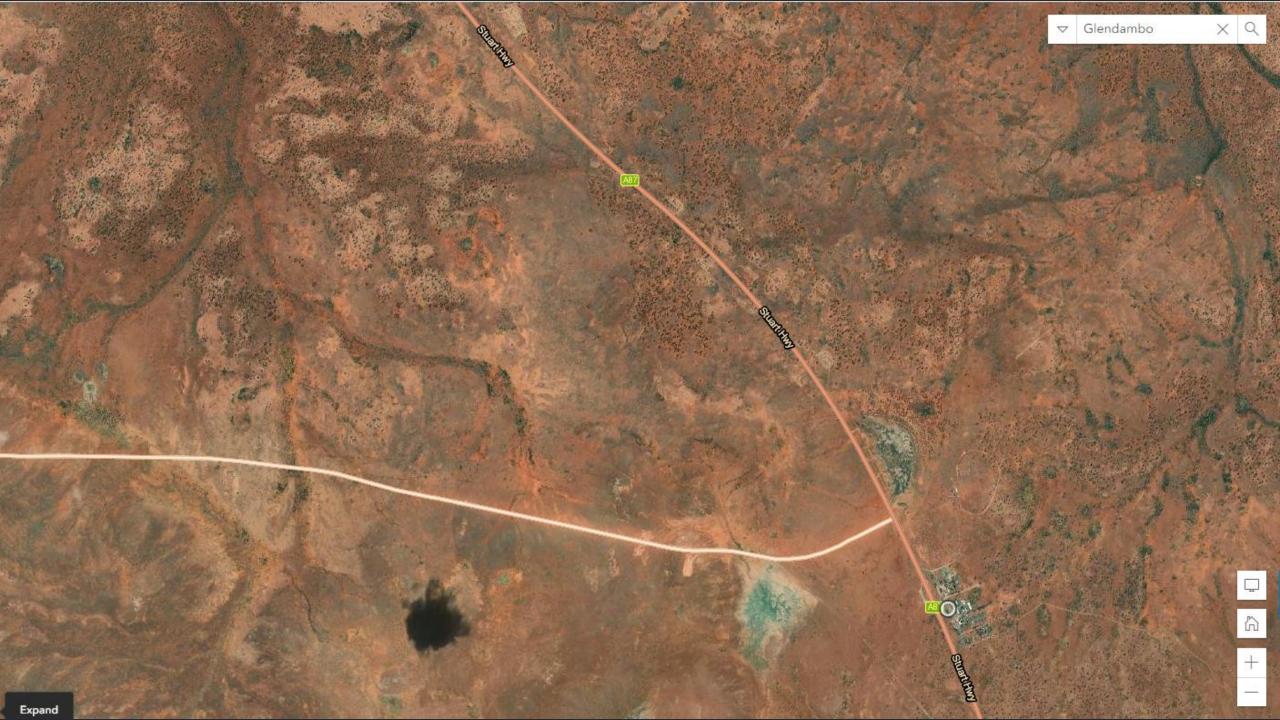
Producing rapid imagery information products for situational awareness

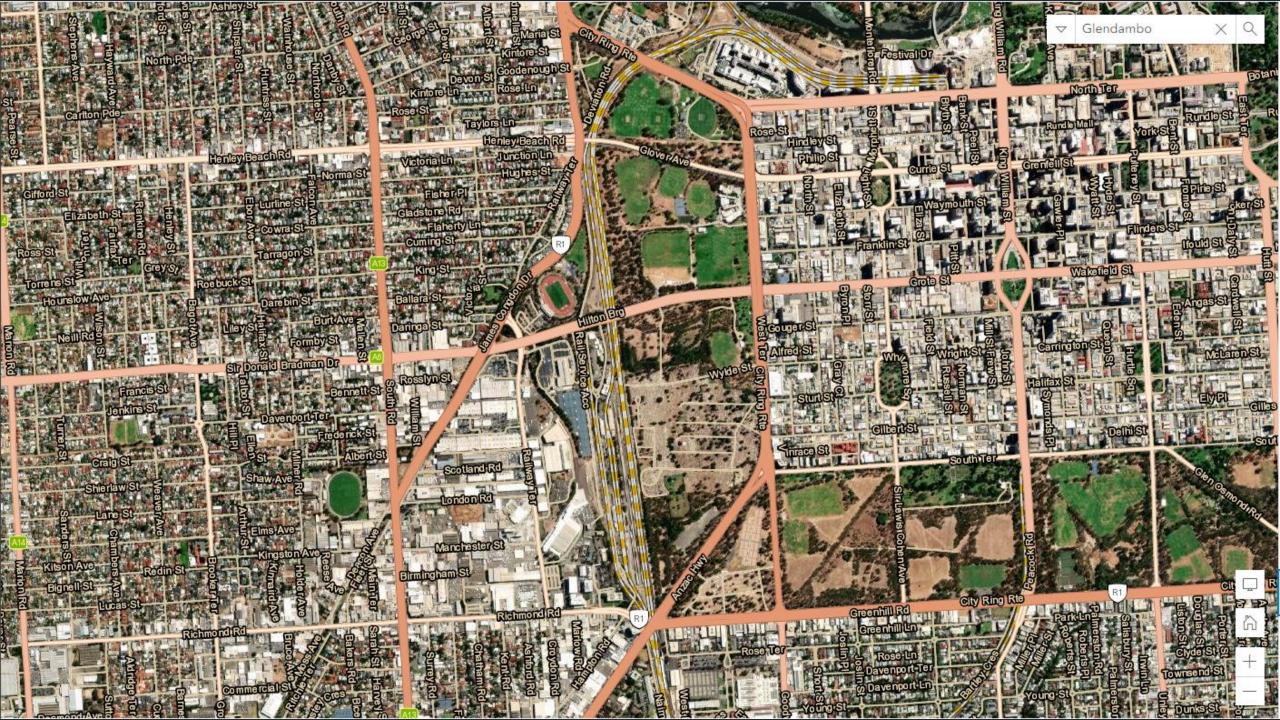
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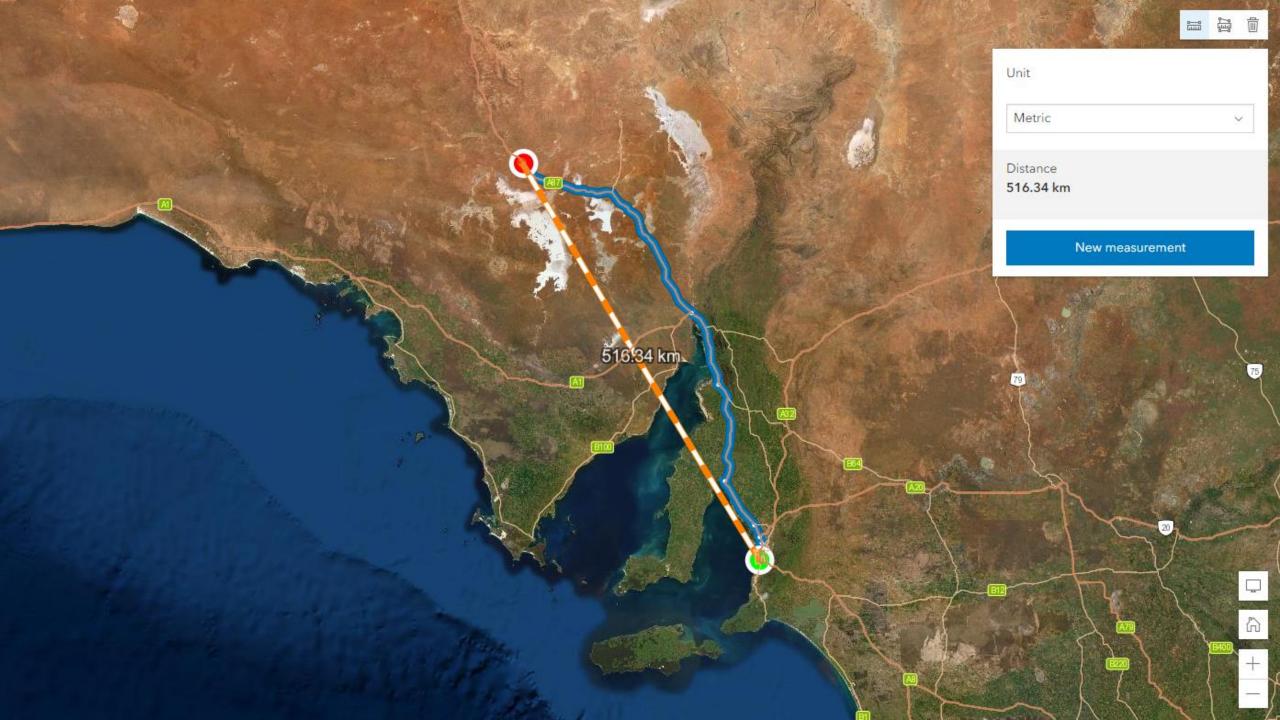






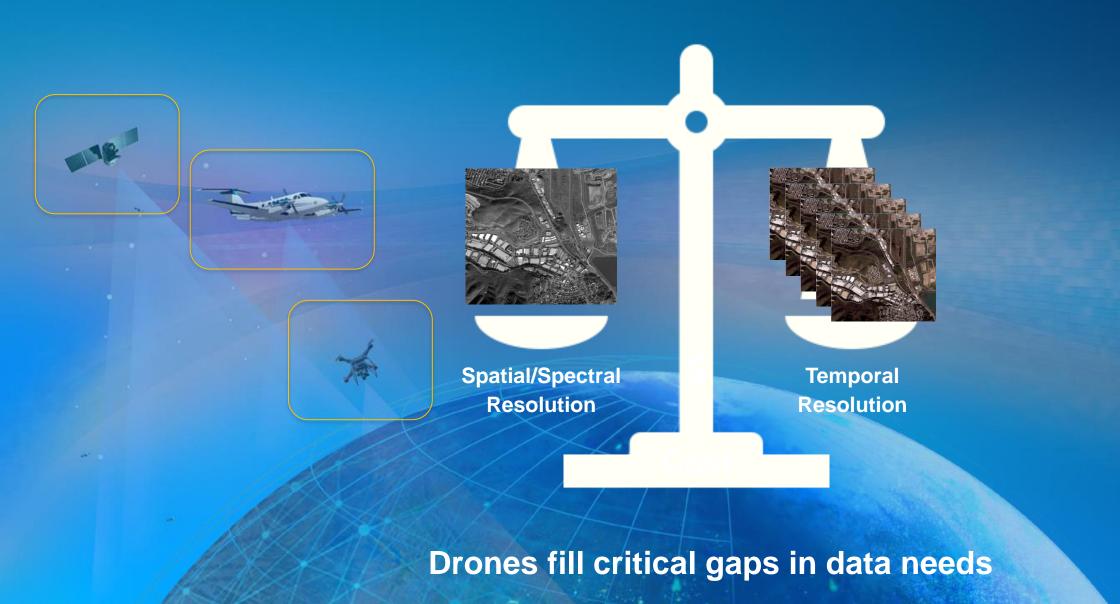




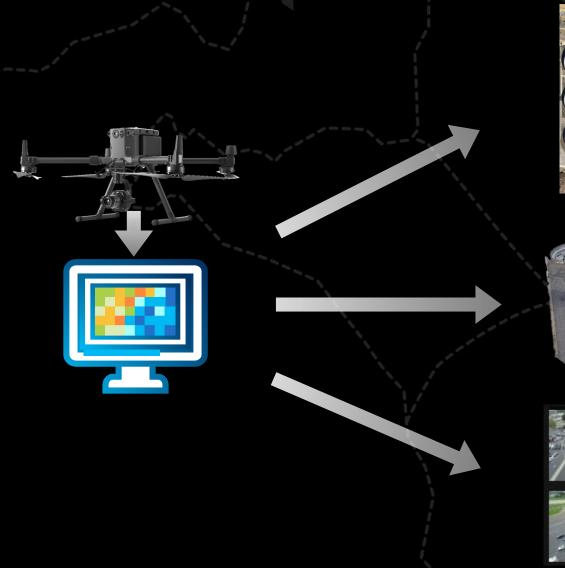


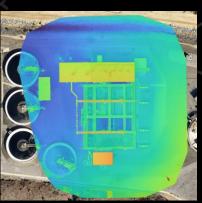


What makes Drone data collection Unique?



What are the products from Drones?





2D Image Products:

- Orthomosaic
- Seamless stitched for base mapping
- Digital Elevation and Terrain Models
- Contours



3D Elevation Products:

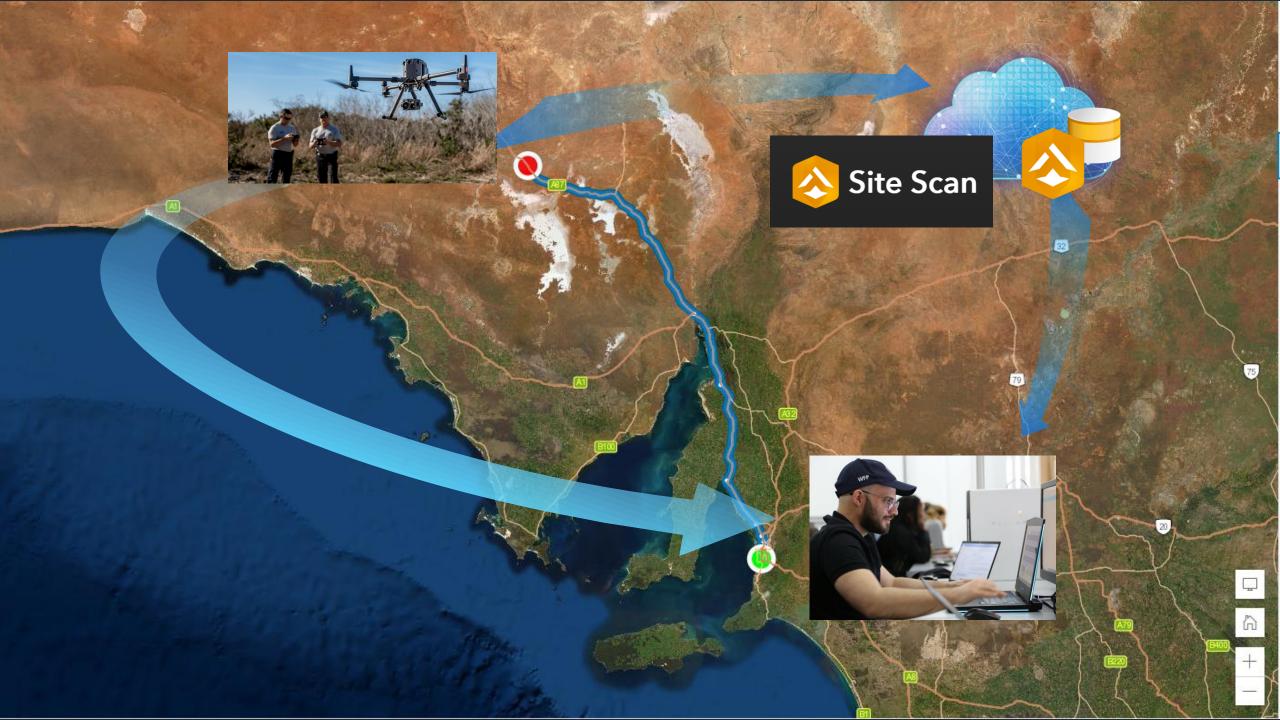
- Point Cloud (.las files)
- Reality Mesh



Inspection

- Photo's
- Videos
- 360° Panoramas





Missions









↑ 0 M

A 100%

Simulation DJI Phantom 4 Pro V2

10





Flight Plans

Select a pre-planned flight for your job site.



Area Survey

Ideal to map large areas with little elevation change.



Crosshatch Survey

Ideal for sites with many vertical features or elevation changes.



Perimeter Scan

Ideal for creating highresolution models of vertical structures.



Inspection



Vertical

Ideal for modeling or



Pano ama



Corridor Scan

Missions









↑ 0 M

A 100%

Simulation DJI Phantom 4 Pro V2

10





Flight Plans

Select a pre-planned flight for your job site.



Area Survey

Ideal to map large areas with little elevation change.



Crosshatch Survey

Ideal for sites with many vertical features or elevation changes.



Perimeter Scan

Ideal for creating highresolution models of vertical structures.



Inspection

Good for taking inspection photos while manually flying



Vertical

Ideal for modeling or inspecting vertical faces.



Panorama

Create a 360° photo.



Corridor Scan

Ideal to map linear features such as roads.

What if my drone is not supported by Site Scan Flight?







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Invite New Members +

Merge Missions

New Mission

Missions

Flight Plans

GCPs

Files

Output Settings

Members

Forms

Sc	ort By:	Re	cent	≡	==
			Mission	Export	More
9	0	쇼	Glendambo Panorama 05/02/2022, 00:00	۵	
?	0	☆	Glendambo Panorama Flood 05/02/2022, 00:00	۵	



Image loading to full Panorama

15 minutes

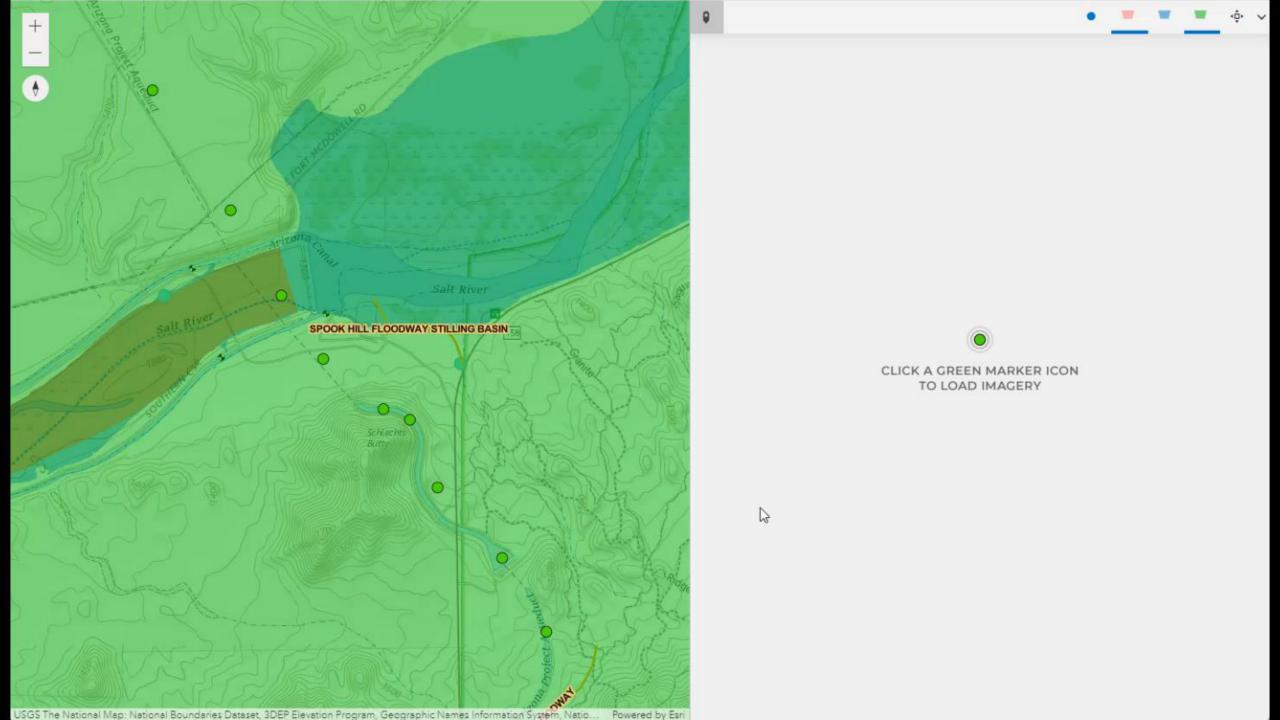
Some Examples

Snowy Hydro

Dixie Fires USA

Buchanan Airport Tower

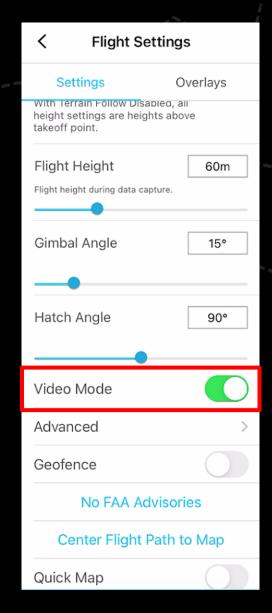
Phoenix Reservoir

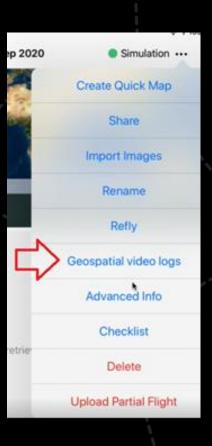


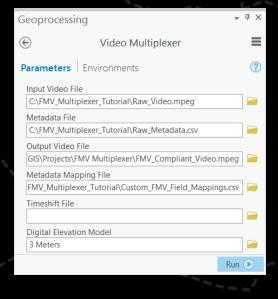
Flight Planning

Video Mode for Full Motion Video (FMV)



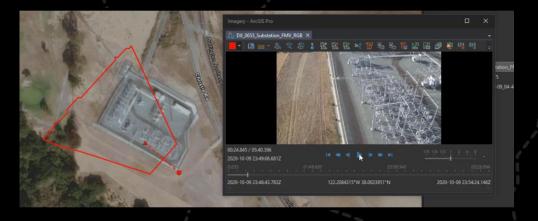


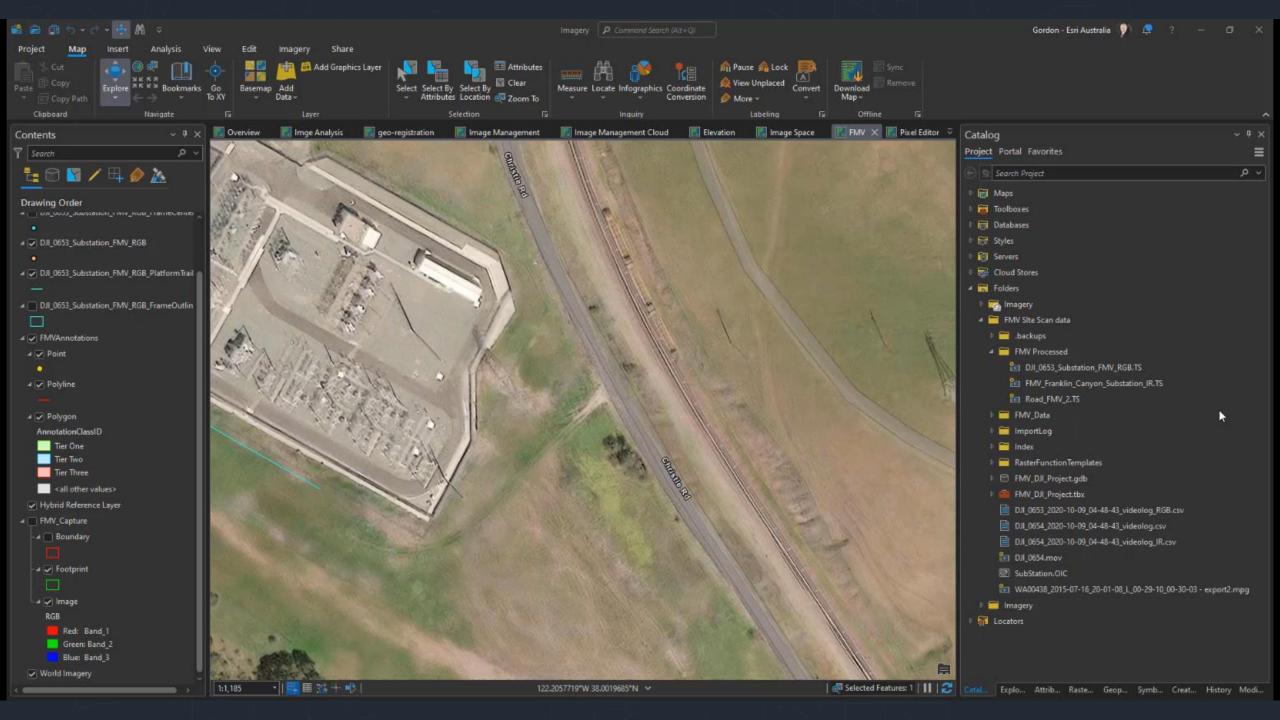




FMV process

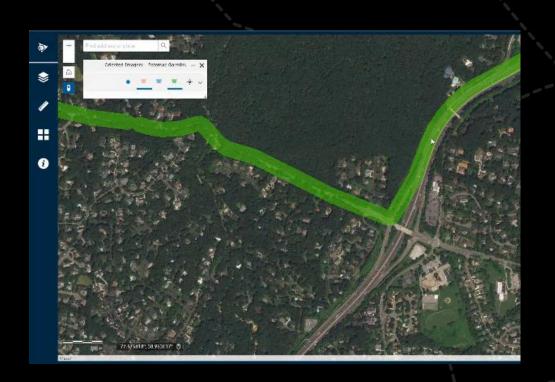
- Copy .mov file
- Copy .glv file
- In ArcGIS Pro run GP tool
 - Video Multiplexer
- How to: <u>https://support.esri.com/en/technical-article/000024386</u>

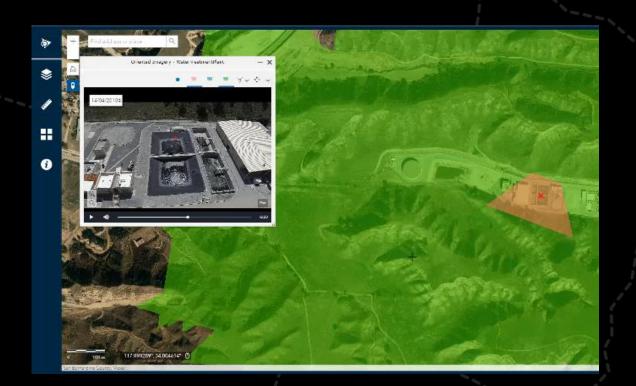




Some FMV Examples

Water Treatment Plant Garmin Car mounted video

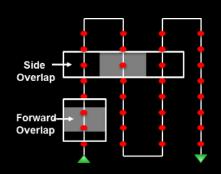




Capability Summary

Site Scan for ArcGIS

Flight Planning & Fleet Management



- Ensure proper collection of imagery for the type of mission
- Track pilots, drones, and batteries across organisation



- System automatically scales
- Simplified workflows
- No system configuration requirements
- Entirely Cloud Hosted

Create 2D & 3D Products



- Structure from Motion
- Orthomosaics
- DEMs & DTMs
- Classified 3D point clouds
- High-quality 3D mesh

ArcGIS Compatibility



- End-to-End Workflow
- Integrated with ArcGIS

Find out more

Delivering the right tools

To discuss how your organisation can leverage location intelligence to improve situational awareness, internal and inter-agency collaboration contact Gordon Sumerling.

Gordon Sumerling

Senior Consultant, Esri Australia

T + +61884146305 | M +61448140821

gsumerling@esriaustralia.com.au

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 Enabling Resilience for Emergency Services Professionals.

