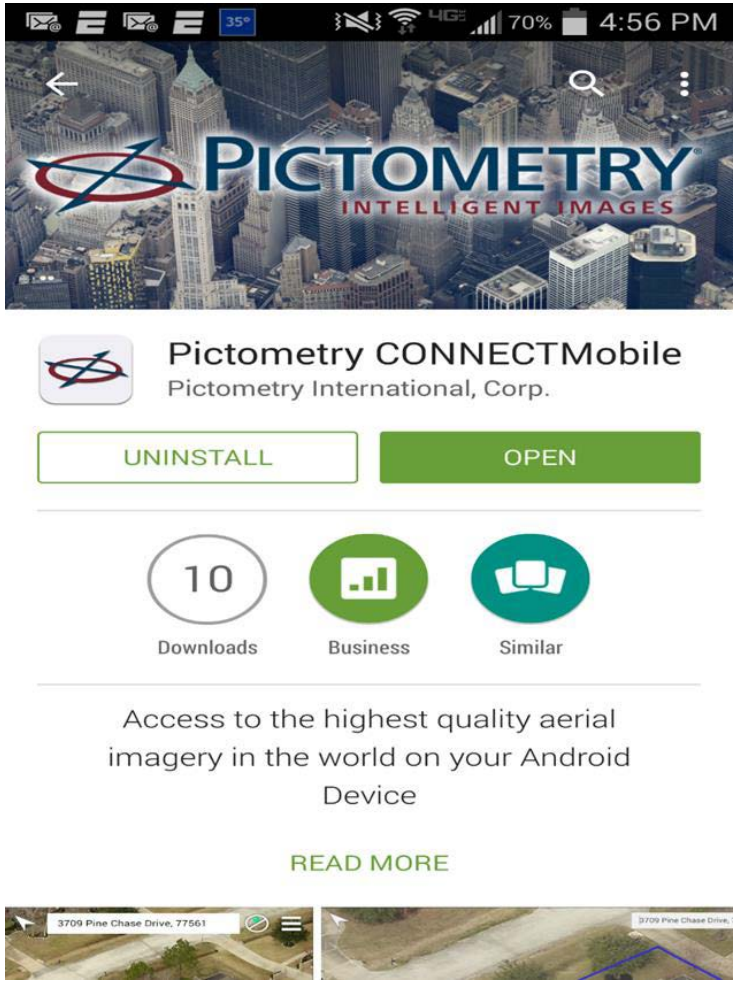




Deployment Options – Current

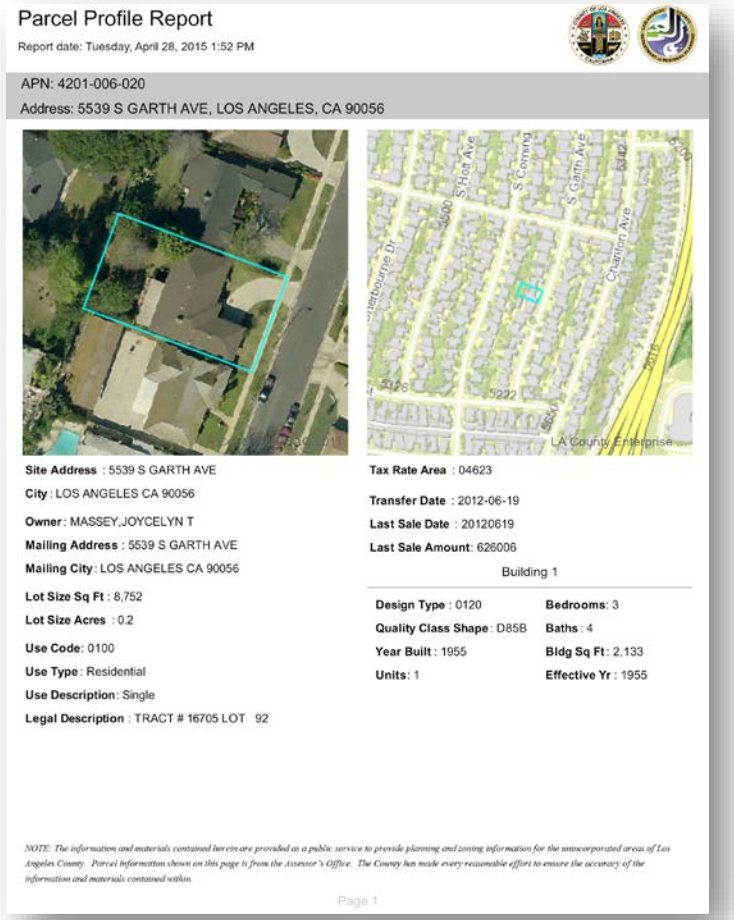
CONNECTMobile





Deployment Options – Optional

- Gateway
  - Secure API that is used to integrate property focused cropped JPEGs into a workflow
  - Used commonly in web based reporting and database population



Parcel Profile Report

Report date: Tuesday, April 28, 2015 1:52 PM

APN: 4201-006-020

Address: 5539 S GARTH AVE, LOS ANGELES, CA 90056

Site Address : 5539 S GARTH AVE
City : LOS ANGELES CA 90056
Owner: MASSEY,JOYCELYN T
Mailing Address : 5539 S GARTH AVE
Mailing City: LOS ANGELES CA 90056
Lot Size Sq Ft : 8,752
Lot Size Acres : 0.2
Use Code: 0100
Use Type: Residential
Use Description: Single
Legal Description : TRACT # 16705 LOT 92

Tax Rate Area : 04623
Transfer Date : 2012-06-19
Last Sale Date : 20120619
Last Sale Amount: 626006

Building 1

Design Type : 0120
Quality Class Shape: D85B
Year Built : 1955
Units: 1
Bedrooms: 3
Baths : 4
Bldg Sq Ft: 2,133
Effective Yr : 1955

NOTE: The information and materials contained herein are provided as a public service to provide planning and zoning information for the unincorporated areas of Los Angeles County. Parcel information shown on this page is from the Assessor's Office. The County has made every reasonable effort to ensure the accuracy of the information and materials contained within.

Page 1

APN: 4201-006-020

Address: 5539 S GARTH AVE, LOS ANGELES, CA 90056

View Looking North

View Looking South

View Looking West

View Looking East

NOTE: This is a proprietary dataset provided courtesy of the Los Angeles Region Imagery Acquisition Consortium (LARIAC) and Pictometry International

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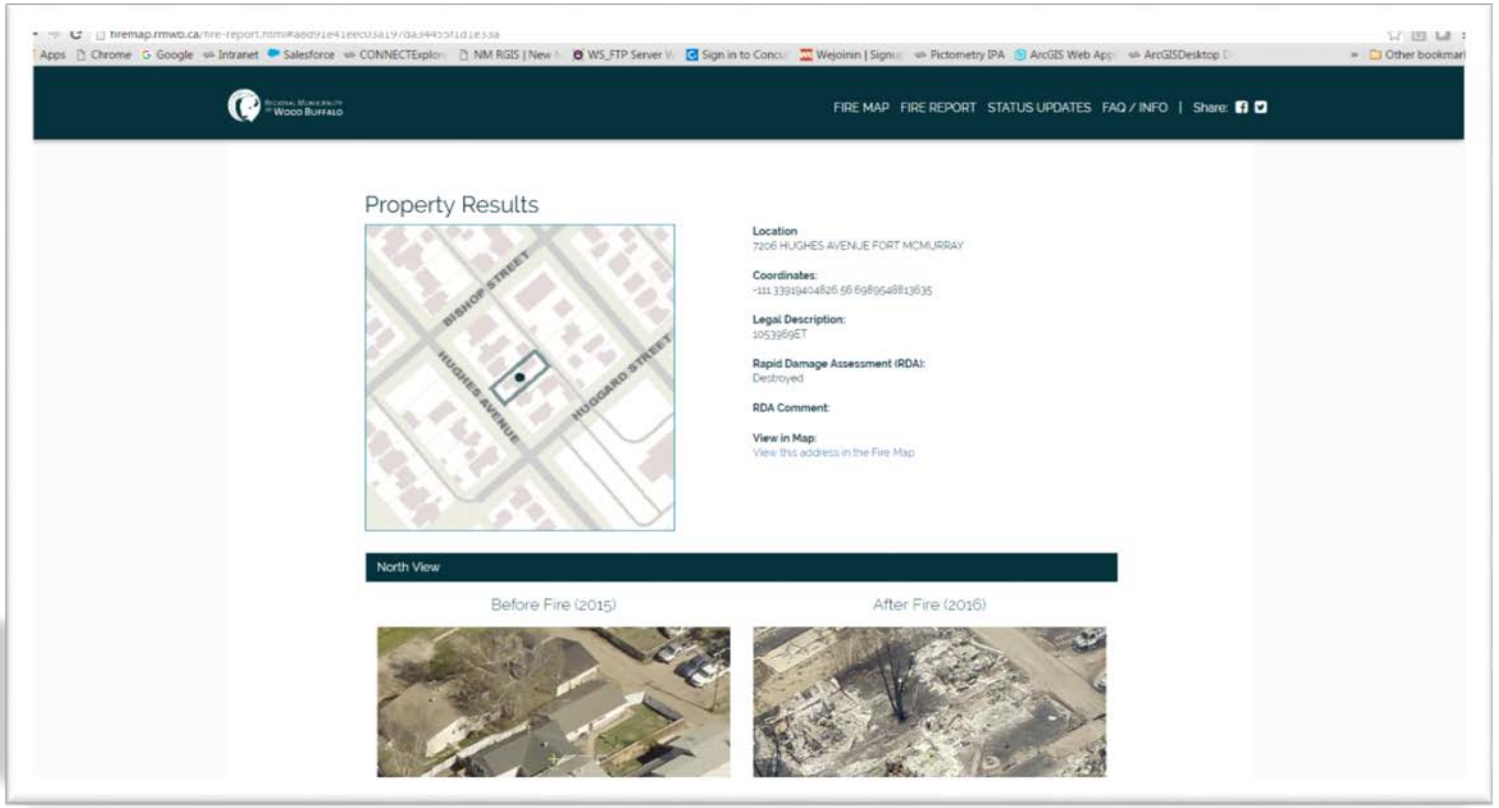
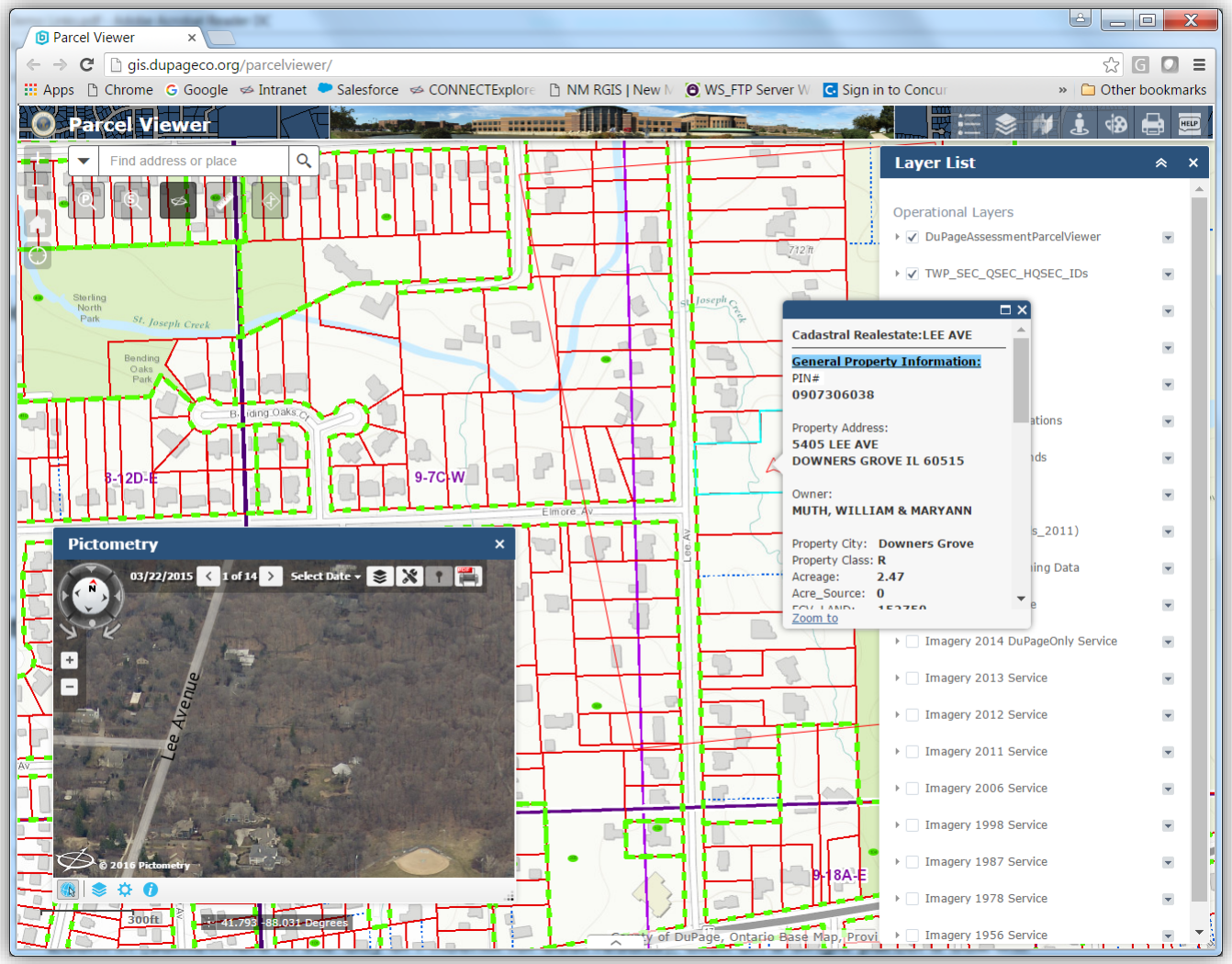
Deployment Options – Optional

Wood Buffalo Gateway Example



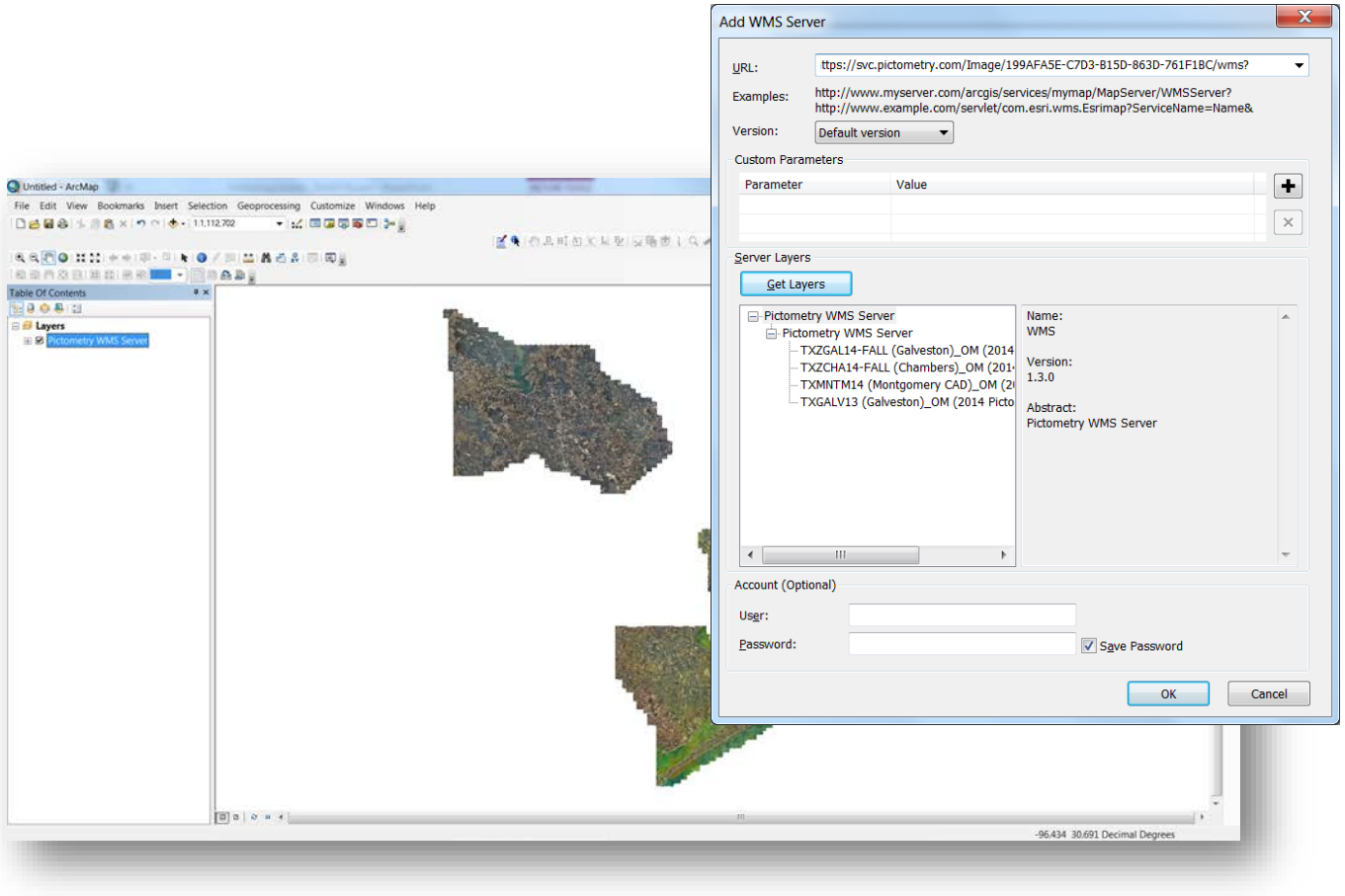
Deployment Options - Optional

- Esri Web App Builder Widget
  - Custom widget built out in Web App Builder
  - Deploy internally or externally
  - Contact us if you would like to setup a 90-day trial



Deployment Options - Optional

- Image Service
  - WMS, WMTS and TMS supported
  - Hosted, stored and managed by Pictometry
  - Option available to ingest third party historical imagery



CONNECT360

CRITICAL360®
SHERIFF
When seconds save lives, access accurate property and building intelligence, inside and out.

CONNECT360

CONNECT360™ brings it all together:

- Understand the incident location and surrounding area
- Display GIS layers
- Locate nearby resources
- Pre-plan for crisis scenarios
- Train using actual information from your jurisdiction
- Provide guidance to first responders arriving on scene and manage the incident response
- Detailed 3D floor plans can be searched by building/floor/room
- Calculate distance and height measurements on building interiors and exterior images
- Navigate through the building floor plan and from image to image
- View high resolution 360-degree imagery of every room

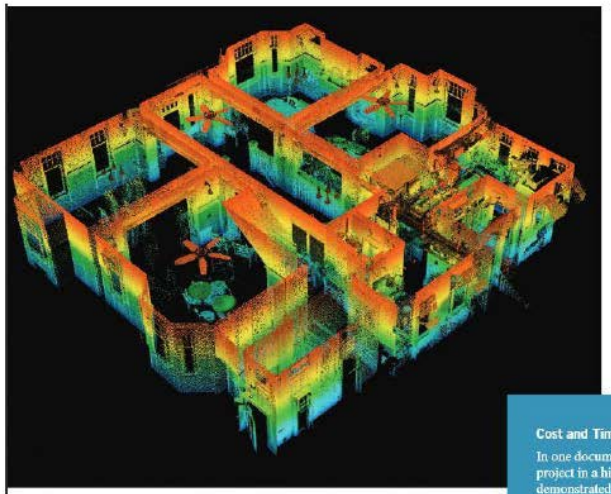
CONNECT360

Trimble Indoor Mapping System (TIMMS) Used for Data Capture

Rapid Response / Public Safety / Law Enforcement

Accurate and up to date spatial information of public buildings offers many safety benefits to responders and to the public:

- Detailed 360 degree imagery provides responders with total situational awareness before entering. Layout and contents are fully known, meaning no surprises.
- Data is available through the internet behind your own firewall to multiple decision makers in multiple locations, enabling informed decisions.
- Data enables detailed preparation and training for specific buildings / areas.



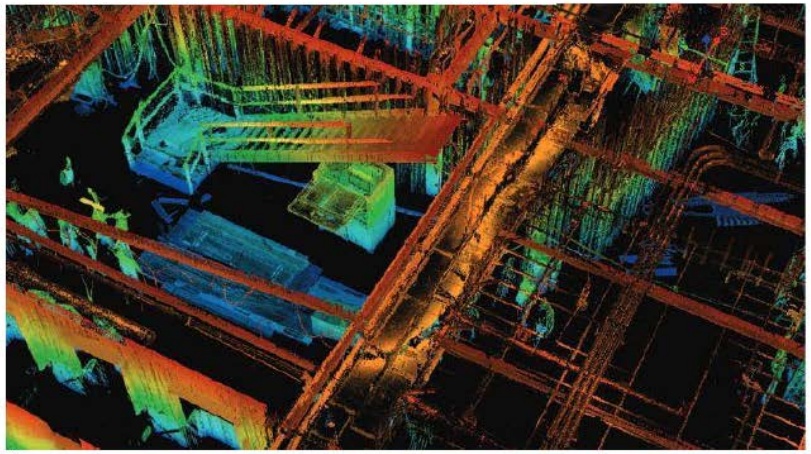
TIMMS scan and resulting maps/models

applanix A TRIMBLE COMPANY

TIMMS™

Cost and Time Savings

In one documented public safety project in a high school, TIMMS demonstrated a 50% cost savings & 92% reduction in delivery time over traditional data acquisition methods.



Data Acquisition

- Push cart platform
- Lidar, video and positioning sensors
- Positioning
  - Align at known coordinates for ~20min
    - Using GPS, or
    - Surveyed control point
  - Indoor (GPS-denied) positioning x, y *and z*
- Data Capture
  - 360 video captured every 1m (adjustable)
  - Push-broom, continuous lidar
- High productivity
  - Mission planning
    - Route
    - Obstacles: Doors, furniture
  - Continuous data collection at walking speed
    - Speed can vary to accommodate conditions
    - Stopping ok
  - *30,000sqft/hr or 45 rooms/hr*

CONNECT360

FutureView 2017 -SAVE THE DATE

Questions?