



# 今皓實業法人說明會

JI-HAW Institutional Investors Conference

December 30, 2024

## Disclaimer

- ▶ The content of this presentation is prepared based on the financial statements certified by accountants. The financial statements are prepared in accordance with IFRS, and complete content and information must be based on the financial reports.
- ▶ This presentation may contain forward-looking statements. Such statements are based on current expectations but are subject to known or unknown risks or uncertainties, and actual results may significantly differ from the stated content.
- ▶ Except as required by law, the company is not obligated to proactively update forward-looking statements due to new information or future events.

Part 1. Company Profile | Business and Forecast

Part 2. AI Project Development and Layout

Part 3. Financial Overview of JI-HAW

# Part 1

## Company Profile | Business and Forecast



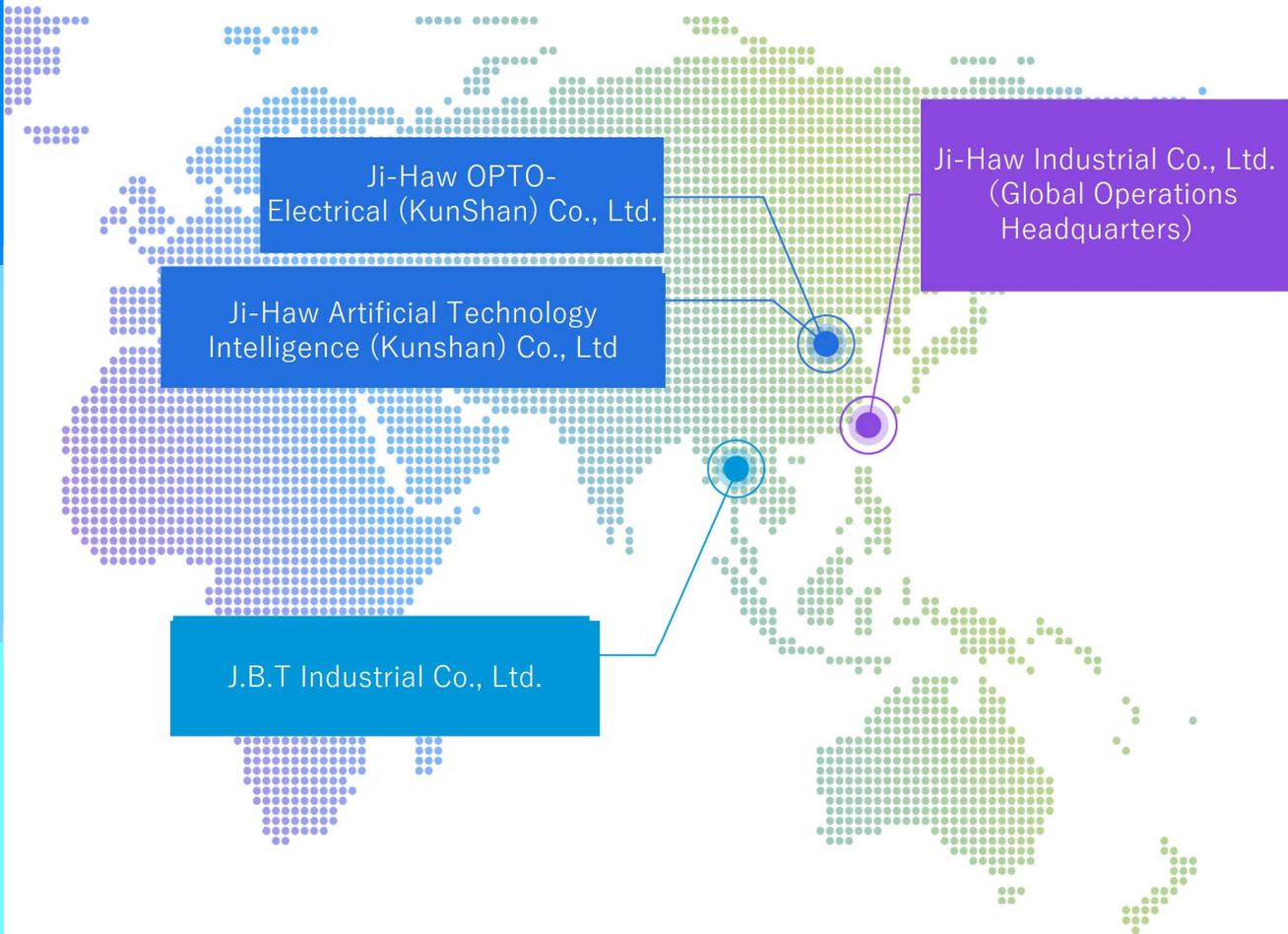
**Ji-HAW Industrial Co., Ltd. (Global Headquarters)**  
 ESTABLISHED IN TAIWAN IN 1983  
 LOCATION : HSIN TIEN CITY, NEW TAIPEI CITY  
 CONSTRUCTION AREA : 7,624.89 m<sup>2</sup>  
 LAND SIZE : 3,218.78 m<sup>2</sup>



**Ji-Haw OPTO-Electrical (KunShan) Co., Ltd.**  
**Ji-Haw Artificial Technology Intelligence (Kunshan) Co., Ltd**  
 ESTABLISHED IN 2005  
 PAID-IN CAPITAL : USD 7.6 MILLION  
 CONSTRUCTION AREA : 39,061.16 m<sup>2</sup>  
 LAND SIZE : 33,333 m<sup>2</sup>



**J.B.T Industrial Co., Ltd.**  
 ESTABLISHED IN 1988  
 PAID-IN CAPITAL : USD 13.8 MILLION  
 CONSTRUCTION AREA : 13,500 m<sup>2</sup>  
 LAND SIZE : 16,000 m<sup>2</sup>



## 1983~1999

1983  
Founded JI-HAW Industrial Co., Ltd.

1985  
Reorganized into JI-HAW Industrial Corporation.

1986  
Expanded operations and relocated to a self-owned facility in Xindian.

1990  
Paid-in capital reached NTD 60,000,000.

1995  
Invested in JI-HAW Electronics (Shanghai) Co., Ltd. and JI-HAW America, Inc.

1997  
Invested in Thailand's J.B.T and J.H.T.

1998  
In October, launched a public stock offering, increasing capital to NTD 258,825,000.

1999  
Invested in JI-HAW Electronics (Kunshan) Co., Ltd. and developed flexible flat cable (FFC) products.

## 2001~2017

2001  
Invested in JI-HAW Electronics (Kunshan) Co., Ltd. and JI-HAW Precision Ceramics (Kunshan) Co., Ltd.

2002  
Approved for OTC market listing (July 22, 2002); Established JI-HAW Global Operations Headquarters in Taiwan; Issued convertible corporate bonds of NTD 359,000,000.

2003  
Relocated JI-HAW Global Operations Headquarters to an independent building in Xindian.

2012  
Completed implementation of IFRSs and prepared financial statements under IFRS standards.

2016  
Invested in JI-HAW Investment Co., Ltd., an overseas subsidiary.

2017  
Thailand subsidiary JBT invested in JI-HAW Optoelectronics (Kunshan) Co., Ltd. (JHP); Increased capital for JI-HAW Investment Co., Ltd. (JHI).

## 2018~2024

2018  
Invested in JI-HAW Optoelectronics (Kunshan) Co., Ltd.

2019  
Completed liquidation of U.S. subsidiary JI-HAW America, Inc.

2021  
Overseas subsidiary JI-HAW Electronics (Kunshan) Co., Ltd. announced the disposal of real estate and divestment of JI-HAW Optoelectronics (Anhui) Co., Ltd. (J.H.E.) with profit from the sale.

2022  
Established an Audit Committee.

2023  
Acquired 100% equity of CHINTEC Technology, officially entering the automotive AI field; Signed an AI technology cooperation agreement with SenseTime Taiwan.

2024  
Established a Sustainable Development Committee.  
Invested in Zhengcheng Electronics Co., Ltd.  
Invested in Yongxian Think Tank Co., Ltd.  
Invested in HaoFeiSi Co., Ltd.  
Invested in Jizuan Semiconductor Investment Co., Ltd.



# Technical Services | Cable Assembly



FLEXIBLE FLAT CABLE



CABLE ASSEMBLY



CABLE ASSEMBLY





# Technical Services | Granulation & Wire Drawing

Granulation



Wire drawing





# Technical Services | Physical / Electrical / ROHS Testing Equipment



▲ Flame Tester



▲ Automatic Inserting / Pulling Force Tester



▲ Electronic Universal Material Testing Machine



▲ Thermal Shock Test Chamber



▲ Salt Spray Tester



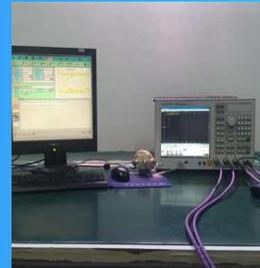
▲ Programmable Temperature & Humidity Tester



▲ Electrostatic Discharge Simulator Tester



▲ Time Domain Reflectance Mega Ohm Meter



▲ Network Analyzer



▲ LCR Meter



▲ Voltage Withstand Tester



▲ X-Ray Fluorescence (XRF) Tester



▲ Gas Chromatography-Mass Spectrometry (GC/MS)



▲ Ion Chromatography (IC)



▲ Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)



▲ UV-Visible Spectrophotometer (UV)



# Product Advantages | Compliance / Quality / Environmental / Product Certifications





# Product Introduction | 3C External Cables

## USB Cables



USB2.0  
USB3.0  
USB3.1 GEN1/GEN2  
USB4.0 GEN2/GEN3

## DP Cables



DP1.2/1.2a  
DP1.4/1.4a  
DP2.1

## HDMI Cables



HDMI1.4  
HDMI2.0  
HDMI2.1



# Product Introduction | Internal Cables for Laptops

**LVDS Cables**



**Wire Gauge : 36AWG~46AWG options available**  
**Pitch : 0.25mm~0.5mm**  
**Compatible with specified connectors, supports mixed soldering**

**FFC Flexible Flat Cables**



**Materials : NITTO N**  
**PITCH : 0.3mm 、 0.4mm 、 0.5mm 、 0.8mm 、 1.0mm 、 1.25mm 、 1.5mm 、 2.0mm 、 2.54mm**  
**Conductor Plating : Gold plating, tin plating, etc.**  
**Insulation Layer Thickness : 43μm, 60μm, etc.**

**FPC Flexible Printed Circuit Cables**



**PITCH : 0.4mm 、 0.5mm 、 1.0mm**  
**Conductor Plating : Gold plating, nickel plating, etc.**  
**Layers : Single-layer, double-layer, three-layer, four-layer boards**

**Wire Harness**



**Customized according to customer requirements**  
**Terminal crimping and housing assembly available**



# Product Introduction | Automotive Cables

## Automotive Cable Harness



- Reverse Radar Harness
- Motor Harness
- Transmissi on Shift Harness
- Lighting Harness
- Door Harness
- Reverse Camera Harness
- Seat Heating Harness

## Automotive High-Voltage Cables



- EV High-Voltage Harness

## Charging Pile and Box



- Smart AC Charging Pile
- Mode 2 Charging Box



# Our Customers

Car Cables  
 Engine/Light Unit  
 Chargers  
 Vehicle Wire Harness



External Cables  
 Computer Monitors



Internal Cables  
 Laptop LVDS  
 Laptop FFC





# Business Outlook and Layout for Connection Cables

## ODM & Module Assembly Business Layout

- ① Synergy from the acquisition of Qinten in design and development.
- ② Reconfiguration of automated production lines and outsourcing supply chains.
- ③ Expansion from cable production to module shipments and assembly business.

## High-End Application Transmission Cable Expansion

- ① Future focus on high-margin end products, such as automotive cables, high-speed transmission, and AI PC-related businesses to enhance product portfolio profitability.

## Automotive Transmission Cable Expansion

- ① Existing automotive clients of JI-HAW : Mahle, etc.
- ② Automotive clients brought in by the acquisition of Qinten : Suzuki, etc.
- ③ Optimizing product mix to enhance automotive products and market development.

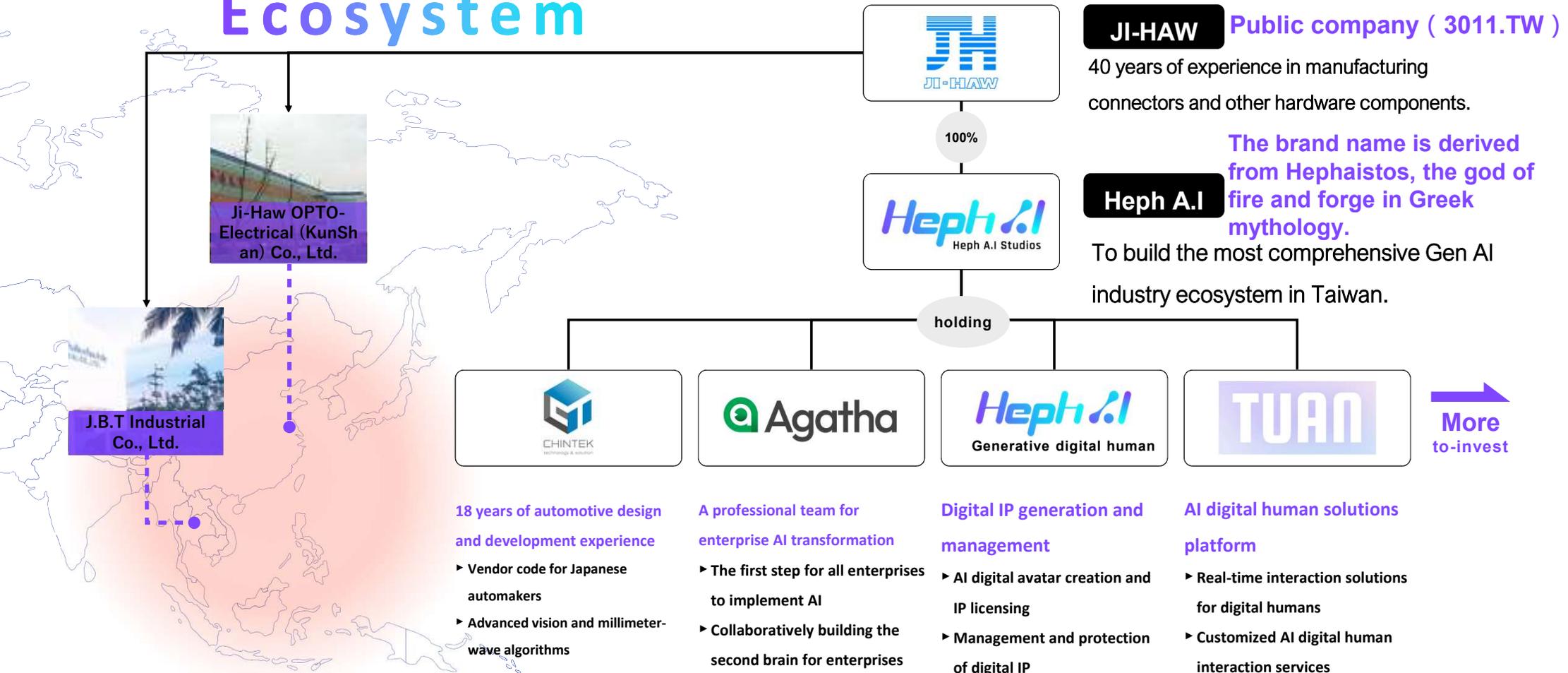
## Southeast Asia Production Layout Expansion

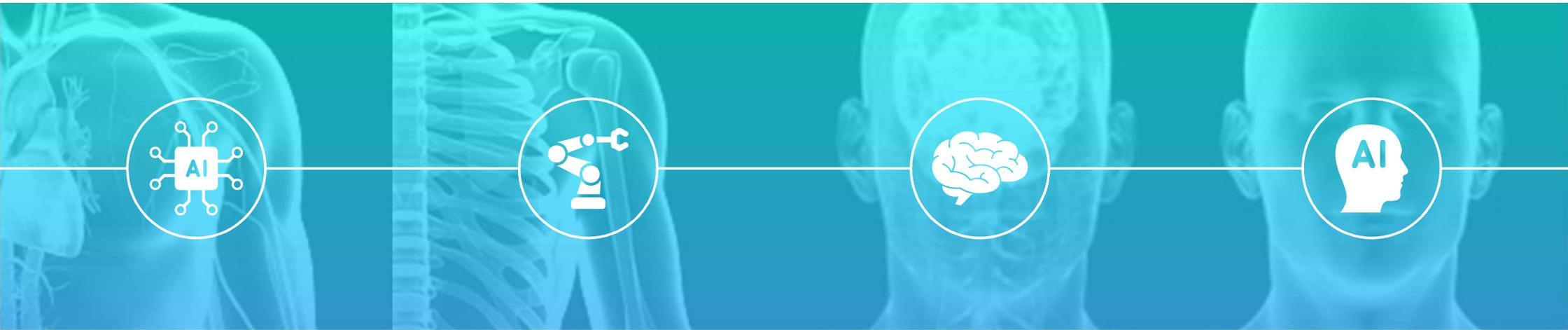
- ① Leveraging resources from JI-HAW's Europe, Americas, and Taiwan clients and Qinten's Japanese clients, along with JI-HAW's advantages in Thailand, China, and Vietnam factories, to increase visibility and competitiveness in the market.
- ② Increased investment in the Thailand plant, which began scaling up five years ago, with plans for further investment over the next 3~5 years.
- ③ Vietnam subsidiary established in 2023.

## Part 2

# Development and Arrangement of AI Business

# Taiwan's Most Comprehensive AI Ecosystem





## Product 1

**AI Server Cables and  
Hardware Products**

## Product 2

**Automotive AI  
Systems and Robotics**

## Product 3

**Agatha – The Enterprise  
Second Brain**

## Product 4

**TUAN Digital Human  
Application Platform**

**Integration of Various AI Application  
Scenarios Specifications & Mass  
Production :**

**Cables : AI server cables, AI PC cables, automotive AI cables**

**Hardware : AI hardware, modules, complete systems**

**Framework : Automotive AI systems, robotics**

**Customization & Applications :**

**Brain : Agatha as an enterprise second brain with  
personalized AI.**

**Skin : TUAN as a digital human application platform.**



## Server External Cables

QSFP28 | 100G

QSFP56 | 200G

QSFP112 | 400G ( Under Development )



## Server Internal Cables

MiniSAS HD | PCIe 4.0-32G-MRZ-64G-PAM4

SlimSAS | PCIe 4.0-32G-MRZ-64G-PAM4

OCuLink | PCIe 4.0-32G-MRZ-64G-PAM4

Gen-Z | PCIe 5.0-32G-MRZ-112G-PAM4

MCIO | PCIe 5.0-32G-MRZ-112G-PAM4

MCIO I PCIe 6.0 - 64GT- MRZ- 256GB- PAM4 ( Under Development )

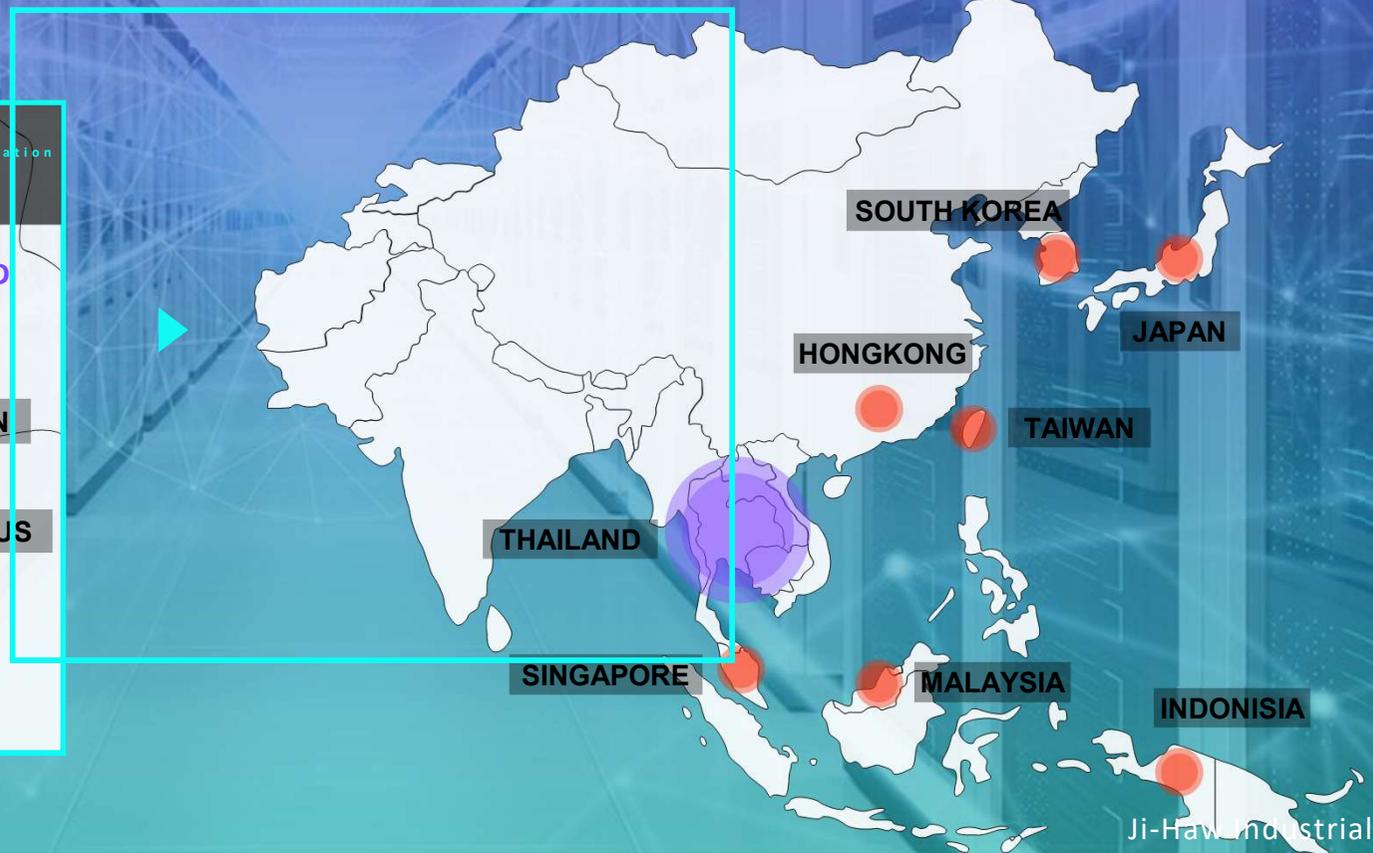
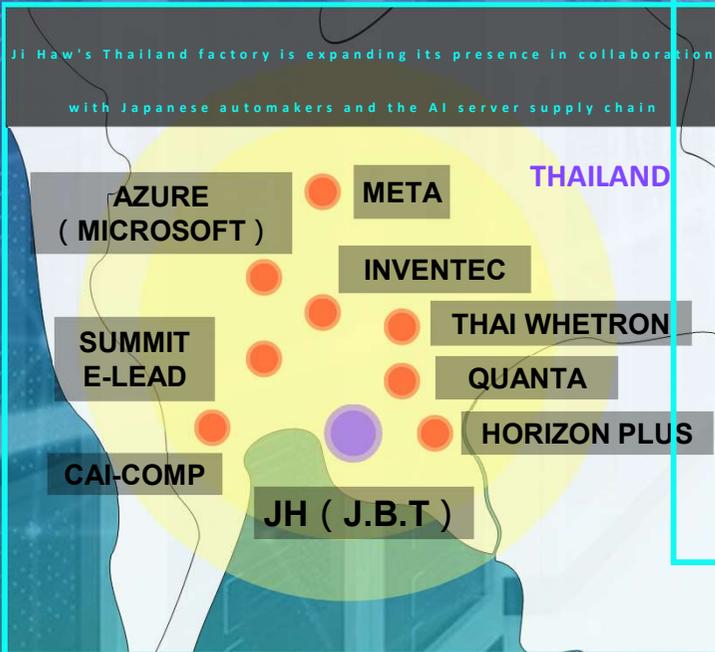


# From Thailand to All of Asia : AI Solution Center

Design and development

Production and manufacturing

AI algorithms and computing power



# Qinten Automotive AI : Sense Anything, Connect Everything

Vendor codes with multiple Japanese automakers.

Automotive AI vision and millimeter-wave algorithms.

Extended applications in robotics and medical care.

## Applied Technologies

AI-AVM Intelligent Surround View Warning System

DMS Driver Monitoring System

60 GHz Millimeter-Wave Monitoring System

## Partner



# Smart Transportation Applications > Automotive Intelligent AI Systems



Automotive AI  
autonomous driving

## Autonomous Driving Algorithms

Integration of cameras, millimeter-wave technology, GPS, power systems, Wi-Fi, and AI assistant software and hardware solutions.

- ▶ NEDO (New Energy Development Organization) , Tier 1  
| DENSO Corporation , Tier 1
- ▶ TOYOTA · SUZUKI



DMS (Driver  
Monitoring System)

## Camera integrated with millimeter-wave technology

High-Precision Monitoring of Driver and Passenger  
Detection of positions and physiological states, including heart rate, blood pressure, fatigue, mood, etc. (Accuracy for heart rate and breathing:  $\pm 3\%$ )

- ▶ YAZAKI Corporation, Tier 1
- ▶ TOYOTA · HONDA ; Design and Development for Production Delivered to automakers like Changan Automobile (Chongqing), Dongfeng Nissan, GAC Honda, Seres, and Changan Automobile (Thailand). Estimated annual production of 40,000 units per model.

# Smart Healthcare and Industrial Applications > Edge Devices for Medical and Care Scenarios



AI medical monitoring and caregiving companionship

Industrial quality inspection and robotics

## Camera and Millimeter-Wave Technology Integration

Detection of patient or elderly status and physiological states, such as waking, falls, heart rate, blood pressure, and mood. Includes LLM-based AI for companionship and interaction.

## Industrial Robots with Qualcomm and Nvidia Technologies

Qualcomm Edge Devices Combines LLM, cameras, and millimeter-wave for high-efficiency, low-power, and cost-effective solutions.

Nvidia Platforms Incorporates 3D simulation and generative AI for applications in smart factories and other industrial scenarios.

### Partners

- ▶ Collaborations with Biosilver, Tzu Chi Hospital, and other medical and eldercare institutions in Taiwan and Japan.

### Partners

- ▶ Japanese Government : Crop yield recognition. | Rui Feng Security : Intelligent logistics and transportation robots.
- ▶ Taiwan AI Industry : Automated seedling robots. | LEBEN-BNB : Industrial automation recognition systems.

# Qinten AI Robots – Three Core Technologies

## Motion Control Capability

Mechanical transmission systems and communication control.

## Environmental Awareness Capability

Sensors for image, voice, radar, pressure, light, GPS, and 6-axis detection.

## Human-Machine Interaction Capability

Data processing and computational capabilities.  
AI algorithms and software platforms.

### Industrial Robots



### Service Robots

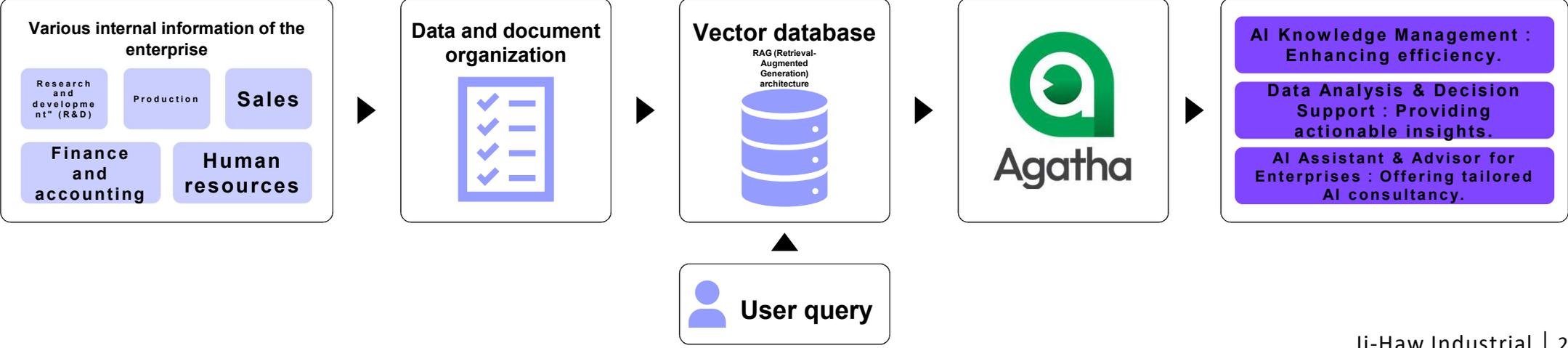


# Agatha : The Enterprise Second Brain, Tripling Per Capita Productivity

**AI System Implementation**  
Assists in integrating AI systems into enterprises.

**Internal Information Structuring for AI Training**  
Converts internal data into training sets for AI models.

**Enterprise AI Knowledge Base**  
Builds a comprehensive AI-driven knowledge management system.



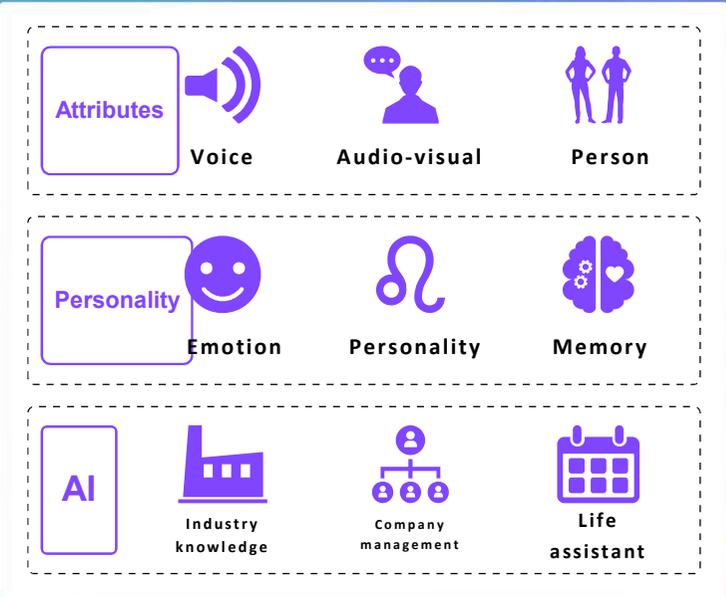


## Edge AI Framework

### AI Device



### AI Software Interface



## Heph. A.I Studios





AI server infrastructure and hardware products



Automotive AI systems and robotics



Agatha : The Second Brain for Enterprises



TUAN Digital Human Application Platform

AI Robots and AI Digital Humans :

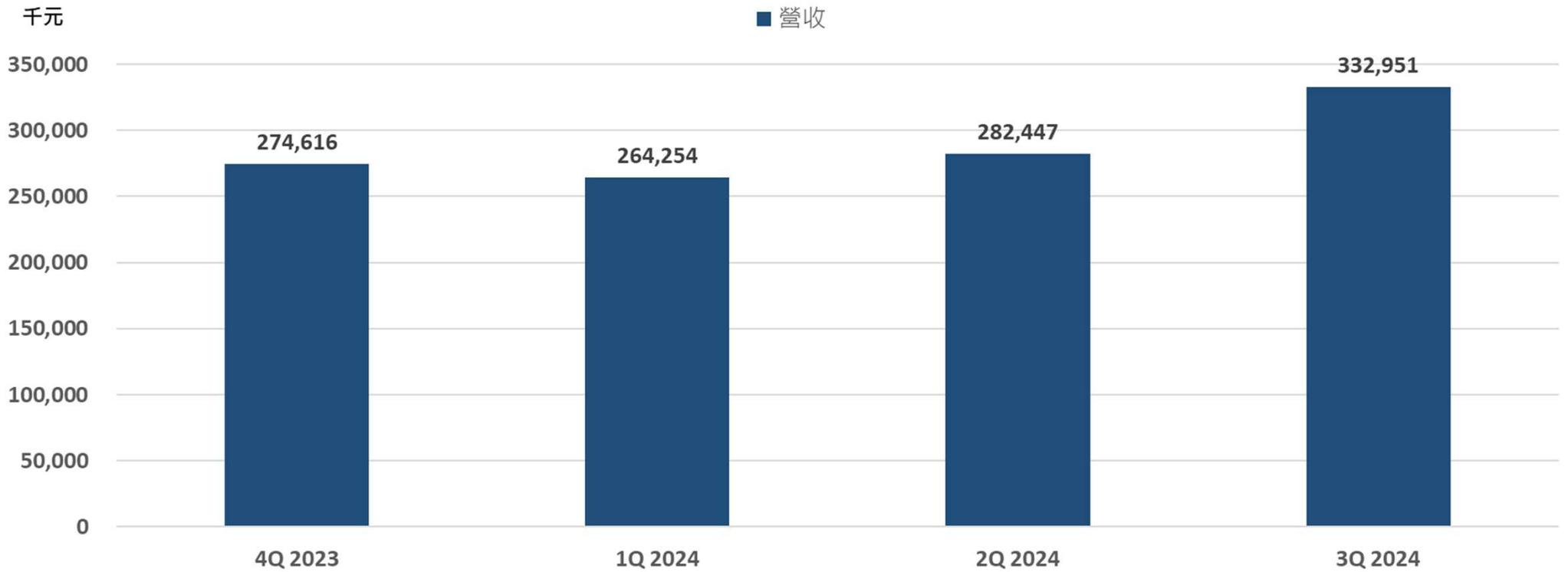
Integration into Daily Life

Connecting AI, Generating the Future

# Part 3

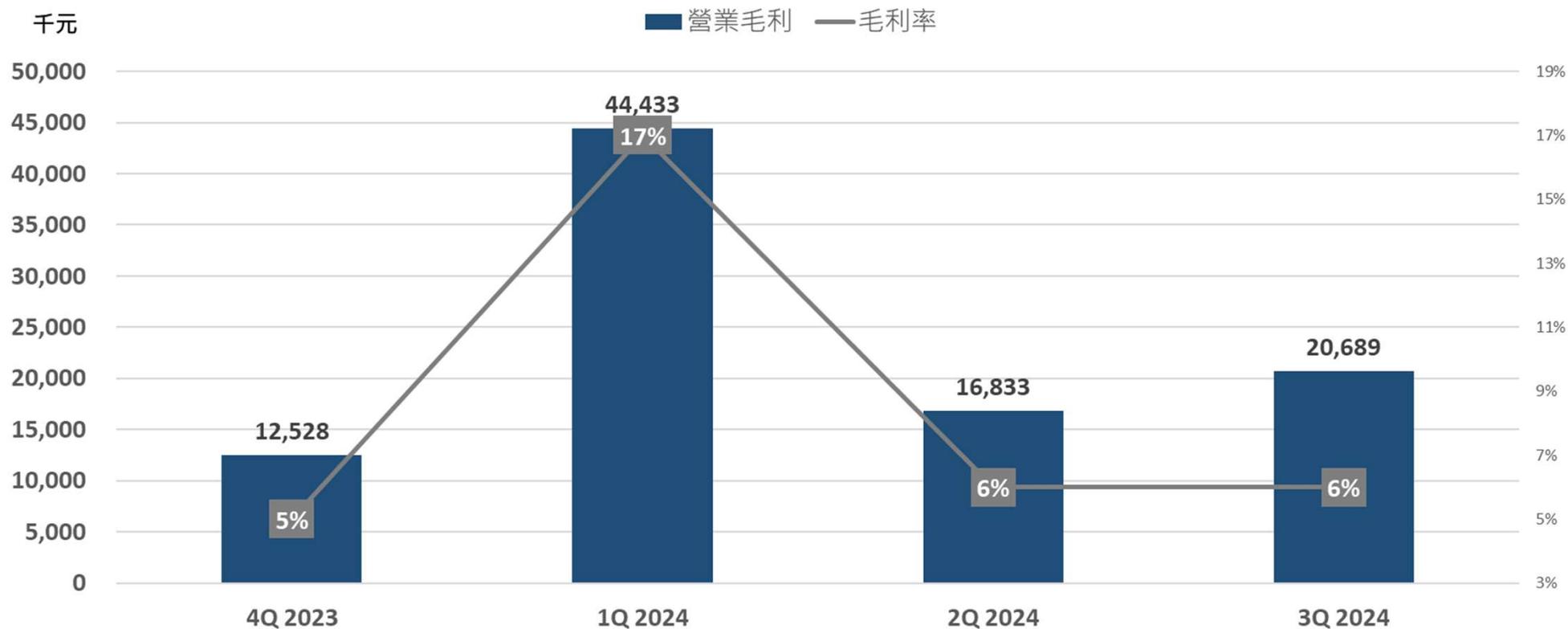
## Financial Overview of JI-HAW

# Annual Operations Report | Operating Revenue (23Q4 - 24Q3)





# Annual Operations Report | Gross Profit/Rate (23Q4 - 24Q3)



## Land Development in New Taipei City, Xindian District, Baoxing Section, Lot No. 253 Urban Renewal Project Timeline

- 112.12.25 Submission of the Urban Renewal Plan.
- 113.05.07~21 Public exhibition and public hearings.
- 113.06.24 First project review meeting.
- 113.07.26 Urban renewal and dispute resolution committee decision.
- 113.10.01 Adjustment of the urban renewal unit boundary.
- 113.12.13 Second project review meeting.

|   |   |
|---|---|
| <b>Zoning</b>   | Type B Industrial Zone                                    |
| <b>Site Area</b>  | 3,182.72 m <sup>2</sup> (approx. 962.77 pings)            |
| <b>Permissible Floor Area</b><br>(Including incentive and transferred floor area) | 11,375.66 m <sup>2</sup> (approx. 3,441.14 pings)         |
| <b>Total Floor Area</b>   | 21,202.77 m <sup>2</sup> (approx. 6,413.84 pings)         |
| <b>Building Specifications / Structure / Floors</b>                               | 13 above ground, 3 underground / RC (Reinforced Concrete) |



# Questions & Answers



Thanks for your Listening and Guidance

December 30, 2024