CYIENT | Nothing Less



Turning imagery into operational advantage

Detect change, identify risks, and strengthen operational readiness with AI-augmented geospatial intelligence

esri Partner Network Gold | esri Network Management Specialty | esri Imagery Specialty

What happens when critical changes go unseen?

As infrastructure conditions evolve, fragmented imagery, outdated basemaps, and manual analysis make it harder to detect change and respond quickly.

- **Disconnected imagery datasets** limit unified operational visibility
- **Lack of current and reliable basemaps** impacts planning and decision-makin
- **Difficulty detecting** infrastructure, environmental, and operational
- **Traditional imagery interpretation** workflows slow operational response and decision-making
- **Insufficient real-time imagery intelligence** during disasters, incidents, and operational events

Why this matters now

Despite recent investments, the U.S. still faces a $3.6 trillion infrastructure funding gap over the next decade, making smarter prioritization and intelligence-led decision-making more critical than ever.

Source: esri.com

Every change in the field, whether infrastructure deterioration, vegetation encroachment, disaster impact, or operational risk, calls for immediate, reliable insight. Our Imagery Intelligence Solution transforms multi-source imagery into AI-augmented intelligence, enabling teams to detect change faster, assess risk with confidence, and make informed decisions before issues become disruptions.

Transforming infrastructure visibility into actionable intelligence

Accurate & current basemaps
Reliable imagery foundations for planning, operations, and asset management.

Change & risk intelligence
Detect changes, anomalies, and emerging risks faster and with greater confidence

Operational efficiency
Automate imagery processing and analysis to reduce manual effort and accelerate outcomes.

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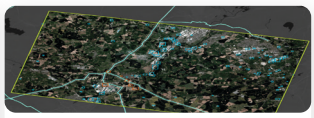
The Cyient solution: A connected intelligence layer for infrastructure operations



AI-augmented feature extraction

Automate detection and extraction of assets, infrastructure, land cover, vegetation, buildings, roads, and utility features from imagery.



Change detection & risk monitoring

Identify infrastructure changes, encroachments, vegetation growth, environmental impacts, and emerging operational risks using multi-temporal imagery.



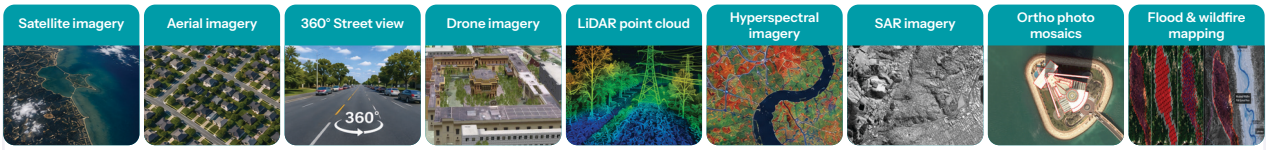
GeoAI & enterprise integration

Deploy AI-enabled imagery analytics within ArcGIS, enterprise GIS, digital twin, and operational systems for scalable intelligence delivery.



Operational geospatial analytics

Transform imagery into actionable insights through dashboards, alerts, monitoring workflows, and decision-support applications.



Multi-source imagery intelligence

Integrate satellite, aerial, drone, SAR, 3600 imagery, and LiDAR-derived datasets into a unified operational intelligence environment.

Built on a connected technology stack

- Satellite imagery
- Aerial photography
- Drone imagery
- 360° Panoramic imagery
- Multi-spectral / hyper-spectral data

The Cyient advantage

Deep domain expertise across utilities, telecom, transportation and 30+ government clients, led by experienced GIS teams

Ground truth for confident decisions through reality mapping and 3D context, not just 2D maps

Anticipate change, act sooner with GeoAI and predictive modeling, guided by expert analysts

Intelligence inside daily operations via enterprise GIS integration and cloud delivery, not isolated filesanalysts

A partner proven at scale as a 25+ year Esri Gold Partner with Imagery and Utility Network specialties

Proven GIS depth at scale

- **100+** Customers & 30+ government customers
- **120+** GIS projects
- **35** Years of geospatial experience
- **10+** Industries

Ready to detect disruption before it impacts operations?

Get in touch with us to learn how AI-augmented imagery intelligence can help identify risks, monitor change, and strengthen operational resilience.

Cyient is a global lifecycle engineering services company powering mission-critical industries from design to aftermarket across products, plants, and networks. With 300+ customers and 15,000+ associates across 30+ countries, we combine human expertise, deep domain knowledge, and AI to deliver intelligent engineering for every lifecycle across Aerospace and Rail, Automotive and Mobility, Connectivity, Energy, Healthcare, Mining, Utilities, and beyond.

To learn how we deliver exemplary outcomes, nothing less, visit www.cyient.com.

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