

# **Data Center Technology Asset Comprehensive Report**

## **Confidential Proprietary Document**

**Prepared for: Confidential Due Diligence Review**

**Date of Preparation: January 22, 2024**

**Prepared By: Nexus Intelligent Systems, Inc. Legal Department**

## **1. Executive Summary**

1 This comprehensive report provides a detailed assessment of Nexus Intelligent Systems, Inc.'s data center technology assets, encompassing a holistic evaluation of technological infrastructure, hardware inventory, software ecosystems, and critical technological capabilities.

2 The report represents a comprehensive audit of all technology assets material to the company's enterprise AI services and predictive analytics platform, conducted in preparation for potential strategic transaction or investment consideration.

## **2. Asset Inventory Classification**

### **1 \*\*Hardware Infrastructure\*\***

- Total Server Inventory: 42 enterprise-grade servers
- Primary Manufacturers: Dell PowerEdge R740, HPE ProLiant DL380
- Aggregate Computational Capacity: 672 CPU cores
- Total Installed RAM: 4.8 TB
- Storage Configuration:
  - a) 320 TB Raw Storage Capacity
  - b) Hybrid SAN/NAS Architecture
  - c) RAID 10 Redundancy Configuration

### **2 \*\*Network Infrastructure\*\***

- Core Network Switches: Cisco Nexus 9336C-FX2
- Bandwidth Capacity: 100 Gbps aggregate
- Network Topology: Distributed redundant architecture
- Firewall Protection: Multi-layer Palo Alto Networks enterprise solution

### **3. Software Ecosystem Evaluation**

#### **1 \*\*Operating Systems\*\***

- Primary Platform: Red Hat Enterprise Linux 8.4
- Virtualization Layer: VMware vSphere 7.0
- Containerization: Kubernetes 1.22 with Docker Enterprise

#### **2 \*\*Database and Storage Systems\*\***

- Primary Databases:
  - a) PostgreSQL 13.3
  - b) MongoDB Enterprise 5.0
- Data Warehousing: Snowflake Enterprise
- Backup/Disaster Recovery: Veeam Backup & Replication v11

### **4. Technological Asset Valuation**

- 1 Estimated Replacement Cost: \$3,750,000
- 2 Depreciated Book Value: \$2,100,000
- 3 Projected Remaining Useful Life: 36-48 months

### **5. Compliance and Certification Status**

#### **1 \*\*Regulatory Compliance\*\***

- SOC 2 Type II Certification: Current (Expires: September 2024)
- GDPR Compliance: Fully Implemented
- CCPA Data Protection Protocols: Validated

#### **2 \*\*Security Certifications\*\***

- ISO 27001:2013 Information Security Management
- NIST 800-53 Security Control Framework Alignment

### **6. Risk Assessment**

#### **1 \*\*Technology Obsolescence Risk\*\***

- Low to Moderate

- 68% of infrastructure less than 24 months old
- Proactive upgrade and refresh strategy in place

## 2 **\*\*Cybersecurity Risk Profile\*\***

- Threat Detection: Advanced machine learning-based monitoring
- Incident Response Capability: Tier 3 Enterprise Level
- Annual Penetration Testing: Conducted by third-party security firm

## **7. Legal Disclaimers**

1 This document is prepared solely for confidential due diligence purposes and represents management's best current assessment of technological assets.

2 All valuations and assessments are subject to change and do not constitute a binding representation of asset value or condition.

## **8. Certification of Accuracy**

I, Dr. Elena Rodriguez, CEO of Nexus Intelligent Systems, Inc., certify that the information contained herein is true, accurate, and complete to the best of my knowledge as of the date of preparation.

—

Dr. Elena Rodriguez

Chief Executive Officer

Nexus Intelligent Systems, Inc.

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