

# SOFTWARE INVENTION PROTECTION CERTIFICATE

## PREAMBLE

THIS SOFTWARE INVENTION PROTECTION CERTIFICATE (the "Certificate") is executed this 22nd day of January, 2024, by NEXUS INTELLIGENT SYSTEMS, INC., a Delaware corporation with principal offices at 1200 Technology Park Drive, Austin, Texas 78758 (the "Company").

## DEFINITIONS

1 "Invention" shall mean any and all software algorithms, source code, architectural designs, machine learning models, predictive analytics frameworks, and related intellectual property developed by the Company's research and development team between January 1, 2018 and the date of this Certificate.

2 "Protected Intellectual Property" refers to specific software inventions that meet the criteria of novelty, non-obviousness, and demonstrable technological advancement as defined herein.

## REPRESENTATIONS AND WARRANTIES

### 1 Invention Ownership

The Company hereby certifies that:

- a) All software inventions have been developed exclusively by Company employees within the scope of their employment
- b) No third-party contractors or external consultants have claims to the underlying intellectual property
- c) All inventions were created using Company resources and during standard work hours

### 2 Patent and Registration Status

The Company affirms that:

- a) Seventeen (17) distinct software inventions have been filed for provisional patent protection
- b) Nine (9) patents are currently pending with the United States Patent and Trademark Office
- c) Four (4) patents have been granted with full legal protection

## DISCLOSURE OF PROTECTED INVENTIONS

### 1 Comprehensive Invention Catalog

The following software inventions are specifically identified and protected under this Certificate:

a) Predictive Maintenance Algorithm (Patent Pending: 62/987,453)

- Machine learning model for industrial equipment failure prediction
- Developed by Dr. Michael Chen, Chief Technology Officer
- Estimated commercial value: \$3.2 million

b) Enterprise AI Diagnostic Framework (Patent Pending: 62/987,454)

- Comprehensive diagnostic tool for complex industrial systems
- Developed by Research Team under Dr. Elena Rodriguez's supervision
- Estimated commercial value: \$2.7 million

c) Intelligent Automation Platform (Granted Patent: 10,876,543)

- Advanced AI-driven workflow optimization system
- Developed by Sarah Williamson, Chief Strategy Officer
- Estimated commercial value: \$4.5 million

## **LEGAL PROTECTIONS**

### **1 Confidentiality Provisions**

The Company affirms that:

- a) All software inventions are subject to strict confidentiality agreements
- b) Employee and contractor non-disclosure protocols are rigorously enforced
- c) Comprehensive digital and physical security measures protect intellectual property

### **2 Ongoing Protection Mechanisms**

The Company maintains:

- a) Regular intellectual property audits
- b) Continuous monitoring of potential infringement
- c) Robust legal strategies for defending proprietary technologies

## **LIMITATIONS AND DISCLAIMERS**

1 The protections outlined in this Certificate are valid for a period of seven (7) years from the date of execution, subject to ongoing patent and trademark registrations.

2 The Company reserves the right to modify, update, or discontinue protection for specific inventions based on technological obsolescence or strategic considerations.

## **EXECUTION**

IN WITNESS WHEREOF, the undersigned authorized representatives of Nexus Intelligent Systems, Inc. execute this Software Invention Protection Certificate as of the date first written above.

## **AUTHORIZED SIGNATURES**

Dr. Elena Rodriguez  
Chief Executive Officer  
Nexus Intelligent Systems, Inc.

Michael Chen  
Chief Technology Officer  
Nexus Intelligent Systems, Inc.

Sarah Williamson  
Chief Strategy Officer  
Nexus Intelligent Systems, Inc.