



STRATEGIC ALLIANCE BRIEF · PUBLIC-SAFETY TECHNOLOGY

Built for continuity.

Why Skytec hosts its dispatch and operational-support platforms on Google Cloud, across multiple U.S. regions—on a cloud engineered to public-safety compliance standards.

01 Executive summary

Skytec builds the platforms public-safety and emergency-response operations depend on. Those platforms have to keep running through exactly the events—storms, outages, mass-casualty incidents—that knock other systems offline. That requirement is why Skytec runs on Google Cloud.

Skytec hosts the entire infrastructure of **SkyCAD**, its computer-aided dispatch platform, on Google Cloud—together with **SkyDesk**, the operational-support platform used by municipal and state agencies, including a Department of Public Safety. Both are deployed across **multiple U.S. regions**, delivering high availability, geographic redundancy, and the ability to scale on demand when a major event drives up load.

Just as important for U.S. agencies: Google Cloud is engineered to the compliance standards public safety is held to. It supports the FBI's CJIS Security Policy and is authorized at FedRAMP High—the bar for law-enforcement and emergency-services data—so the foundation Skytec builds on already speaks the language of government procurement.

43 GOOGLE CLOUD REGIONS WORLDWIDE	130+ AVAILABILITY ZONES	CJIS v6.0 PUBLIC-SAFETY COMPLIANCE SUPPORTED	FedRAMP High FOR LAW-ENFORCEMENT & EMERGENCY DATA
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“In public safety, continuity isn’t a feature—it’s the whole point. Skytec runs on a cloud engineered for it.”

02 Why the cloud is the continuity layer

THE REQUIREMENT BENEATH THE PLATFORM

A dispatch center cannot go dark. Yet the events that matter most—hurricanes, wildfires, floods, grid failures—are precisely the ones that threaten local infrastructure while driving demand to its peak.

Hosting a public-safety platform in a single building, or a single location, means the operation is only as resilient as that one site. Google Cloud lets Skytec do the opposite: run SkyCAD and SkyDesk across **multiple U.S. regions** at once, so the loss of any single region doesn't take dispatch offline, and data stays safe off-site even when local power and communications don't. When a major event spikes call volume, capacity scales up to meet it, then scales back down.

• Geographic redundancy The system runs in more than one U.S. region, so a single site or region failing doesn't stop the operation.	• Elastic scale on demand Capacity expands to absorb surge—the storm, the multi-alarm event—then scales back down afterward.
• A global low-latency network 25+ years of Google network engineering keeps response times low across regions and users.	• Continuity by default Failover and disaster recovery are architectural, not afterthoughts—for systems that can't afford downtime.

03 What Skytec runs on Google Cloud

Skytec's cloud footprint centers on two platforms that agencies rely on day to day—both deployed multi-region in the United States.

PLATFORM	WHAT IT IS	ON GOOGLE CLOUD	DATA LAYER
SkyCAD CLOUD · MULTI-REGION	Computer-aided dispatch — all of its infrastructure hosted on Google Cloud	Multi-region, U.S.	MongoDB Atlas (multi-region)
SkyDesk CLOUD · MULTI-REGION	Operational support for municipal & state agencies, including a Department of Public Safety	Multi-region, U.S.	Google Cloud

SkyDesk's role is worth underlining: it provides operational support to a range of municipal and state agencies, **including a territory-wide Department of Public Safety**—the kind of mission-critical, cross-agency workload that makes availability and redundancy non-negotiable.

A COHERENT STACK: DATABASE + CLOUD

The two layers Skytec depends on are partners themselves

SkyCAD runs on MongoDB Atlas, deployed multi-region on Google Cloud—Skytec’s official database on one of the world’s leading clouds. **MongoDB has been named a Google Cloud Partner of the Year for seven consecutive years**, so the data layer and the infrastructure layer beneath Skytec’s platforms are deeply integrated by design, not stitched together after the fact.

STACK > MongoDB Atlas (data) + Google Cloud (infrastructure) > MULTI-REGION

04 Resilience, proven under real conditions

Geographic redundancy is easy to claim and hard to prove. Skytec’s is running in production across a U.S. jurisdiction that faces the Atlantic hurricane season head-on.

Running SkyCAD’s full infrastructure on Google Cloud, across multiple U.S. regions, means the platform’s data and operations don’t depend on any single local site. When a hurricane threatens—or when local power and connectivity are compromised—the system’s center of gravity is already off-site, replicated across regions on the mainland. Continuity holds because the architecture assumed the worst day from the start.

The value of off-region redundancy shows up on exactly one kind of day—the worst one. Skytec built for that day.

For any U.S. agency in a disaster-exposed region—Gulf and Atlantic hurricanes, wildfire country, flood plains, or anywhere the grid can fail—the lesson generalizes: a public-safety platform should survive the loss of its local environment. Multi-region cloud is how Skytec delivers that, and it’s already been tested against the conditions most operations only plan for.

05 A cloud built to government standards

Google Cloud (GCP) is one of the world’s leading cloud platforms—global infrastructure, enterprise-grade security, and advanced data and AI services. For a public-safety vendor, four qualities make it the right foundation.

• Global, low-latency infrastructure 43 regions and 130+ zones across 200+ countries, connected by Google’s private global network.	• Security & compliance built in Government-grade controls, encryption, and customer-managed keys that public-safety data requires.
• Elastic, on-demand scale Compute, storage, and managed databases expand and contract with real-world load.	• Multi-region disaster recovery Redundancy and failover across U.S. regions—continuity engineered into the platform.

COMPLIANCE SIGNALS THAT MATTER TO U.S. AGENCIES

The credentials procurement teams screen for

When a platform touches criminal-justice or emergency data, these are the standards that decide whether it can be bought at all.

CRIMINAL JUSTICE

Supports FBI CJIS Security Policy v6.0

Independently assessed; U.S. data residency & U.S.-person access controls.

FEDRAMP HIGH

Authorized for law-enforcement & emergency data

Data-residency commitments keep this data in U.S. regions.

GLOBAL SCALE

43 regions · 130+ zones · 200+ countries

25+ years of network engineering behind the platform.

06 The takeaway

Skytec chose Google Cloud for the reason public-safety systems exist: to keep working when everything else is under stress. SkyCAD and SkyDesk run multi-region in the U.S., with redundancy off-site and scale on demand.

Paired with MongoDB as the official data layer, that gives Skytec a coherent, mission-ready stack—database and cloud, both proven and both aligned to the compliance standards U.S. agencies are held to. It's resilience that has already met real hurricane-season conditions, on infrastructure the industry and government both trust.

Let's talk about your operation.

See how Skytec's Google Cloud-hosted platforms deliver continuity, redundancy, and compliance for your agency.

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