SOLOMON

Taiwan AI Forum 2024

Solomon Technology Corporation(2359)

SOLOMON Technology Corporation

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Disclaimer

The following presentation and its associated contents contain forward-looking statements regarding operational strategy, financial results and business forecasts, which are based on internal information of the Company and observations of the overall external environment.

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About SOLOMON

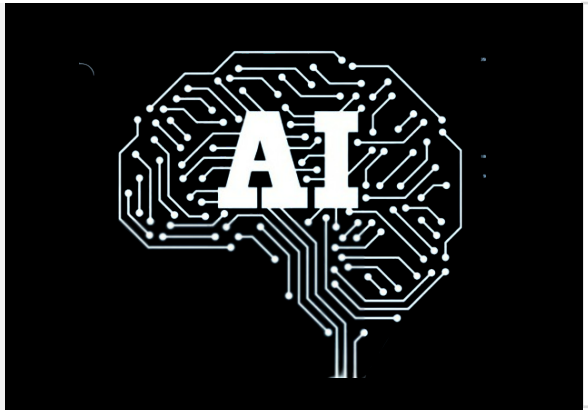
Founded
in 1973

1000+ employees
100 software engineers

HQ
Taipei ,Taiwan

Public listed in Taiwan
in 1996

Power generation



AI(In-house design)
Robotics(Distribution)

Automation

LCD manufacturing

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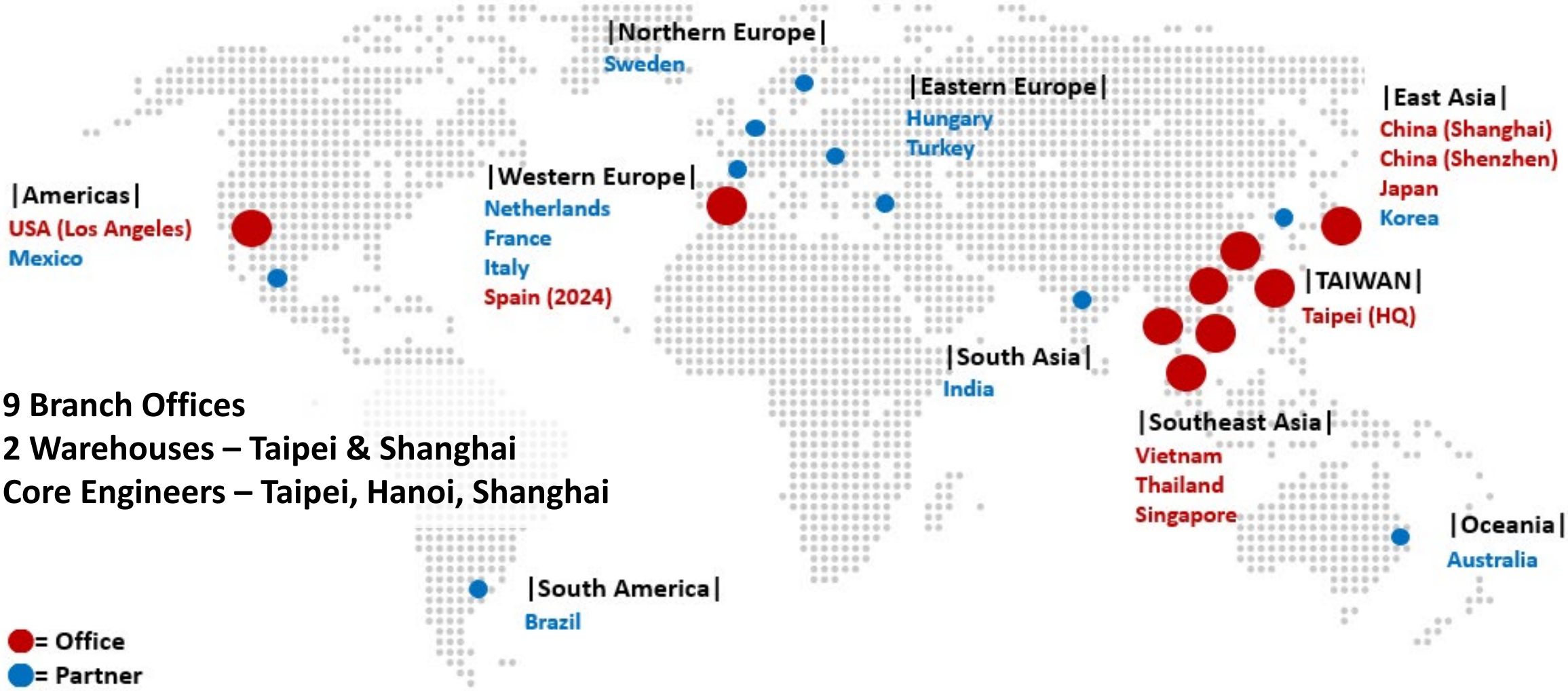
Geographic Presence



- 9 Branch Offices
- 2 Warehouses – Taipei & Shanghai
- Core Engineers – Taipei, Hanoi, Shanghai

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Timeline of Vision Business

Power Gen

1973

Industrial Controls

2010

Robots/ Cobots

2013

3D Vision

2015

Analytical AI

2018

Gen AI

2022

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Accolades

Vision Systems DESIGN 2019 Innovators Awards GOLD

AccuPick

reddot winner 2020
best of the best interface design

TAIWAN EXCELLENCE 2019

TAIWAN EXCELLENCE 2020

TAIWAN EXCELLENCE 2021
Everyday Excellence

TAIWAN EXCELLENCE 2023
Everyday Excellence

2019	2020	2021	2023
AccuPick&3D Scanner	Solvision	JustPick	META-aivi

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Customize & Deploy AI Rapidly with Ease

Hardware Integrations

- PLCs
- Robots
- Cameras
- AMR
- Drones

Software Optimization

- AI
- Gen AI
- AOI
- Others

SOLOMON AI

No-Code
Vision Application
Development Platform

Material Handling

VGR

- Bin Picking
- Depalletization
- Kitting
- Packing
- Welding
- Polishing
- Grinding
- Assembly
- Inspection

Inspection

AR+AI

- Defect Identification
- Classification
- OCR
- Pattern Recognition
- Measurement (+AOI)
- Surveillance
- Counting
- SOP Validation
- Time Study
- Classification

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Vision products

Intelligent Automation Solutions | Augmented Intelligence Solutions

Industrial 3D Camera | Deep Learning Software | AR-Powered AI Platform

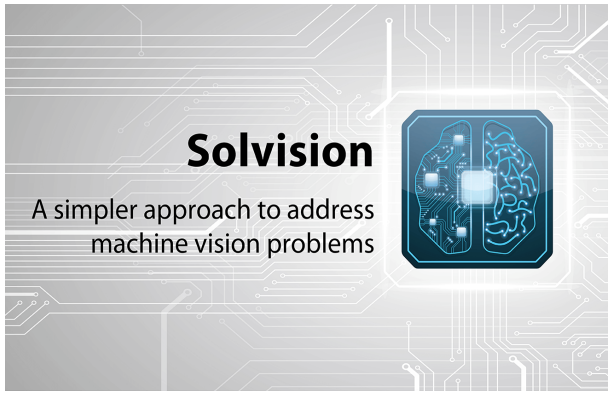
AccuPick

RANDOM BIN PICKING

SolMotion

VISION GUIDED ROBOT

SolVision



DEEP LEARNING FOR INSPECTION

META-aivi

AR+AI SOLUTIONS

SOLOMON

Vision products

Intelligent Automation Solutions | Augmented Intelligence Solutions

Industrial 3D Camera | Deep Learning Software | AR-Powered AI Platform

AccuPick

RANDOM BIN PICKING

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VISION GUIDED ROBOT

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DEEP LEARNING FOR INSPECTION

META-aivi

AR+AI SOLUTIONS

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Robot · Cobot

Kawasaki · UNIVERSAL ROBOTS · YASKAWA · OMRON
EPSON · MITSUBISHI · KUKA · ABB · FANUC
DENSO · NACHI · TOSHIBA MACHINE · OTC
YAMAHA · HIWIN · STÄUBLI · TM · DOOSAN
mecademic · AUBO · DOBOT · ELITE ROBOT

3D Camera Technologies

Structured Light

Active Stereo Vision

Time-of-Flight (ToF)

Laser

SOLOMON AI 3D Vision

PLC

Rockwell Automation
MITSUBISHI
SIEMENS
OMRON

SOLOMON

AccuPick

3 PL Application

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AccuPick

Picking of Semi-Transparent Objects

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AccuPick

Random Bin Picking of 500 SKUs

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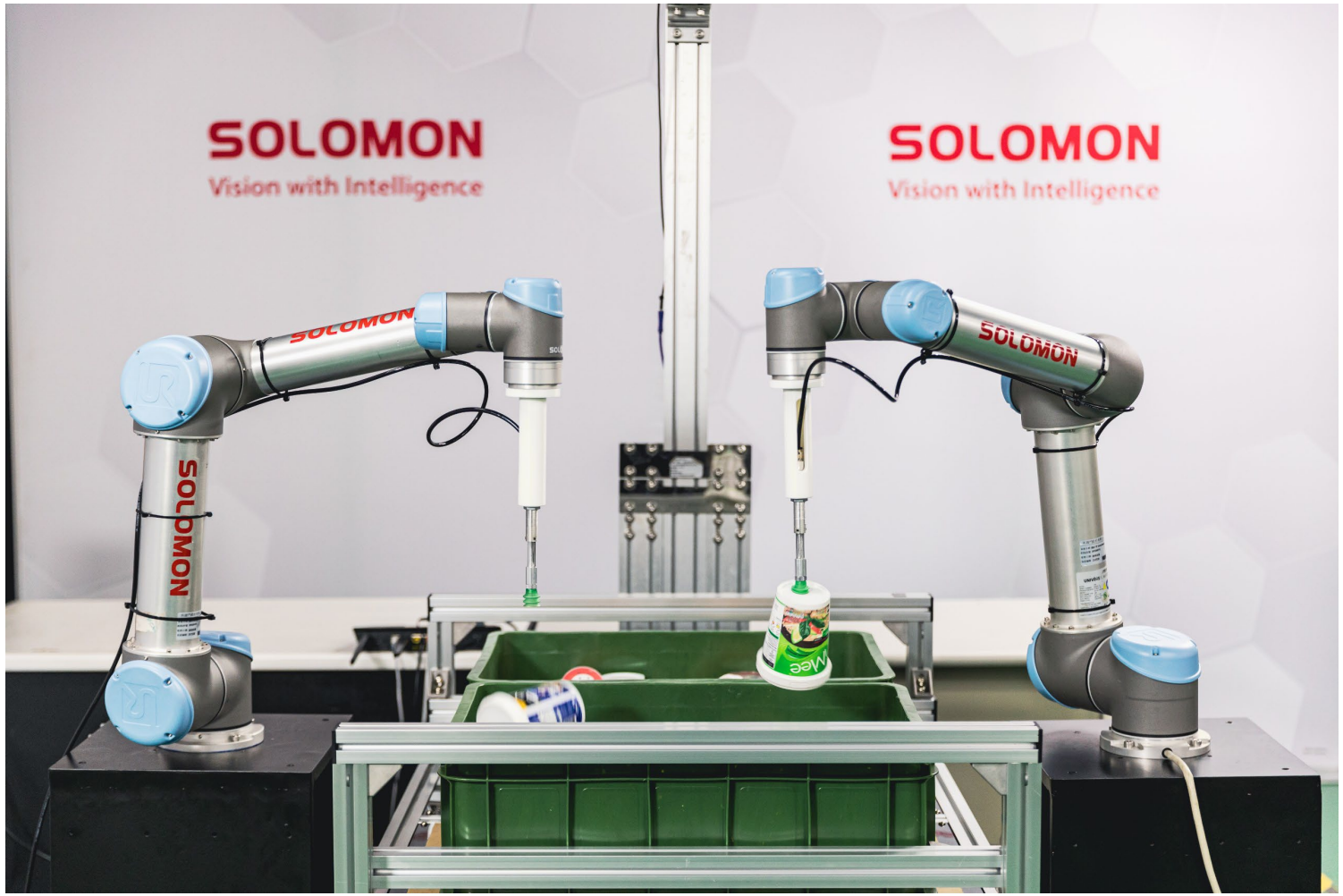
AccuPick

Dual-Arm Robot Piece Picking



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Vision products

Intelligent Automation Solutions | Augmented Intelligence Solutions

Industrial 3D Camera | Deep Learning Software | AR-Powered AI Platform

AccuPick

RANDOM BIN PICKING

SolMotion

VISION GUIDED ROBOT

SolVision

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AR+AI SOLUTIONS

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Solmotion

Car Body Glue Dispensing

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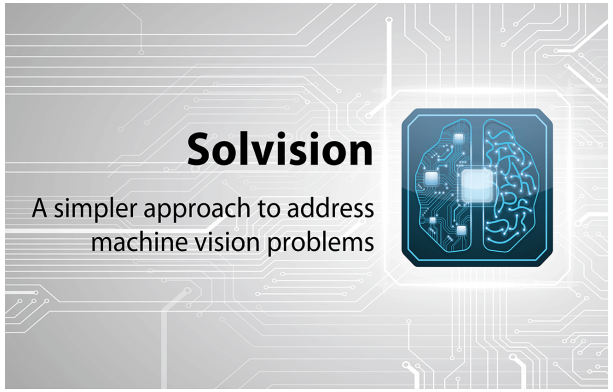

DEEP LEARNING FOR INSPECTION

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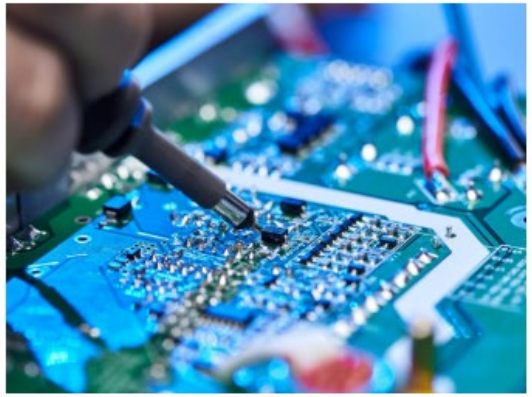
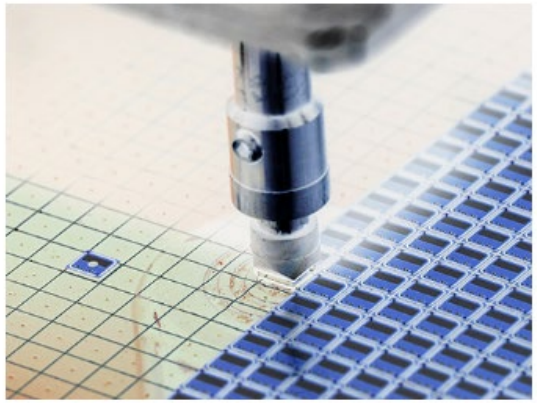
Pharmaceuticals and Medical

Food and Beverage



Electronics



Semiconductors

Textiles and Footwear

Metal & Machinery

Luxury Goods

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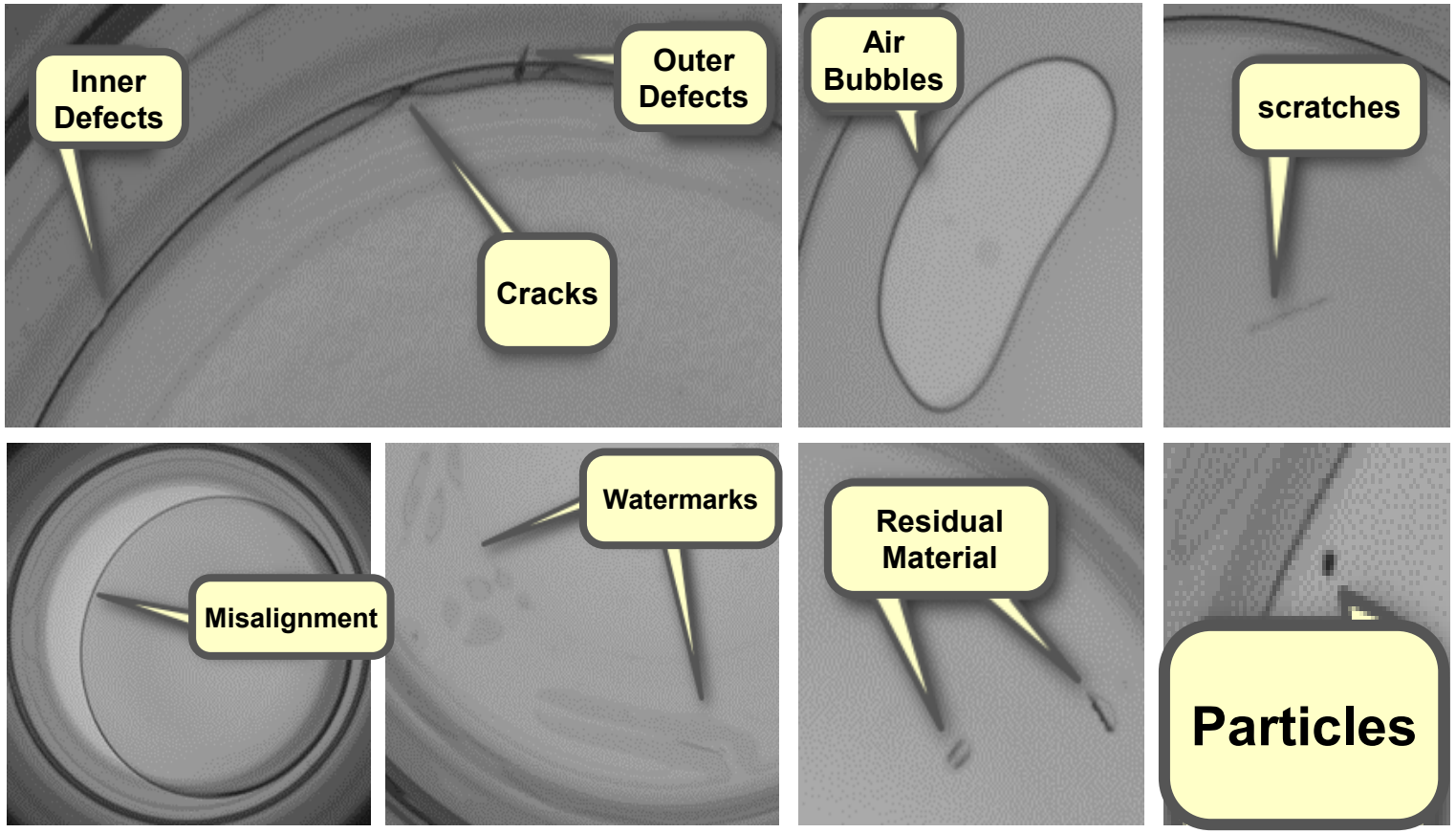
Contact Lens Defect Inspection

- **Types of Contact Lens Defects**
  - Inner and outer defects, air bubbles, cracks, scratches, misalignment, watermarks, residual material, particles
- **Benefits of the SOLOMON Solution**
  - Expands the range of defect detection, overcoming traditional inspection challenges.
  - Improves screening yield by 5-6%, saving product recall costs and enhancing brand reputation.
  - Traditionally, 70% of manpower is dedicated to inspection on production lines; our solution helps clients reduce labor costs.



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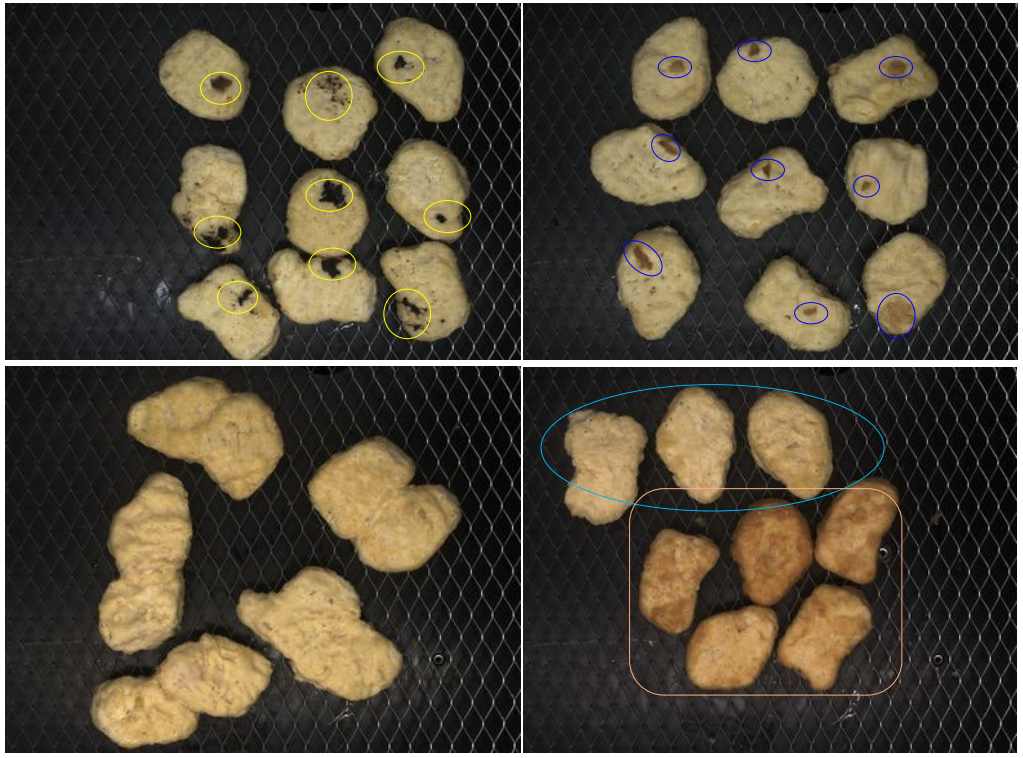
Chicken Nugget Defect Inspection

- Simultaneously distinguishes defects in different orientations and types (black or brown oil residues, overlapping connections, dark surfaces).
- Combines AOI (Automated Optical Inspection) for precise positioning and uses robotic arms for sorting and removal.



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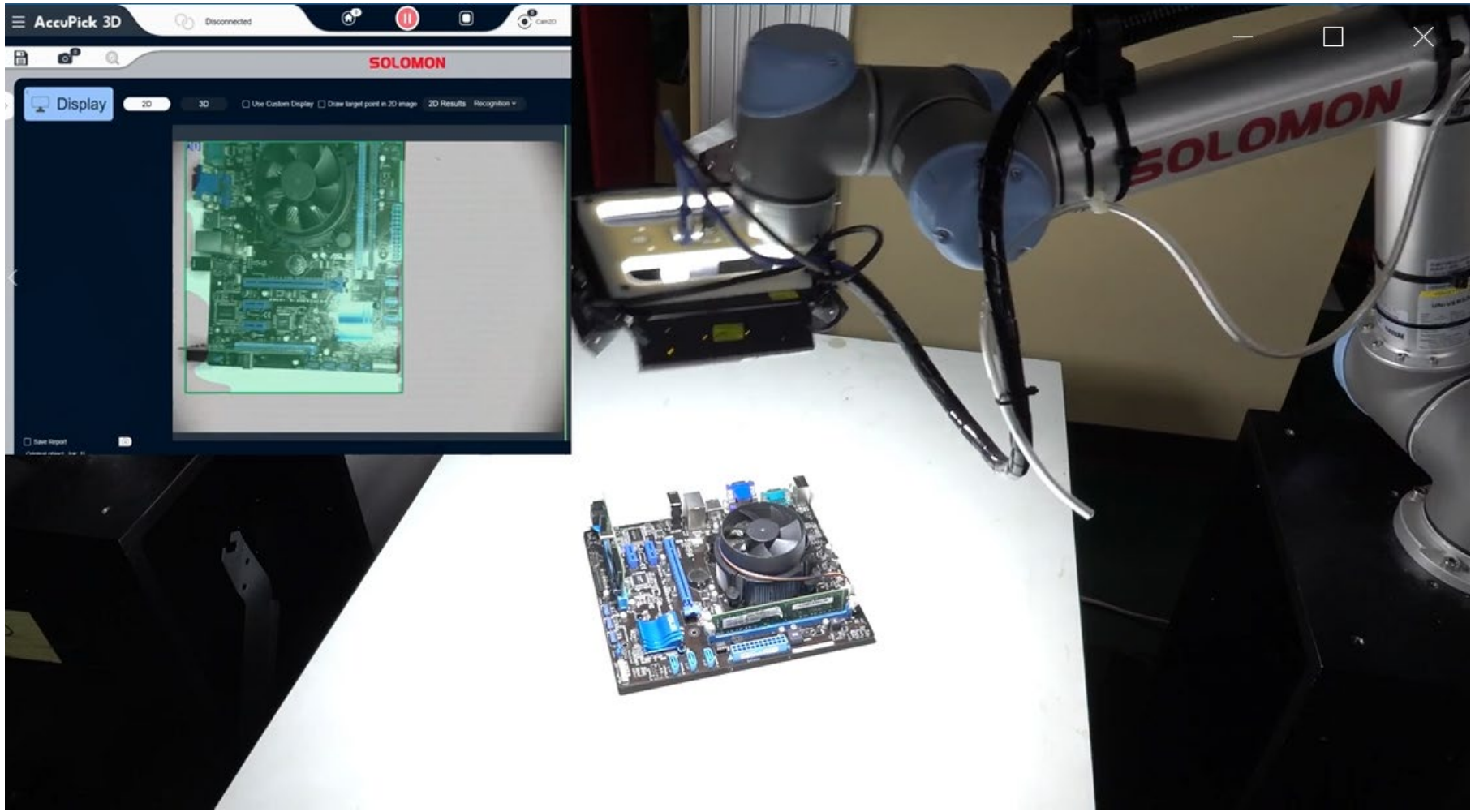
Server Board Inspection



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DEEP LEARNING FOR INSPECTION

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AR+AI SOLUTIONS

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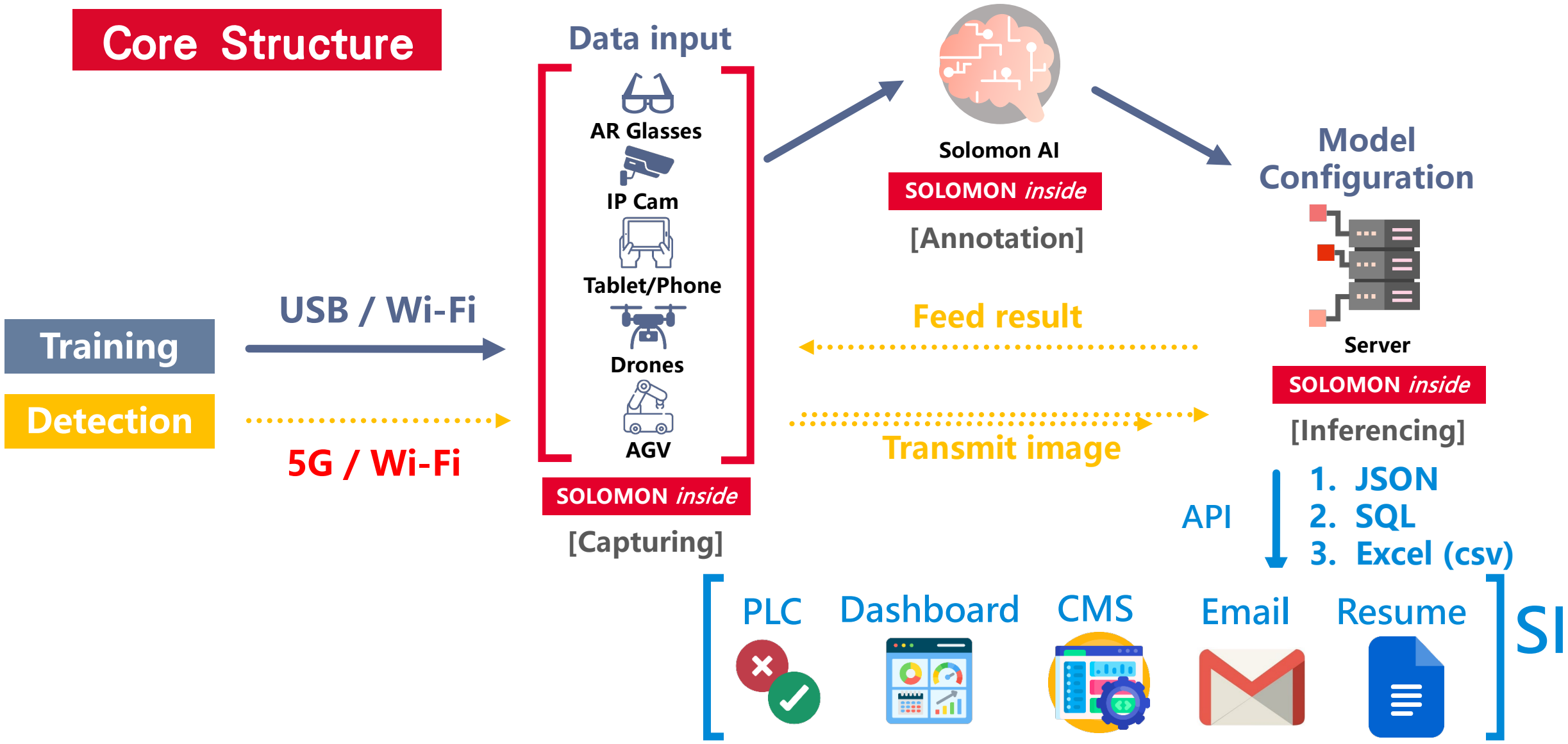
Core Structure



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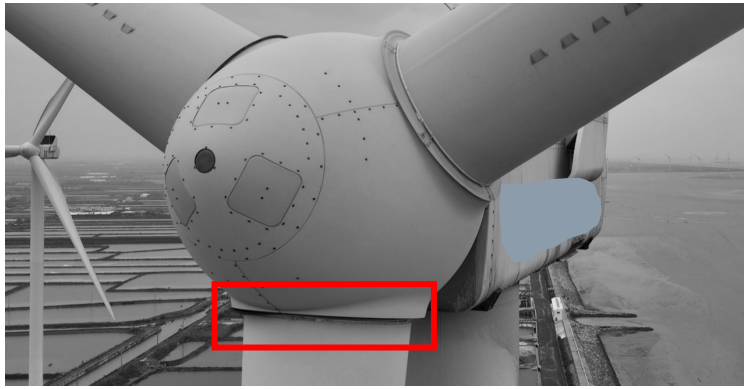
Energy Industry

Wind turbine blade component detachment detection

Inspection



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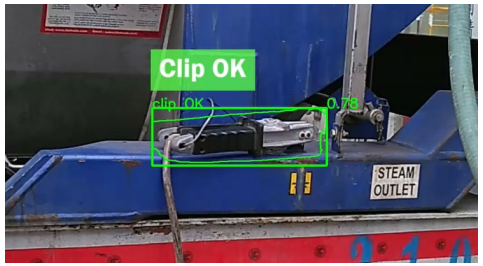
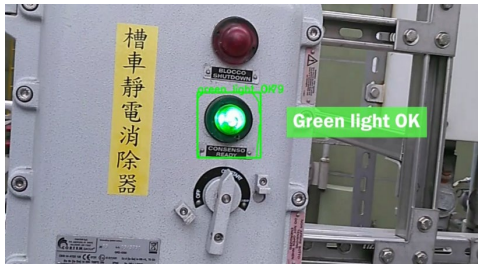
Petrochemistry Chemical Tank Injection SOP Validation

Inspection

1. Verify if **sleepers** are in correct place



2. Confirm the **ground wire** position



3. Confirm the grounding box has **green light on**

Solomon AI employs a **multi-stage safety validation process** across various sections of the factory, in line with the current trend of digital checklists that integrates an electronic internal system.

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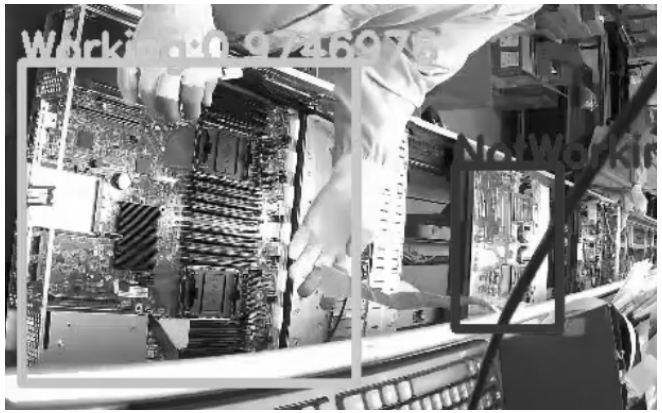
Electronics Manufacturing Industry

Assembly Station Time Monitoring

Inspection



SOLOMON AI **monitors the work time** at each assembly station to ensure work efficiency and track product status, while also retaining assembly records.

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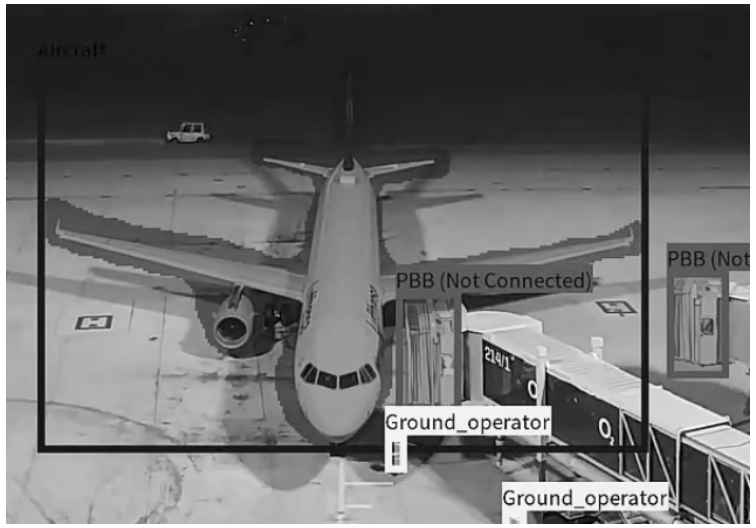
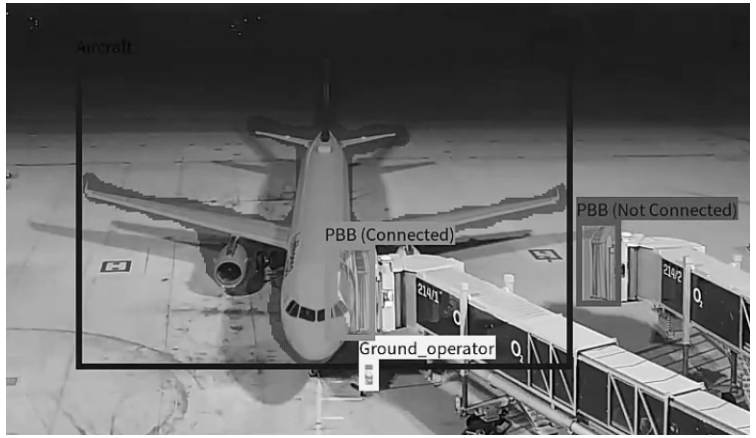
Airport Apron Management

Inspection





Solomon **AI tracks the duration of operations** such as landing, baggage handling, refueling, air bridge connection, catering replenishment, and others, providing management with data for work efficiency analysis.

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Pet Grooming

Translates to "recognizing the body size and coat length of dogs.

Inspection

THANK YOU