RFP: Statement of Requirements

Contract Reference: **HPO24A01**

Provision of AI-Powered Holographic Project Office

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# 1. PURPOSE

The Buyer seeks to procure a Supplier with demonstrable experience and expertise in holographic AI-driven project management solutions to design, develop, and deploy a Holographic Project Office (HPO). The HPO will provide real-time project monitoring and control using AI-driven decision support systems, live feeds of project data, and immersive visualizations. The Supplier will work collaboratively with the Buyer to ensure the solution meets all operational, security, and performance requirements.

# 2. BACKGROUND TO THE BUYER

The Buyer operates within Nova Britannia, a recently formed nation of 1.5 million people that gained independence from a union of nations. As part of the independence agreement, Nova Britannia secured a $45 billion settlement over 10 years to fund infrastructure and service transformation projects. The goal of this funding is to establish economic and environmental sustainability while reducing dependencies on its former union.

Nova Britannia is undergoing rapid development, investing in digital transformation, green energy, and modern infrastructure to secure its future prosperity. As part of this effort, the government is implementing innovative project management solutions to ensure that all investments are efficiently managed, transparent, and deliver long-term value.

The Buyer is responsible for overseeing strategic national projects, ensuring that all initiatives align with Nova Britannia’s vision of becoming a self-sufficient, technologically advanced, and environmentally responsible nation.

# 3. OVERVIEW OF REQUIREMENT

Managing large-scale infrastructure and development projects presents real-time data integration and decision-making challenges. Traditional project offices rely on static reporting methods, leading to inefficiencies in execution. The Holographic Project Office (HPO) will serve as a digital command center, integrating real-time data feeds, predictive AI analytics, and immersive visualization to provide instant insights into project progress, risks, and performance.

Key Features of the HPO include:

* Holographic interface for 3D project visualization.
* AI-driven analytics and forecasting to enhance decision-making.
* Integration with IoT sensors and project management software.
* Real-time multi-user collaboration capabilities.
* Customizable dashboards and risk monitoring tools.
* Security and access control for sensitive project data.

# 4. DEFINITIONS

Holographic Project Office (HPO): A digital, AI-driven command center using holographic projections for project visualization and control.  
AI Decision Engine: The core AI system analyzing data and providing predictive insights.  
Live Data Feeds: Real-time project metrics from IoT sensors, drones, and software integrations.  
Immersive Collaboration: Multi-user real-time engagement in a virtual project space.

# 5. SCOPE OF REQUIREMENT

The Supplier will be responsible for the design, development, deployment, and maintenance of the HPO. The solution must be:

* Scalable and adaptable to different project types and locations.
* Interoperable with existing project management tools.
* AI-powered for predictive analytics and automated reporting.
* Secure, meeting national cybersecurity standards.
* User-friendly with minimal training requirements.

# 6. THE REQUIREMENT

The Supplier must deliver:

1. Holographic Command Interface – A responsive and interactive 3D interface for project visualization.
2. AI-Driven Decision Support System – Predictive analytics, anomaly detection, and automated alerts.
3. Live Data Integration Framework – Aggregation of IoT, financial, scheduling, and risk data.
4. Customizable Reporting & Dashboards – Real-time insights for different stakeholders.
5. Collaboration Suite – Multi-user holographic workspaces with remote access.
6. Training & Support – Ongoing maintenance, updates, and user training.

# 7. KEY MILESTONES AND DELIVERABLES

* Month 1-3: System Architecture & Prototype Development.
* Month 4-6: Beta Testing with Live Project Data.
* Month 7-9: Full Deployment & User Training.
* Month 10-12: Performance Optimization & Continuous Improvement.

# 8. MANAGEMENT INFORMATION / REPORTING

The Supplier must provide monthly progress reports, including:

* System performance metrics.
* User feedback and system adoption rates.
* AI-generated insights and key decision-making impacts.
* Identified risks and mitigation strategies.

# 9. SECURITY AND CONFIDENTIALITY REQUIREMENTS

* Compliance with Nova Britannia's Cybersecurity Framework.
* Data encryption and secure cloud infrastructure.
* Access control policies ensuring only authorized personnel interact with the HPO.

# 10. CONTINUOUS IMPROVEMENT

The Supplier must ensure:

* Quarterly system updates and optimizations.
* AI algorithm refinements based on usage patterns.
* Implementation of user-requested enhancements.

# 11. SUSTAINABILITY / SOCIAL VALUE

* Local Workforce Development: Train local talent in AI and holographic technologies.
* Economic Revitalization: Partner with local technology firms for system components.
* STEM Initiatives: Support educational programs in AI and digital transformation.

# 12. STAFF AND CUSTOMER SERVICE

The Supplier shall provide a dedicated team, including:

* AI & Data Science Experts.
* Holographic UX/UI Designers.
* Project Management Specialists.
* Security & Compliance Officers.

# 13. SERVICE LEVELS AND PERFORMANCE

* System Uptime: 99.5% availability.
* Data Processing Speed: Near real-time (under 2-second latency).
* Incident Resolution Time: Critical issues within 2 hours.

# 14. PAYMENT AND INVOICING

Payment shall be based on the successful achievement of key milestones. Invoices must include:

* Detailed work breakdown.
* Milestone completion evidence.
* Compliance with the Buyer’s financial procedures.

# 15. CONTRACT MANAGEMENT

* Regular governance meetings to review performance.
* Formalized issue escalation processes.
* Annual contract performance review and renegotiation.

# 16. LOCATION

The HPO will be deployed in Aurelia, the capital city of Nova Britannia. Remote access must be supported for users in different regions.

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