CYIENT | Nothing Less

From maps to decisions

AI-augmented spatial intelligence

Powered by Microsoft Fabric, Esri GeoAnalytics, and Copilot to help see exposure sooner, prioritize action faster, and decide with confidence

Microsoft Fabric | Esri ArcGIS GeoAnalytics | Copilot

What's preventing intelligence-led decisions?

For many organizations, the roadblock is not data availability, but the ability to connect location, risk, and operational signals fast enough to act. This often shows up as:

- **Difficulty correlating risk exposure with geography and hazard zones**
- **Manual and batch-driven analysis slows underwriting decisions**
- **Limited visibility into risk accumulation across regions**
- **Inability to identify emerging risk hotspots proactively**
- **Fragmented datasets across policy, claims, and hazard systems**

Why this matters now

92% of insured catastrophe losses now come from wildfires, storms, and floods. As risk becomes more frequent, localized, and asset-specific, organizations need spatial intelligence to know where to act first.

Source: SwissPressRelease

Connected intelligence gives organizations the ability to see across data silos, understand the context behind events, and act with greater speed and confidence.

Core capabilities that turn fragmented data into connected intelligence

Governed, secure, scalable, and interoperable by design, Cyient's solution connects Microsoft Fabric, Esri, and third-party ecosystems to turn real-time data into location-aware decisions, helping teams detect change, assess impact, and act faster.

Microsoft fabric integration
Unified enterprise and spatial data foundation on Microsoft Fabric.

Esri GeoAnalytics
Spatial joins, proximity analysis, geo enrichment, and risk scoring.

Risk intelligence application
Interactive risk maps, hazard overlays, and drill-down analysis.

Agentic AI assistant
Natural language risk queries, automated insights, and decision support.

Real-time intelligence
Streaming data, event-driven analytics, and real-time alerts for faster response.

Decision applications
Actionable insights through maps, dashboards, digital twins, and enterprise APIs.

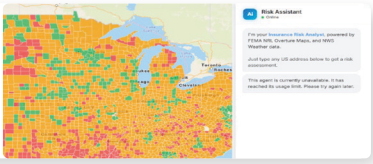
Cyient's intelligence layer behind faster decisions

Data foundation	Fabric lakehouse	Enterprise systems	External feeds	IoT
Spatial intelligence layer	Esri GeoAnalytics	Vector analytics	Vector analytics	Spatial models
Agentic AI layer	Copilot	AI agents	Multi - agent workflows	Natural language queries
Decision intelligence	Dashboards	Maps	Digital twins	APIs	Enterprise apps

High impact use cases across risk, resilience, and operations

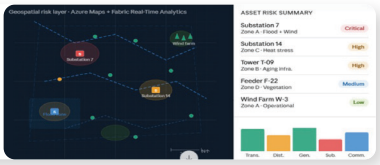
Insurance risk intelligence

Risk scoring, catastrophe exposure, and claims intelligence.



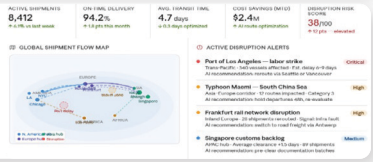
Utilities asset resilience

Flood, wildfire, vegetation, and asset risk intelligence.



Supply chain intelligence

Logistics optimization and disruption monitoring.



Public sector operations

Emergency planning, infrastructure risk, and operational intelligence.



Proof in action: Insurance risk intelligence

For insurers, risk is not hidden in the data, it is hidden in the disconnect between policies, claims, hazards, and locations. Here's how Cyient Connects Policies, Hazards, and Locations.

Data integration
FEMA, NOAA, wildfire, weather, demographic, and claims datasets ingested through Microsoft Fabric pipelines.

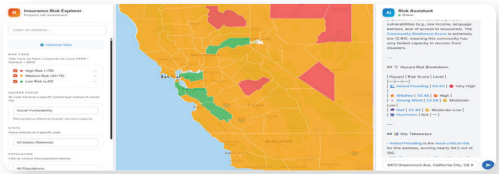
Spatial analytics
Spatial joins between policies, assets, and hazard zones for exposure correlation.

Risk modeling
Composite risk scores calculated at ZIP, county, and census tract levels.

Exposure intelligence
Flood, wildfire, and hazard proximity assessments to quantify risk.

AI-augmented insights
Agentic AI supports natural language exploration and decision support.

Impact delivered



Key Proof Points

6 Data sources
Integrated datasets

Bronze → Silver → Gold
Lakehouse architecture
Medallion architecture on Microsoft Fabric

85,154
U.S. census tracts
Analyzed for risk and exposure

0 - 100
Composite risk index
Based on 10 weighted risk variables

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 files

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

Proven GIS depth at scale

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

Ready to turn spatial data into faster, smarter decisions?

Get in touch with us to discover how AI-augmented spatial intelligence can accelerate risk analysis and operational decision-making.

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.

North America Headquarters
USA
T: +1 860 528 5430

Europe, Middle East, and Africa Headquarters
UK
T: +44 118 3043720

Asia Pacific Headquarters
Australia
T: +61 2 8887 8600

Global Headquarters
Hyderabad
T: +91 40 6764 1000

facebook.com/cyient @cyientnews linkedin.com/company/cyient

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