

SimPlatform

KOSDAQ

Korea's First KOSDAQ-Listed
Industrial AI Company

Your best **AX** Partner

Your Trusted Industrial AI Partner



website
www.nubison.io

AI Model Development Challenges

Q. Can't we just use an LLM to process industrial data and build the right AI model?

A. Due to their unique characteristics, **industrial site data cannot be fully handled by LLMs alone.**

- | | |
|---|--|
| ⚠ Generation of massive sensor data per second | ⊘ LLMs are insufficient for real-time analysis |
| ⚠ Need for specialized mathematical computation | ⊘ Cannot provide rigorous mathematical precision |
| ⚠ Requirement for correlated analysis of data | ⊘ Difficulties in multimodal integration |
| ⚠ Necessity of domain-specific algorithms | ⊘ Limited capability to build these algorithms |
| ⚠ Demand for high accuracy and stability | ⊘ Potential risks caused by hallucination |



**What You
Expected**

**AI Model
Development**



The Reality of AI Adoption

Q. If AI models are well designed with industrial data characteristics in mind, wouldn't field deployment be simple?

A. Not quite. Applying AI in real industrial environments requires seamless integration with existing services, front-end applications, infrastructure, and MLOps, etc. What makes this possible is a comprehensive, technology-intensive solution the industry-specific AI platform.

AI Transformation in industry requires industrial data-tailored AI models and a specialized AI platform covering assessment, implementation, and operation.

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The Reality of Implementation

AI Model Development is Just the Tip of the Iceberg

Implementing AX in Practice Requires a Multi-Layered System

AI Model Development

Integration with existing services

Re-Training UI/UX System Development

NPU/GPU/CPU integrated infrastructure

High-availability and scalable infrastructure

AI model serving infrastructure

AI performance monitoring system

AI deployment management system

Training data pipeline

Front-End

Infrastructure

MLOps

A comprehensive set of cross-domain technologies is essential



Empowering Your Business with Industrial AI

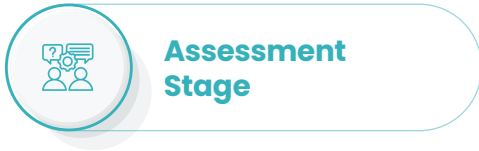
SimPlatform provides the optimal AI platform and consulting services for enterprises pursuing AI-Driven Transformation.



Key Features

Technology	AI capabilities optimized for industrial data Holder of numerous national excellence awards and recognition
Reliability	14 years of accumulated experience and trust in industrial fields Proven reliability across industries such as semiconductors and displays
Convenience	All-in-One Industrial AI Service Flexible support for both cloud and on-premise environments Ready-to-use AI model packages applicable across the entire industrial value chain
Cost Efficiency	Cloud-based initial setup plus subscription plans to minimize costs
Security	Certified with CSAP (Cloud Security Assurance Program) Multiple international ISO certifications

NUBISON Turning Manufacturing Innovation into Reality



Successful AI-Driven Transformation requires the full cycle of assessment, implementation, and operation. Nubison delivers the core capabilities of AI- driven transformation across the entire process, both in cloud and on-premise, tailored to each company's needs.



Implementation Stage



Operation Stage

NUBISON AIOT

Industrial AI platform

End-to-end coverage from industrial data collection to AI management

Rapid deployment of industrial AI models into real services

Data conversion system to integrate with existing systems



NUBISON MLOps

Industrial AI Model Deployment management

All-in-one functions for easy AI model development and operation

A variety of tools supporting effortless retraining

Ensuring reliability with data drift detection continuous model performance monitoring



Data & Features



AI Model Learning



AI Model Deployment



Performance Tracking



Automation & CI/CD

NUBISON K8S

Industrial Infrastructure Management for AI-Driven Transformation

Optimized server resource management for high availability and efficiency in AI-driven transformation

Kubernetes-based deployment enabling seamless delivery and scalable expansion

Service provided at MSP level

Cloud

On-Premise

Business Areas & Key Clients

Clients across manufacturing, public, and healthcare sectors drive continuous innovation with SimPlatform.

Public

 Industrial Safety AI Construction Safety Platform	 9 Sports including Badminton National team AI coaching	 ECG ailment prediction Time series pattern classification	 Vaccine freezer Time series pattern classification
 Measuring equipment Multidimensional complex analysis	 Fire detectors Aperiodic time series prediction		

Private

 Anomaly patterns on semiconductor wafers Image pattern Classification	 Semiconductor equipment (CVD) time series anomaly prediction Multidimensional analysis	 Automotive Parts Assembly Process AI-Based Quality Prediction	 Semiconductor Inspection equipment Input-Output Feedback optimization
 Electric Propulsion Ship AI-Based monitoring service	 Rolling machine Aperiodic time series anomaly pattern prediction	 Display Manufacturing Process Machine Vision-Based Defect Detection	 Water purification and measurement devices Aperiodic time series prediction
 Press-fitting devices Aperiodic time series anomaly pattern prediction	 Vacuum pumps Vibration-based time series anomaly pattern prediction	 Molding devices Aperiodic time series anomaly pattern prediction	 Semiconductor equipment (Sputter) time series anomaly prediction Multidimensional analysis
 Telemedicine Services Medical device integration	 Constitution Classification Image pattern Classification	 Classification of Breathing patterns Time series pattern Classification	 Industrial Safety Smart safety platform

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NUBISON References



SimPlatform
www.simplatform.com

AX Division 555 Samseong-ro, 4F, Gangnam-gu, Seoul, Korea
HQ 226 Gasan digital 1-ro, Rm. 2003, Geumcheon-gu, Seoul, Korea
Tel. **+82-2-6405-4338** | email **ax@simplatform.com**