



Statewide 2022 Imagery for Oklahoma

Coming Soon to a Streaming Service Near You!

AppGeo



HEXAGON

November 5, 2021

Customers

Federal
State
Regional
Counties

Cities
Business
Education
Non-profits



Offerings

Strategic Planning -

Needs assessment, ROI studies, Technology planning

Cloud Services - data migration, hosting, process automation

Data Analytics - Data governance, data modeling, spatial analysis, AI and ML solutions

Digital Transformation -

Process automation and web applications

Technical Support -

Managed Services, Help Desk, Application Maintenance

Platforms

A grid of logos for various platforms and partners. The logos include: Google Maps, HEXAGON, here, Google Cloud Partner, MAPLARGE (we bring DATA to life), aws, esri, 1spatial (YOUR WORLD SMARTER), SAFE SOFTWARE, Bentley (Sustaining Infrastructure), mapbox, PostgreSQL, Azure, Boundless (OUR WORLD IS OPEN), and CARTO.

AppGeo's Partnership with Hexagon



- Premier Partner for Hexagon Content and **Content+ programs**
- A leading partner for State, Local, and Commercial imagery solutions
- Led the transition for Texas, Utah, and CalTrans Statewide Imagery Programs
- Supported by the AppGeo Giza Streaming Services appliance









What Is an Imagery Content Program?

- **The imagery market has changed** - not only governments but also Internet, real estate, and insurance companies greatly increased demand for mapping and imagery.
- Imagery content providers often have major “first instance” buyers. As a result, they can resell access to their imagery data, at **pricing well below the cost of collection**.
- With a subscription, users **always have access to the latest imagery**.
- Access is provided via OGC-compliant WMS and WMTS services.
- DSMs and file downloads are available for additional charge.

Standard Content Program

Existing Program

Immediately available data at Hexagon standard specification

 <p>Immediate access & data share under licensed product agreement</p>	 <p>Hard copy and data streaming – or both</p>	 <p>Financial models that expedite procurement, planning & budgeting</p>	 <p>Single contracting source</p>
 <p>Delivery always includes 4-band data</p>	 <p>Highest photogrammetric aerial accuracy product</p>	 <p>Consistent sensor technology and work flow</p>	 <p>Planned 15cm wide area coverage of the US by 2024</p>





Leaf-off imagery acquisition



Increased refresh schedule per AoI or statewide



Increased image resolution



Existing or new data specifications

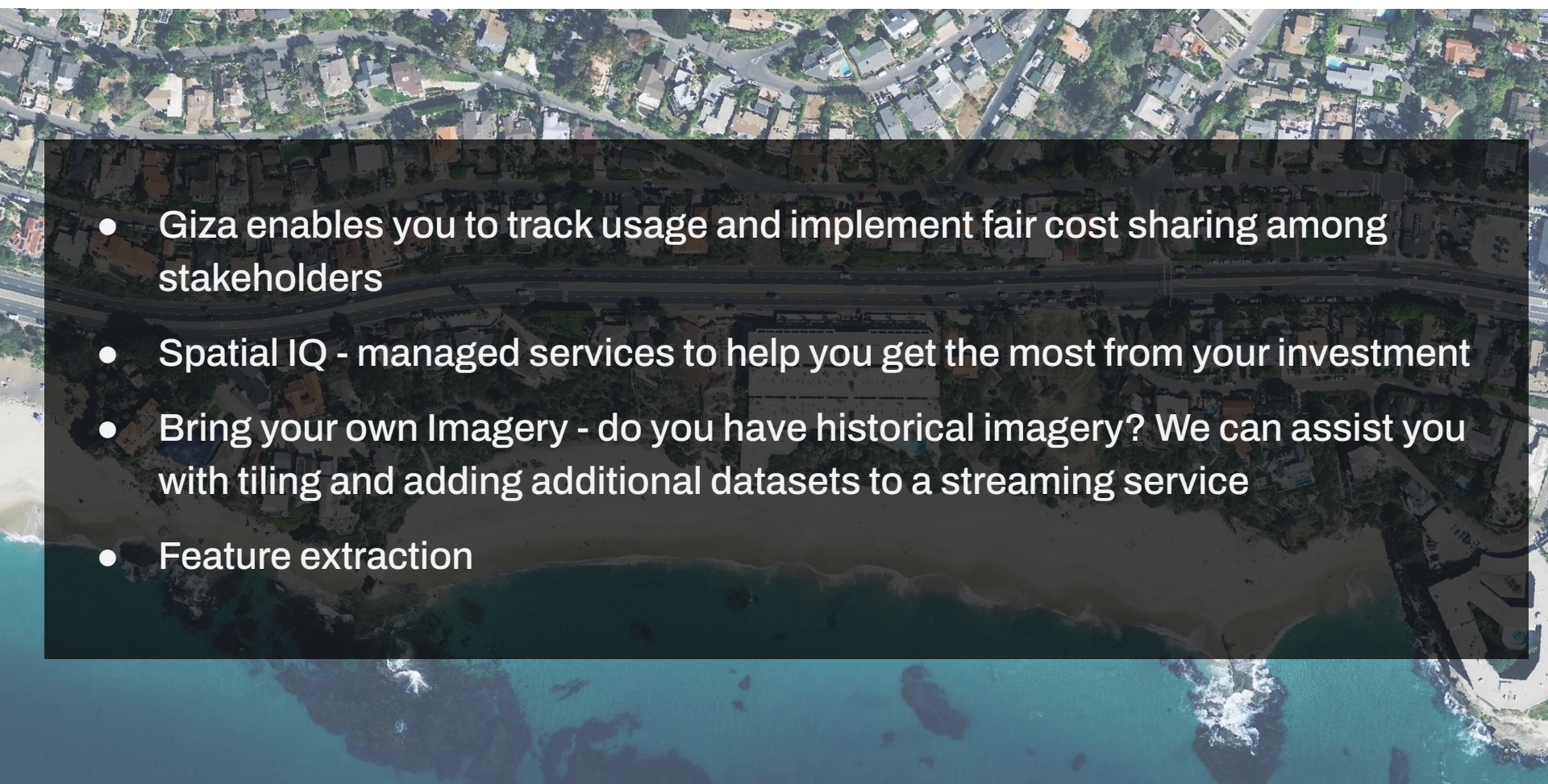


Flexible buy-ups for additional geospatial data products

Content+
offers flexible
data collection
options

Coming Soon

- Content + can deliver customized imagery data produced to State-defined specifications.
- 2021 30cm Statewide Imagery has been collected for all of Oklahoma
 - Leaf on 30 cm, 4-band orthoimagery
 - Available and published online to production stream ~Q1 2022
- Same-season capture using flexible flight plans to ensure artifact-free, consistent coverage
- Subscription at a fraction of the cost of a custom collect project

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- The background of the slide is an aerial satellite image of a coastal town. The image shows a mix of residential buildings, streets, and greenery, with a large body of water and a beach visible in the lower portion. A semi-transparent dark grey rectangle is overlaid on the image, containing the text and bullet points.
- Giza enables you to track usage and implement fair cost sharing among stakeholders
 - Spatial IQ - managed services to help you get the most from your investment
 - Bring your own Imagery - do you have historical imagery? We can assist you with tiling and adding additional datasets to a streaming service
 - Feature extraction

appgeo.com/wp-content/uploads/Texas-GIZA-story.pdf

SUCCESS STORY

AppGeo's Giza Imagery Streaming Tool helps the Texas Natural Resources Information System to Reduce Costs and Enhance Data Democracy

About the Texas Natural Resources Information System (TNRIS)

TNRIS Program Manager for Strategic Mapping (StratMap) Gayla Mullins and her team help to keep Texas state agencies data informed 24/7 with data streaming and download services for imagery, LiDAR, address points, and land parcels.

CHALLENGES

- Data shared and shipped on hard drives cost significant time, money, and effort.
- Custom imagery capture is expensive and time-consuming to acquire.
- The organization needed a way to track who was using data and how much was being used.

SOLUTION

- Develop a new cost sharing model that utilizes Giza, a solution that streams imagery using OGC WMS and WMFS for immediate access.
- Giza simplifies imagery streaming by tracking streaming usage and volume to enable an effective usage-based cost sharing model.
- Provide custom links with restricted imagery access through Giza so agencies participating in the cost share program only see what is relevant to them.

appgeo.com/webinar-hear-what-the-trailblazers-say-about-imagery-content-programs/

The image shows a YouTube video player thumbnail. The main title is "Moving to an Imagery Content Program: Hear from the Trailblazers!". The background is a satellite-style aerial view of a mountainous region. On the right side, there are three small portrait photos of the speakers: Bill Johnson (Applied Geographics), Matt Peters (Director, Utah Automated Geographic Reference Cent), and Richard Wade (GIO, State of Texas). The video player interface includes a play button, a "Watch later" button, and a "Watch on YouTube" button at the bottom left.

"We contemplated building something in-house, but the time it would take and resources it would take wouldn't be worth the pay off that we got compared to AppGeo." - Gayla Mullins, TNRIS

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Thank You!