



Image Analysis Tools with ArcGIS

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A Comprehensive Imagery & 3D System

Create Foundational Content

Reality Mapping



- Lidar, Drones & Photogrammetry
- 2D & 3D Outputs

Analysis



- Classification, Change, Extraction
- AI, ML & DL (GeoAI)
- Raster Analytics

Management



- SaaS and On-premises deployments
- Hosted Imagery & Features
- Simplify Access to Your Content
- Open Standard Compatible

Content



All Types & Formats
Drone, Aerial,
Satellite, Terrestrial

Scale Analytics & Simplify Visualization

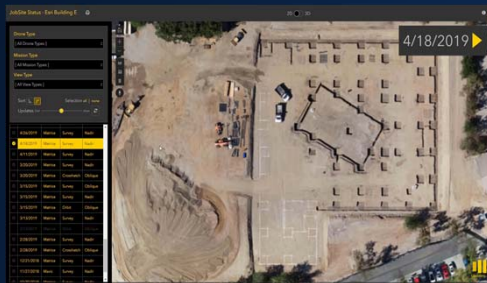
Visualization



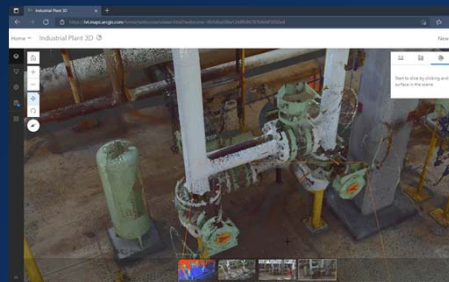
- Build Dashboards and Web Apps
- Digital Twins
- Mixed Reality & Simulations

Manage and Disseminate

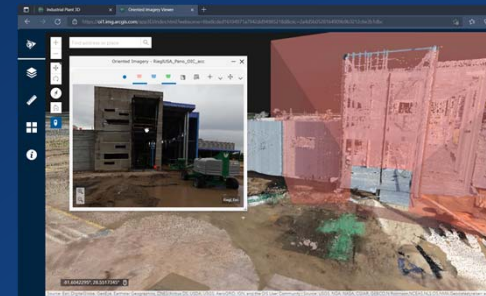




Change Analysis



3D Analysis



Remote Inspection



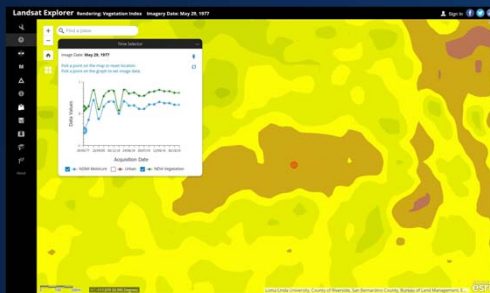
Digital Twin

Visualization & Analysis

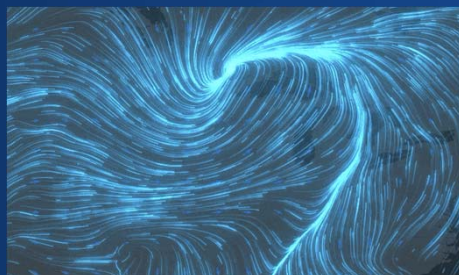
Damage Assessment Dashboard



Raster Analysis



Flow Dynamics



Wildfire Tracking



Enabling the Imagery Capabilities of ArcGIS

ArcGIS Imagery System

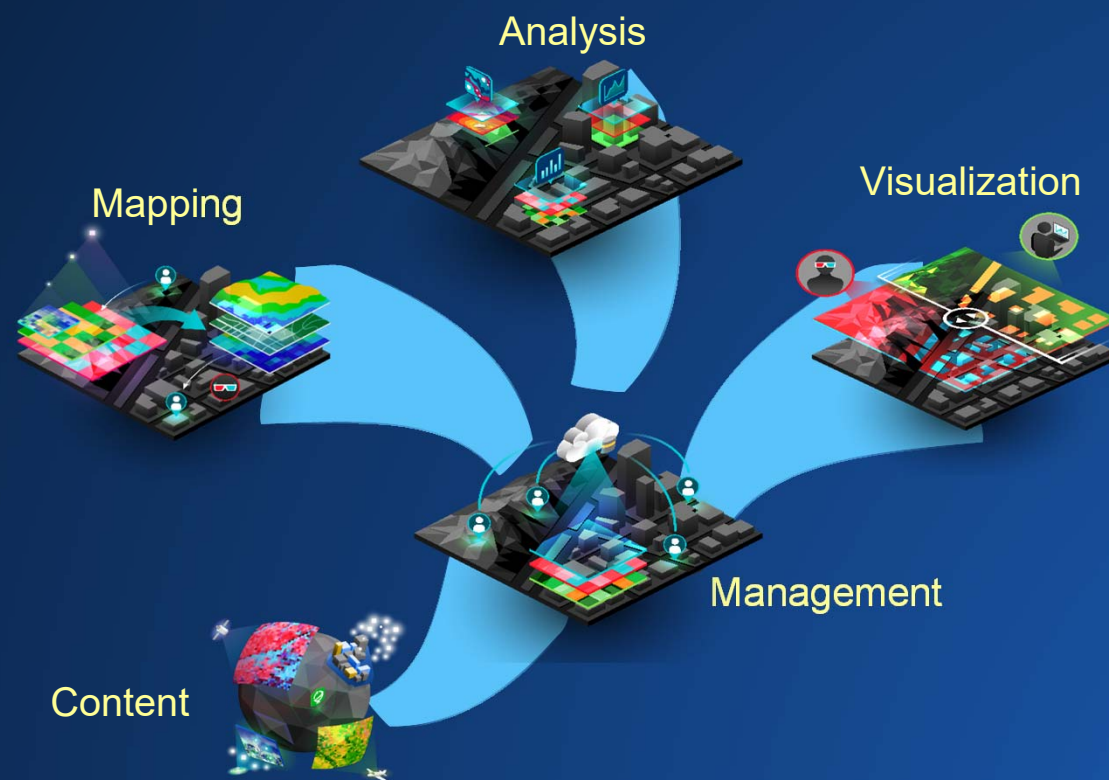
Focused Apps

Site Scan for ArcGIS

ArcGIS Drone2Map

SURE for ArcGIS

ArcGIS Excalibur



ArcGIS Image is a suite

Desktop
ArcGIS Pro

ArcGIS Image Analyst

Enterprise
ArcGIS Enterprise

ArcGIS Image Server

SaaS
ArcGIS Online

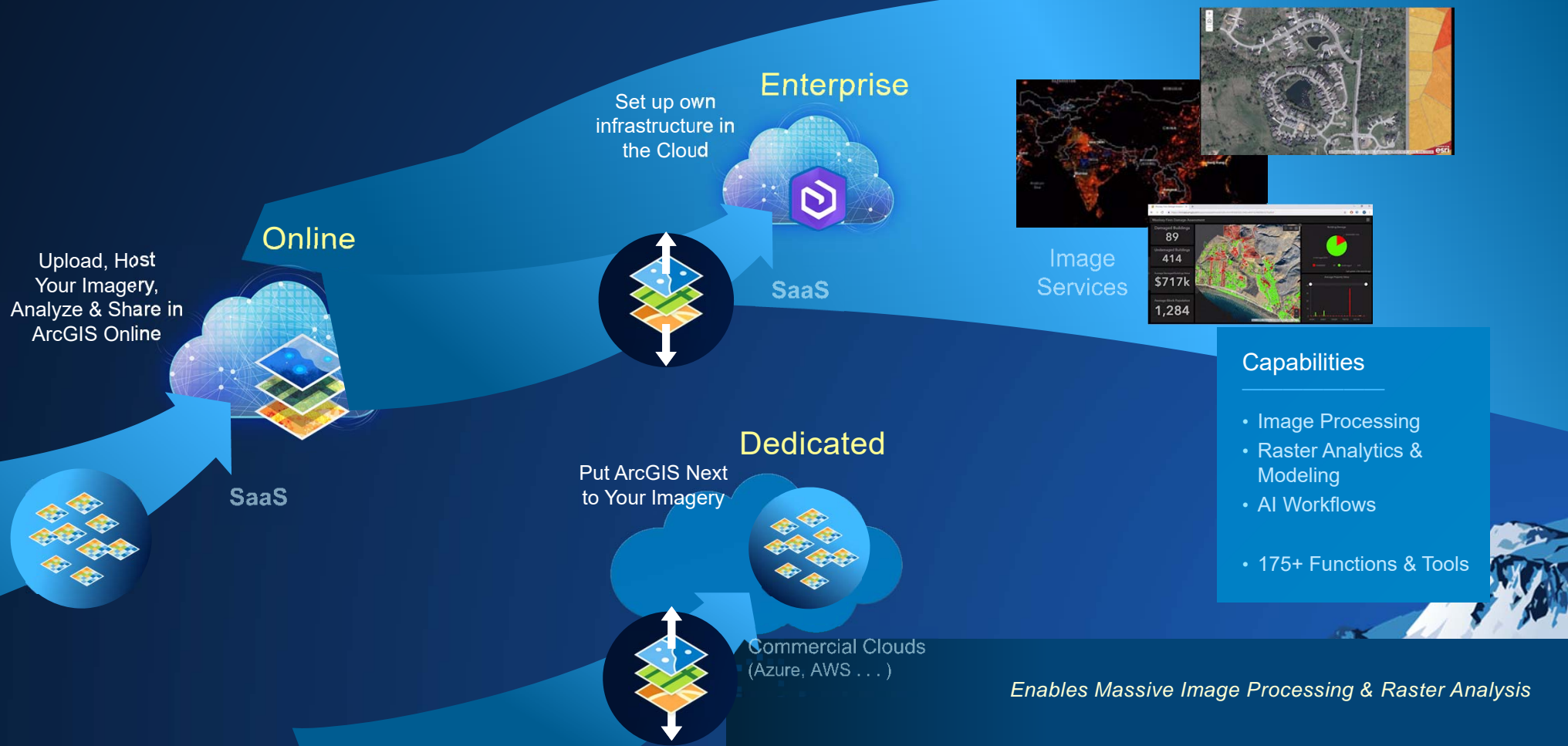
ArcGIS Image
for ArcGIS Online

Managed SaaS
Dedicated

ArcGIS Image Dedicated

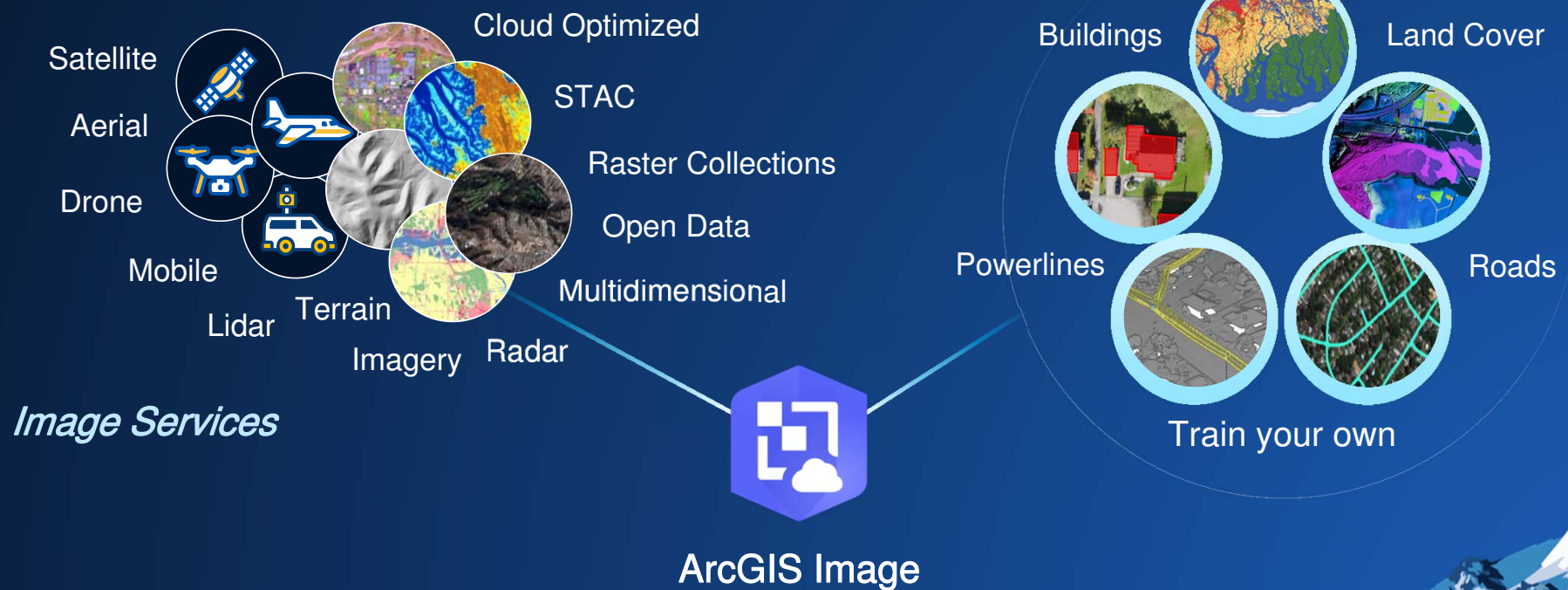
Image & Raster Analytics in the Cloud

Providing Data Management, Analysis & Visualization Services



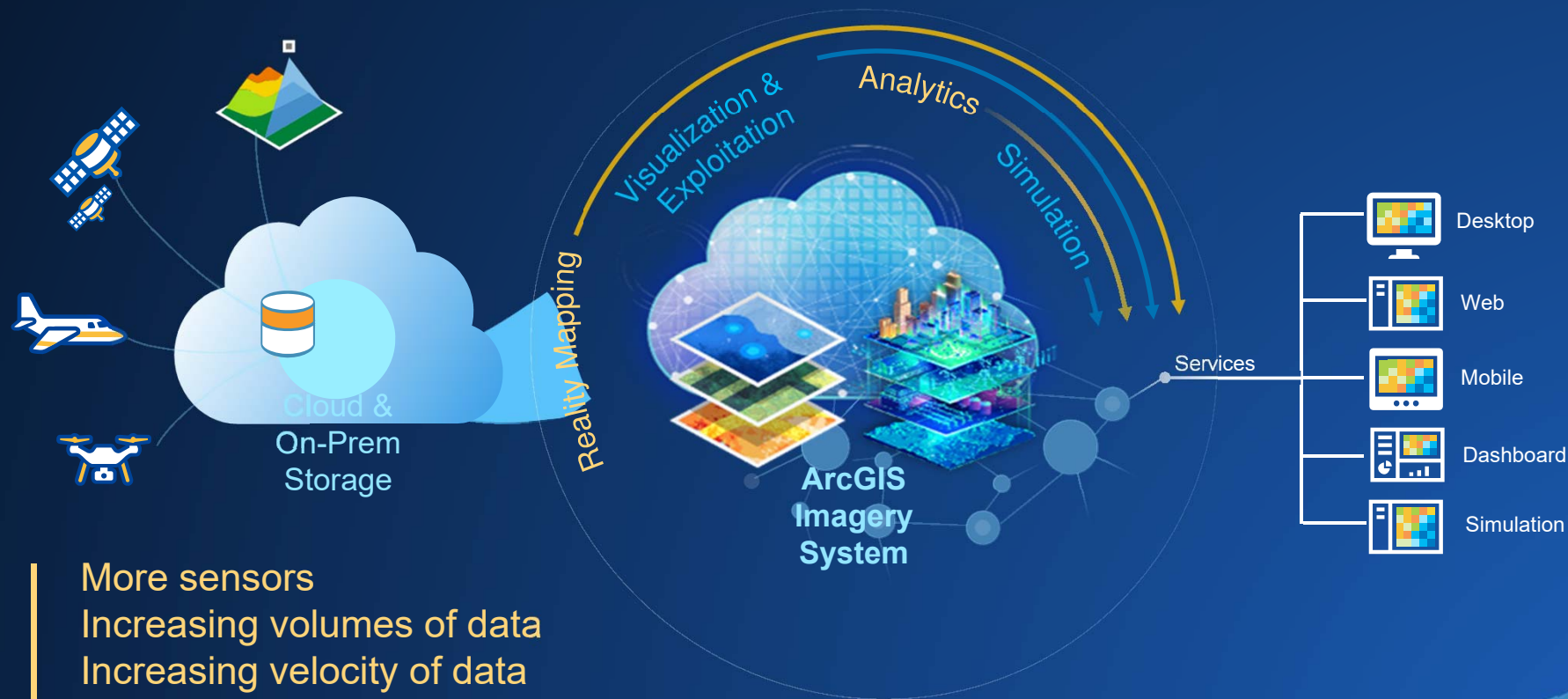
ArcGIS Image + Living Atlas

Extract Insights with Pre-Trained Models



Why it Matters

Facilitate better policy and business decisions



- More sensors
- Increasing volumes of data
- Increasing velocity of data
- Extract Insights to Drive Decisions
- Access to remote sensing products

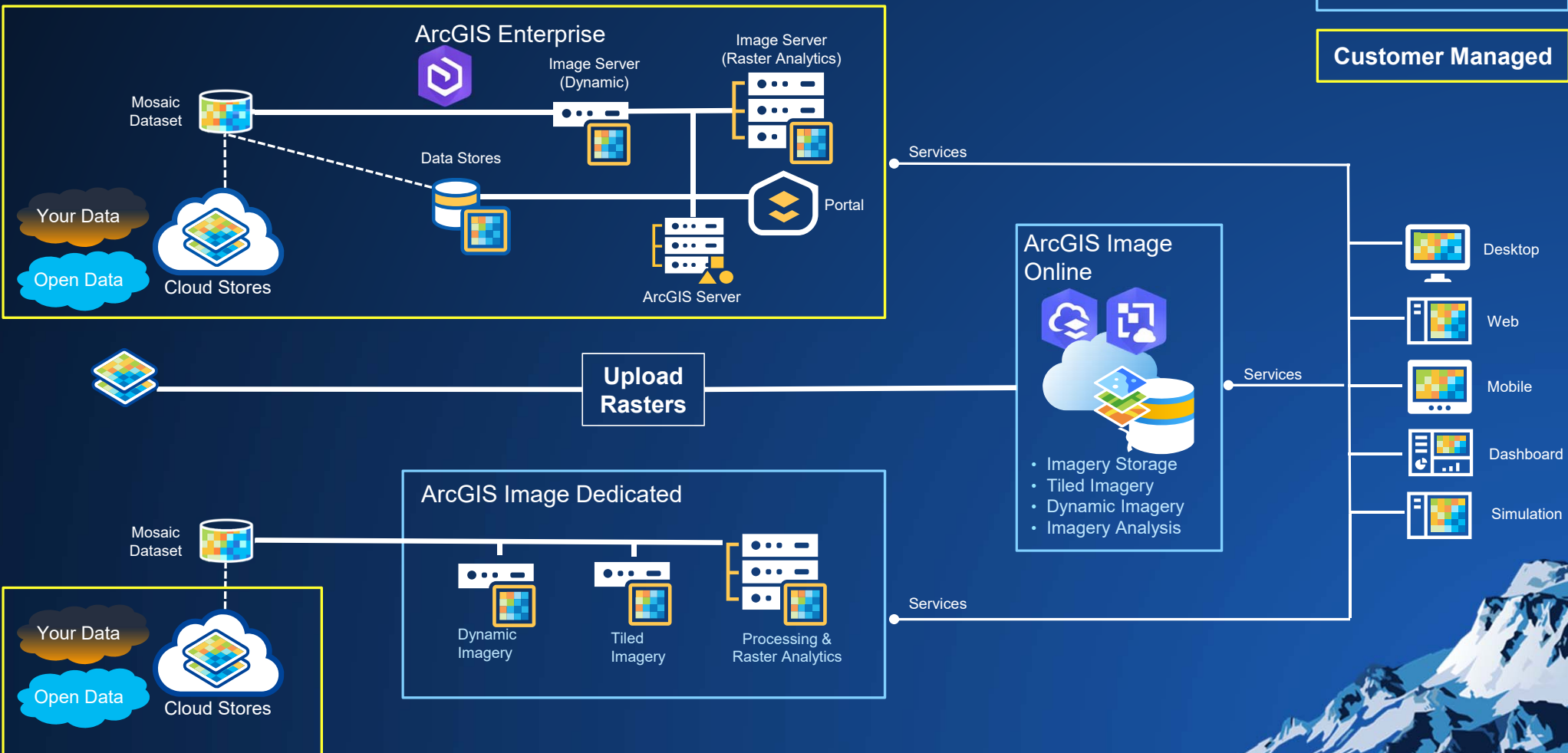
Image Management Architecture Patterns

Sharing remote sensing data to end-users

Legend:

Esri Managed

Customer Managed



Customer Examples

- **Community of La Cima:**

- This planned 2,400-acre community in San Marcos, is utilizing GIS and Drone Imagery to boost construction management efficiencies.

- **City of San Diego:**

- Combined GIS and augmented reality to create visualizations of city structures enhanced by data and imagery, intended especially for use in emergency responses.

- **City of Philadelphia:**

- Is utilizing over 3,000 miles of public streets imagery from Cyclomedia since 2017 using ArcGIS for image management and analysis.



Summary

- **5 Components of the Comprehensive Imagery & 3D Data System**
- **4 Deployment Options**
- **Cloud based Analysis**
- **Living Atlas**
- **Image Management Architecture**



Resources

- Product Page:
 - [Imagery and Remote-Sensing Software | Turn Earth Observations into Insights](#)
- Esri Community:
 - [Imagery and Remote Sensing - Esri Community](#)
- ArcGIS Blogs:
 - [Imagery Blogs](#)
- Esri Training:
 - [Explore Courses on Imagery](#)





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