

HEADQUARTERS & TECHNOLOGY INFRASTRUCTURE

Building, Hardware, Servers, Networking & Enterprise Systems

JAG Global Network • Infrastructure Needs • February 2026

PURPOSE OF THIS DOCUMENT

This document outlines the physical headquarters and technology infrastructure requirements for the JAG Global Ecosystem. As the ecosystem scales from a solo founder to a full operational team, it needs a dedicated facility equipped with the computing power, networking, production systems, and workspace to support 19 interconnected spheres, 7 foundational pillars, and a global community.

This is distinct from the Founder’s personal command center (Document 13). This document describes the organizational headquarters — where the team operates, where servers run, where content is produced, and where the mission scales from.

PHASED INFRASTRUCTURE GROWTH

Phase	Timeline	Description
Phase 1	2026	Startup HQ — Small office/co-working with core technology setup for 5–10 people
Phase 2	2027–2028	Growth HQ — Dedicated office with server room, production studio, and team workspace for 20–50 people
Phase 3	2029–2030	Campus/Beacon HQ — Full headquarters integrated with first Beacon Center, data center, and research facilities
Phase 4	2030+	Global Network — Multiple regional offices, 24 Beacon Centers, data centers, and satellite infrastructure

PHASE 1: STARTUP HEADQUARTERS (2026)

The immediate need is a functional workspace where the founding team can operate the 8-portal launch sequence, manage publishing, run technology systems, and coordinate the volunteer network.

Physical Space Requirements

- Office or co-working space for 5–10 people (800–1,500 sq ft minimum)
- Private office or quiet room for the Founder (writing, recording, strategy)
- Open workspace for team collaboration
- Small conference/meeting room for video calls, investor meetings, and team coordination
- Content production area (video recording, voice recording, photography)

- Secure storage for documents, equipment, and sensitive materials
- Kitchen/break area for team and health/nutrition support
- Reliable power supply with UPS/surge protection for all systems

Location Preferences

- Minnesota (Twin Cities metro area preferred for proximity to Founder)
- Accessible by public transportation or near major highways
- Professional appearance for investor and partner meetings
- Ideally with expansion potential or flexible lease terms

COMPUTING & WORKSTATION HARDWARE

The ecosystem's operations are AI-native and technology-intensive. Every team member needs adequate computing power, and the organization needs centralized systems for content production, AI processing, and data management.

Individual Workstations (Per Team Member)

- Computer: Modern laptop or desktop capable of running multiple applications simultaneously (16GB+ RAM, SSD storage, modern processor)
- Monitor(s): External display(s) — dual monitors recommended for productivity (24–27 inch minimum)
- Keyboard, mouse, and ergonomic accessories
- Headset with microphone for video calls and recordings
- Webcam (1080p minimum) for virtual meetings and content

Founder's Workstation (Enhanced)

- High-performance desktop or laptop (32GB+ RAM, dedicated GPU for content production)
- Professional microphone (condenser or dynamic) for audiobook recording and AI voice training
- Studio lighting for video content and professional virtual appearances
- Triple monitor setup for managing ecosystem operations, writing, and communication simultaneously
- Audio interface for professional voice recording quality

Shared Hardware

- High-quality printer/scanner/copier for document management, legal paperwork, and publishing proofs
- Large-format display or projector for team presentations and strategy sessions
- Video production camera (4K capable) for documentary content and social media
- Professional lighting kit (key light, fill light, backdrop)
- External storage drives for media backup and archival
- Whiteboard or digital display for planning and brainstorming

SERVERS & DATA INFRASTRUCTURE

The JAG ecosystem requires server infrastructure to run websites, AI systems, blockchain verification, content delivery, and data management. In Phase 1, this is primarily cloud-based with a local backup server. As the ecosystem scales, dedicated server infrastructure becomes necessary.

Phase 1: Cloud + Local Hybrid (2026)

- Cloud hosting: Managed WordPress hosting for the website ecosystem (WP Engine, Kinsta, or similar)
- Cloud compute: AWS, Google Cloud, or Azure for AI processing, API hosting, and database management
- Local NAS (Network Attached Storage): 4-bay minimum for local file storage, backup, and media library (8TB+ usable)
- Backup strategy: Automated daily cloud backups + local NAS mirror + offsite cold storage
- CDN (Content Delivery Network): Cloudflare or similar for fast global content delivery

Phase 2: Dedicated Server Room (2027–2028)

- Rack-mounted server(s) for internal applications, databases, and AI model hosting
- Dedicated Genesis Ledger node for blockchain anchoring and verification
- Media server for centralized content library (video, audio, images, manuscripts)
- Server room climate control (cooling, humidity management)
- UPS (Uninterruptible Power Supply) with battery backup for all server hardware
- Firewall appliance and network security monitoring

Phase 3: Data Center (2029+)

- First JAG data center (10MW facility in Minnesota per JAG AI Business Plan)
- GPU cluster (2,000+ GPUs) for AI model training and inference
- Multi-region redundancy with secondary data center locations
- Quantum-ready encryption infrastructure
- Zero-trust security architecture

NETWORKING & CONNECTIVITY

Reliable, high-speed internet is the lifeline of the ecosystem. Every operation — from AI API calls and blockchain anchoring to video streaming and virtual meetings — depends on connectivity.

Phase 1 Requirements

- Business-grade internet: 500Mbps+ symmetrical (fiber preferred)
- Redundant connection: Secondary ISP or cellular failover for uptime reliability
- Business-grade Wi-Fi router/access points (mesh network for full coverage)
- VPN for secure remote access by distributed team members
- Managed network switch for wired connections to workstations and servers

- Static IP address(es) for hosting and server access

Security Infrastructure

- Hardware firewall (enterprise-grade)
- Network segmentation (separate VLANs for operations, guest, IoT/production)
- Endpoint protection on all workstations
- Password manager (enterprise) for team credential management
- SSL certificates for all web properties
- Regular security audits and penetration testing (post-funding)

CONTENT PRODUCTION INFRASTRUCTURE

The JAG ecosystem produces books, audiobooks, video content, podcasts, courses, social media assets, and documentary footage. The headquarters needs production-capable infrastructure.

Recording Studio / Production Room

- Acoustically treated space for voice recording (audiobooks, AI voice training, podcasts)
- Professional microphone setup (condenser mic, pop filter, boom arm, shock mount)
- Audio interface (Focusrite Scarlett, Universal Audio, or similar)
- Studio monitors or reference headphones for audio review
- Green screen or professional backdrop for video content
- Teleprompter for scripted video content

Video & Photography

- Cinema-quality camera (Sony, Canon, or Blackmagic — 4K minimum)
- Lens kit (wide angle, portrait, macro for product/book photography)
- Professional lighting kit (3-point lighting minimum)
- Tripod, gimbal/stabilizer, and slider for professional footage
- Wireless lavalier microphone system for on-location recording

Post-Production

- Video editing workstation with dedicated GPU (Adobe Premiere Pro, DaVinci Resolve)
- Audio editing software (Adobe Audition, Logic Pro, or Audacity)
- Graphic design software (Adobe Creative Suite, Canva Pro)
- High-capacity storage for raw footage and media archives (multiple TB)

SOFTWARE & PLATFORM SUBSCRIPTIONS

The ecosystem operates on a comprehensive software stack. These are ongoing operational costs that must be budgeted from day one.

Category	Platform	Purpose
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Mission Control	Notion	Project management, documentation, knowledge base
Automation	Make.com	Workflow automation — the ecosystem's nervous system
AI Intelligence	Claude API (Anthropic)	Content generation, analysis, operations support
Voice AI	ElevenLabs	Voice synthesis, audiobook narration
Websites	WordPress + Hosting	Public-facing website ecosystem
E-commerce	WooCommerce + Stripe	Book sales, program enrollment, payments
Email Marketing	ConvertKit	Newsletter, email campaigns, automations
Social Media	Buffer	Content scheduling and analytics
Design	Canva Pro / Adobe CC	Graphics, video editing, brand assets
CRM	HubSpot / Notion CRM	Contact management, volunteer tracking, donor relations
Publishing	Amazon KDP + IngramSpark	Book distribution (print and digital)
Book Formatting	Vellum / Atticus	Interior book layout and formatting
Blockchain	Polygon / Ethereum	Genesis Ledger timestamping and verification
Video	YouTube + Vimeo	Video hosting, streaming, and distribution
Cloud Storage	Google Workspace / Drive	Team collaboration, file storage, email
Security	VPN + Password Manager	Team security and credential management
Domains	Multiple registrars	30+ domains in the JAG ecosystem
Analytics	Google Analytics + Search Console	Website traffic and SEO monitoring

ESTIMATED PHASE 1 INFRASTRUCTURE BUDGET

Item	Estimated Cost	Priority
Office space (12 months lease)	\$12,000–\$36,000/yr	CRITICAL
Founder workstation + studio setup	\$3,000–\$5,000	CRITICAL
Team workstations (5 units)	\$5,000–\$10,000	CRITICAL
Monitors & peripherals	\$2,000–\$4,000	CRITICAL
Business-grade internet (annual)	\$1,200–\$3,600/yr	CRITICAL
NAS / local storage	\$500–\$1,500	HIGH

Cloud hosting & services (annual)	\$3,000–\$8,000/yr	CRITICAL
Software subscriptions (annual)	\$5,000–\$12,000/yr	CRITICAL
Recording studio setup	\$2,000–\$5,000	HIGH
Video production equipment	\$3,000–\$8,000	HIGH
Networking equipment (router, switch, firewall)	\$500–\$2,000	HIGH
UPS / power protection	\$300–\$800	HIGH
Printer/scanner	\$300–\$800	MEDIUM
Office furniture & setup	\$2,000–\$5,000	MEDIUM
Security systems (physical + digital)	\$500–\$1,500	HIGH

Total Phase 1 estimated range: \$37,300 – \$103,200 (first year including recurring costs). This is within the Technology allocation of the \$2.5M seed round (\$800K / 32% for technology development).

HOW YOU CAN HELP

- Donate or loan computing hardware (laptops, desktops, monitors, servers)
- Offer or help locate affordable office/co-working space in the Twin Cities area
- Sponsor software subscriptions or cloud hosting costs
- Donate recording or video production equipment
- Provide IT consulting, network setup, or security assessment services
- Contribute financially through GoFundMe or direct investment to fund infrastructure
- Connect the team with technology partners, resellers, or equipment donors
- Offer server hosting, co-location, or cloud credits

WHY THIS MATTERS

The JAG ecosystem is AI-native by design — projected to automate 60–80% of operations through technology. But that technology layer requires physical infrastructure to run. The servers, the computers, the network, the production studio, and the workspace are not luxuries — they are the foundation that everything else is built on.

Phase 1 infrastructure enables the 8-portal launch sequence, the 10-book publishing pipeline, the Genesis Ledger verification system, the volunteer network, the crowdfunding campaigns, and every other element of the ecosystem. Without it, 13 years of architectural planning stays on paper. With it, the architecture comes alive.

TO CONTRIBUTE OR PARTNER

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JAG Global Network

The Architecture of Ascension