

Decision Advantage Without Compromise

How Orbis converts complexity into decision speed.

THE THESIS

Speed of action is the advantage. In every operating environment that matters, from defense and intelligence to critical enterprise, the side that decides faster, with better information, on the basis of trusted data, holds the initiative. The side that hesitates loses it.

The hard part is not generating data. Most organizations already drown in it. The hard part is turning that data into decisions at the speed mission reality requires, without giving up the things that matter most: sovereignty, security, and trust.

That is the problem Orbis exists to solve. This paper explains how we solve it: the mission and vision that drive the firm, the platform and services we deliver, and the standard we hold every engagement to. Decision advantage. Without compromise.

Who we are

Forged from experience. Built for the mission.

Orbis is a Washington, DC based defense and intelligence firm with offices in Canberra and Taipei. Since 2008, we have partnered with the United States Government, allied nations, and critical enterprises to convert complex information and operational systems into decisive advantage. Driven by service and responsibility, our practitioners and builders deliver real capability, not promises. We are accountable for the outcomes. Four values guide the work: commitment, innovation, agility, integrity.

Our Mission

To strengthen the security and decision advantage of the United States Government and its allies by delivering sovereign intelligence and decision capabilities that accelerate decision cycles, strengthen resilience, and preserve sovereign control in an increasingly contested world.

Our Vision

To lead the next generation of national security as the world's most trusted partner, creating decision advantage by delivering intelligence and technical capabilities that outpace threats and perform in tomorrow's contested environments.

What sets us apart

Forged from Experience. Former flag officers, senior government leaders, and private-sector experts. Operators who have made the call. Engineers who built the systems that supported it.

Deep Domain Knowledge. Data integration, digital intelligence, and operational analytics built end-to-end. Not adapted from adjacent industries. Built for this.

Proven Integrity. Rigorous standards, accountability, and trust in high-stakes environments. The kind of integrity that gets validated when something has to work.

Global Footprint. Government, defense, and commercial clients across five continents. Three offices: Washington DC, Canberra, and Taipei. Eighteen years at the mission edge.

The Problem

Decision advantage is contested. Compromise is the cost.

Decision advantage is the new currency of national security and competitive enterprise. The organizations that move first, see further, and act with confidence are the ones that hold ground. The ones that wait for perfect information lose it. Adversaries already understand this. Most organizations are still paying the cost of working around their own data.

Trapped data is the real bottleneck.

The single greatest barrier to decision advantage is not capability gaps. It is the data already inside the organization that cannot move. Across government agencies, defense organizations, and critical enterprises, vast stores of intelligence and operational information sit locked behind walls built from fear, cost, legacy systems, and organizational inertia. The value is real. The access is not.

Trapped data almost always traces to one or more of eight root causes: fear of sharing, the cost of integration, legacy technology, governance gaps, classification and over-classification, organizational and coalition boundaries, complexity that hides what data even exists, and the cultural inertia of "we have always done it this way." These are not technology problems in isolation. They are organizational, political, and cultural problems that require a solution architecture designed with all of them in mind. Point solutions that solve one dimension while ignoring the others do not work.

Every workaround that trades governance for speed eventually fails. Every shortcut that trades sovereignty for convenience eventually creates exposure. Decision advantage cannot be bought with compromise. It has to be engineered.

The Orbis answer: a governed data fabric.

Orbis does not replace your stack. We unlock it. The central architectural insight is that data governance and data flow are inseparable. You cannot have fast, useful data movement without rigorous control over who can see what, under what conditions, for what purpose. And you cannot have meaningful governance without the technical capability to enforce policies at scale, across boundaries, in real time.

Our governed data fabric delivers both. It connects systems, sensors, and decision-makers without relocating data, without forcing replacement of existing infrastructure, and without months-long implementation timelines. Critically, data flows bidirectionally by design. Intelligence gathered at the edge flows up for deeper analysis. Enriched insights flow back down into operational tools. The fabric is bidirectional because mission reality is bidirectional.

How we deliver

One platform. Every mission.

Three products. Each independently valuable. Together, they close the loop from data to decision. Customers can adopt one, two, or all three. Nothing is bundled into a forced commitment. Each product delivers value the day it is deployed.

Catalyst — Secure Data Layer.

A zero-trust, post-quantum encrypted data mesh that connects systems, sensors, and decision-makers without relocating data. Catalyst is the implementation framework that makes the Common Operational Data Layer (CODL) operational. Federated security at global scale. Tool-neutral integration with existing stacks. Edge nodes that operate autonomously under degraded connectivity and synchronize when restored.

The organization that governs how its data moves governs how fast it can act.

Pulse — AI-Driven Pipeline.

A distributed, AI-driven pipeline that runs wherever the data is, including the tactical edge. One contract, one feed, zero technical debt. Pulse handles ingestion, triage, enrichment, and delivery across more than 140 DIGINT data sources through a single composable API. Edge triage and local enrichment surface the highest-value signals immediately, while full datasets continue to central analytics for deeper processing.

Your analysts were hired to produce intelligence, not to manage data pipelines.

Discovery — Analyst Workbench.

An AI-powered intelligence platform built for digital intelligence tradecraft, not general-purpose use. Streamlined collection across all sources through a single interface. Mission-tuned AI with full citations, explainable and auditable. Executive-ready outputs aligned to decision-maker standards. Bespoke visualizations built for the mission, not generic dashboards built for a hypothetical average user.

The analyst who spends less time managing tools and more time thinking is the analyst who finds what matters first.

Services

Solutions forged from experience.

Technology alone does not deliver outcomes. Orbis pairs every product with services delivered by practitioners who have operated at the mission edge. People who have deployed data systems under operational constraint, made AI-assisted decisions under time pressure, and lived with the consequences of getting it wrong. Six capability lines, all available standalone or wrapped around the platform.

01 / Build — Architecture & Design. C2 architecture, CODL design, data strategies, and ICDs scoped to mission requirements. Designed by engineers who have built live C2 systems.

02 / Deploy — Integration & Deployment. Adapter development, node deployment, system integration, and cross-domain solutions. We deliver working systems, not project plans.

03 / Train — Training & Enablement. Operator training, analyst certification, tabletop exercises, and simulation. Taught by the operators and analysts who built the tools.

04 / Advise — Advisory & Strategic. Acquisition strategy, vendor evaluation, reference architectures, and digital transformation roadmaps. Independent counsel with no vendor allegiance.

05 / Operate — Managed Services. Operational support, surge capacity, complex investigations, and capability maturation. We run the platforms while building organic customer capability.

06 / Embed — Mission Support. Forward deployment, reach-back support, campaign planning and MOE, CONOPS development. Practitioners from the intelligence and special-operations community.

Our services are built on one rule: deliver running capability, not project plans. We measure success in working systems, trained operators, and decisions that happen faster.

Why Orbis

We have done this work. We know what it takes.

Our team comes from the rooms where these decisions get made. Decades of experience across intelligence, operations, and national security, now applied to the hardest problems in government and the private sector. From technology procurement to mission deployment, we have made those calls under pressure. From open-source intelligence to decision support, our capabilities are proven in environments where failure is not an option.

Whether you are a government agency or a private organization, Orbis is your trusted partner. With a relentless commitment to excellence and a passion for safeguarding what matters most, we are dedicated to shaping a more secure future for all.

The outcome: asymmetric advantage

When Orbis is fully deployed, the organization gains:

- Access to data that was previously inaccessible, because the governance and technical infrastructure to move it safely now exists.
- AI-assisted analysis that reaches the decision-maker in time to influence the decision, not after the window has closed.
- Bespoke visualizations and outputs designed for the specific mission, not generic dashboards built for an average user.
- Risk-informed judgment about when to trust AI outputs and when human judgment must take precedence.
- A governed architecture that absorbs the next generation of data sources, AI models, and mission requirements without requiring a rebuild.

The data you already have, working for you. That is the Orbis outcome.

GET IN TOUCH

Connect with our team.

impact@orbisops.com · orbisops.com · (703) 639-0911
6862 Elm St., Suite 300, McLean, VA 22101 · Washington DC · Canberra · Taipei