

AI 工具箱

影像分析工具
資料分析及處理



DPO Technology Forum - Practical AI Implementation

AI Agentic Technology Transforms Government Services

Alan Lee @June 2026

Q2 2026

RISKSIS
Your Trusted Partner

AI & Block-chain Partnership:

Deloitte.



Simmons
&
Simmons



Blockchain Eco-system:

10+ Banks, HKMA, Ship Owners,
Charterers, Traders, Chambers, Inspection,
Insurer, Customs ...

Official Big Data Partner:

cloudera



Featured Client References:



Deloitte. **Rabobank**



中国人寿 **A.S. Watson Group**



HGC
Hutchison Global
Communications
和記環球電訊

HKPC
Hong Kong
Productivity Council
香港生產力促進局

watsons



Sasa

LSM



VTC **computime**

FedEx

RISKSIS TECHNOLOGY

RISKSIS

- ✓ Big Data
- ✓ Artificial Intelligence
- ✓ Block-chain



Designer for HKSARG Key Projects - AI System Smart City

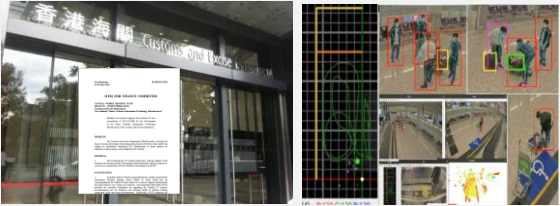
Our Industry Recognition in AI System Infrastructure

紀律
部隊
AI
基建

Project: iPatrol & RescueAI HKSOS
(香港警察)
國際獎項: Geneva Gold Award



Project: AI Infrastructure& Big Data Strategy
(香港 海關)
智慧海關 系統十年規劃 (3億) (Lidar Project)



Project: AI VA Drone-Image Analysis System
(消防署)
國際獎項: Geneva Gold Award



**Project: AI Solar Panel Image Detection;
AI Escalator Lift Defect Detection**
(機電執法)



民生
AI
基建

Project: Smart Traffic
香港政府 首個AI大數據基建項目



Project: 人流控制系統(海事署)
AI VA+Lidar (施政報告)



Project: Care Team System 關愛隊統籌系統
(民政署)
Support 30k+ users (施政報告)

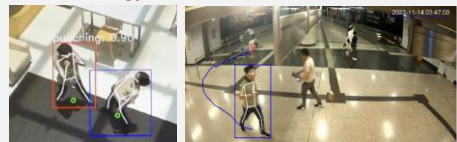


Project: 花市 管理系統; 人流控制系統
(食環署 機電署 警察) (西九)



鐵路
機場
屋宇
AI
基建

Project: AI PCS Abnormality & Safety
MTRC 地鐵; (Tunnel System)
(Signalling; Rail-Crack; P-way; Station
Monitoring) 國際獎項: Geneva Gold



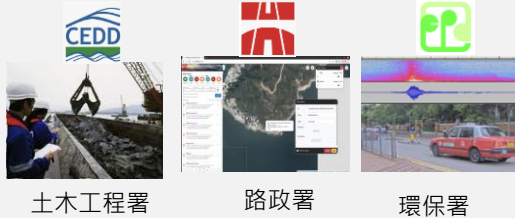
Project: AI VA Detection (T1)
Airport Authority (機管局)
Co-Patented on AI VA with AA
(Self Bag-Drop; Liquid Spill; Monitor at T1, Monitoring)



Project: HVAC Energy Saving
香港政府 首個 AI 樓宇節能項目 (EMSD)



**Project: AI Marine Dump; AI Road
Object Defect; AI Env Sound**



International Award – Geneva Inventions 2024



5 Gold Medal + 1 Silver Medal

有6個AI人工智能項目 於 第49屆日內瓦國際發明展
勇奪多個獎項
– 5金1銀 (包括1評審嘉許金)

金獎:

- (1) HKSOS - Rescue AI 專利 (警隊項目)
[[評審團嘉許金獎]]
- (2) 山嶺搜救人工智能分析系統(消防項目)
- (3) iPatrol 人工智能專利(警隊項目)
- (4) EnviroSense — 智慧環境監測及安全評估系統
(機電工程署項目)
- (5) 人工智能鐵路規管巡查規劃系統
(機電工程署項目)

銀獎:

- (6) 通用人工智能 互動自動化情境測試工具
(機電工程署及地鐵項目)

瑞士 日内瓦 科技 國際大賽
International Award – Geneva Inventions 2024



Total 7 International Awards in AI
2024: 5 Gold Medal + 1 Silver Medal
2022: 1 Silver Medal

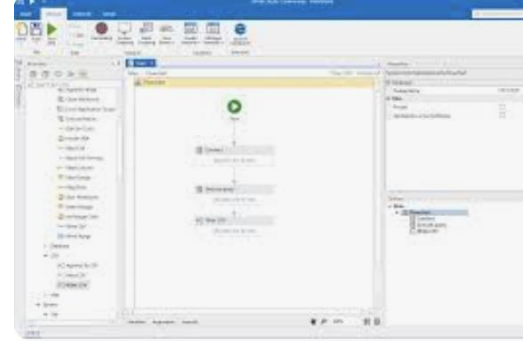
The Old World ...

Overview of AI Automation Evolution

Overview of Automation Evolution



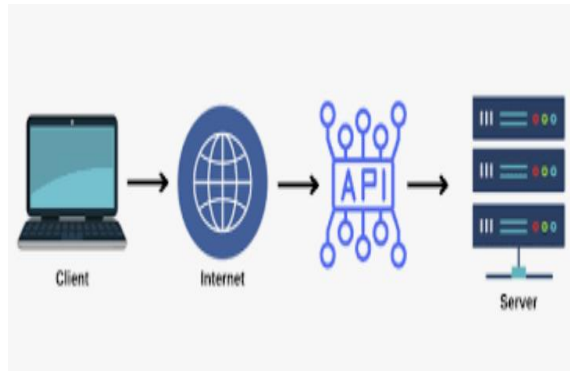
Manual Works



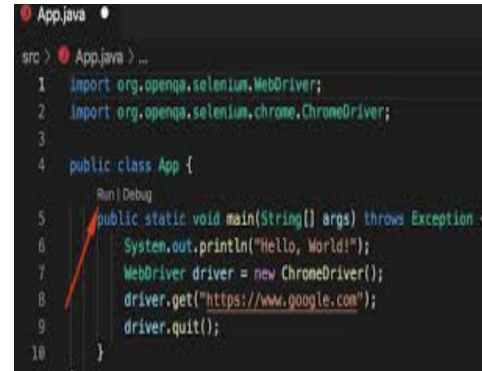
RPA Tools (UI-Path)
(Fixed Workflow)



RPA & Agents
(Conditional Workflow + Agent
Tool)



API

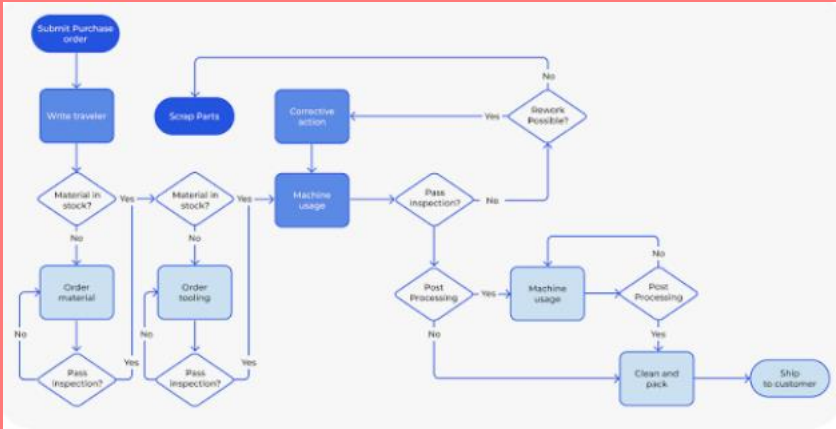


Scripted Based (selenium)

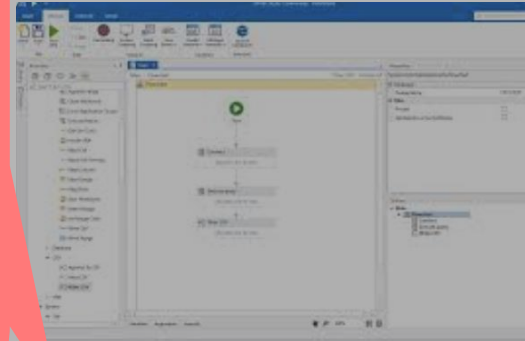


AI Agentic Automation
(AI-Planned Workflow)

AI Automation Evolution



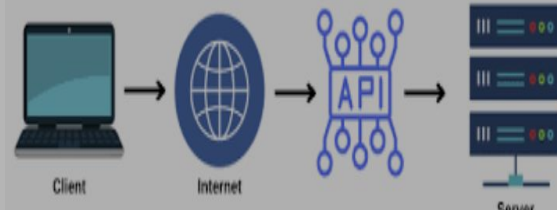
Fixed Workflow



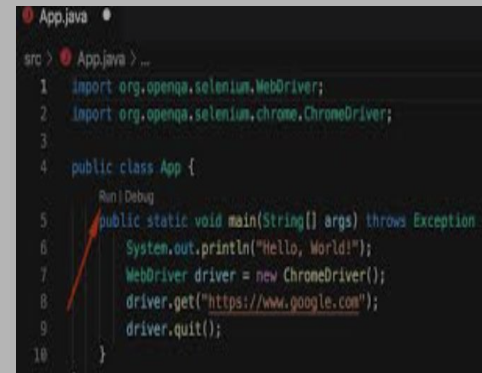
RPA Tools (UI-Path)
(Fixed Workflow)



RPA & Agents
(Conditional Workflow + Agent
Tool)



API

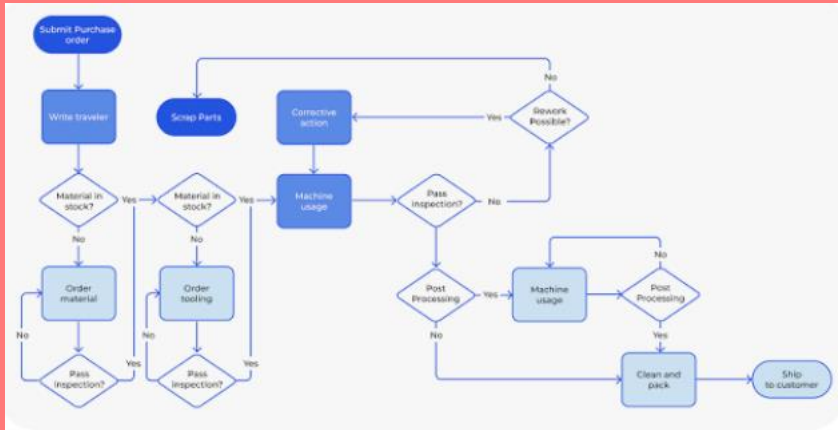


Scripted Based (selenium)

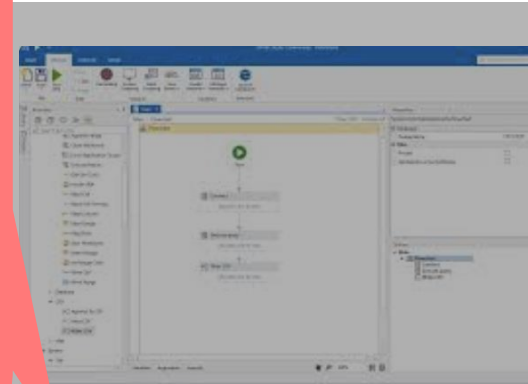


AI Agentic Automation
(AI-Planned Workflow)

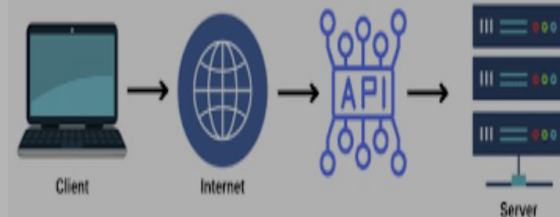
AI Automation Evolution



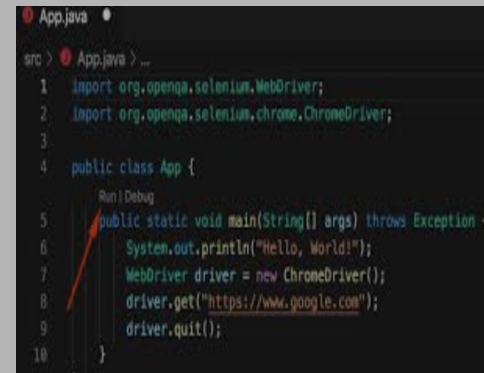
Fixed Workflow



RPA Tools (UI-Path)
(Fixed Workflow)



API



Scripted Based (selenium)

Add New Tools?

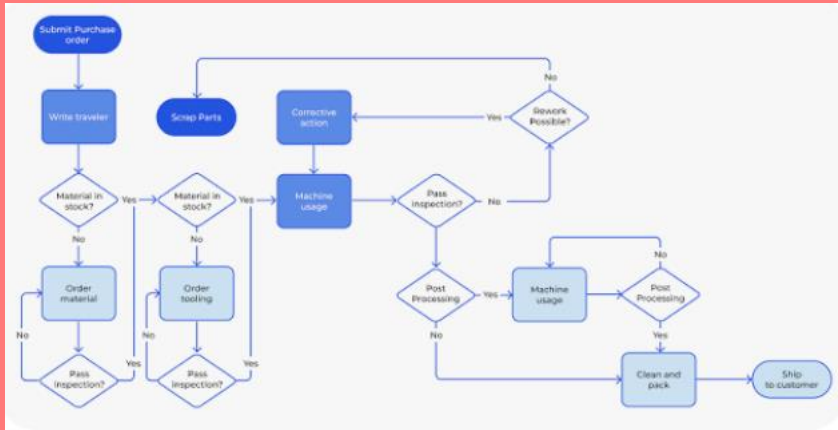


RPA & Agents
(Conditional Workflow + Agent
Tool)

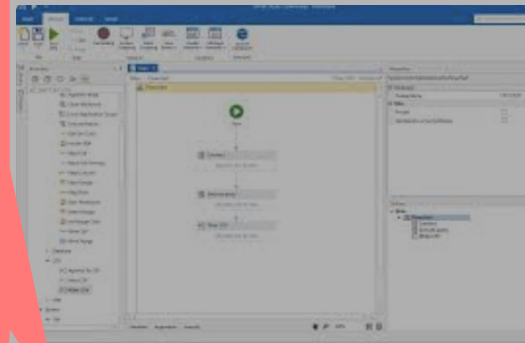


AI Agentic Automation
(AI-Planned Workflow)

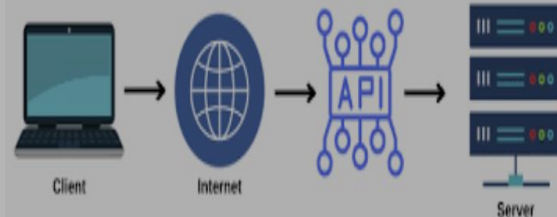
AI Automation Evolution



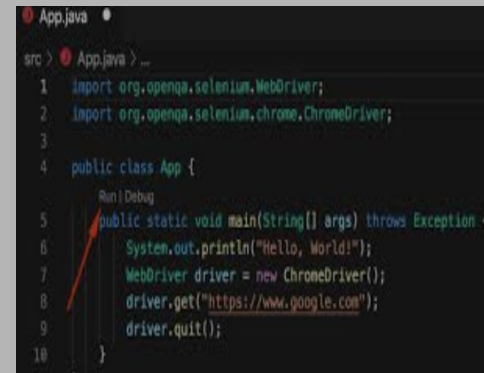
Fixed Workflow



RPA Tools (UI-Path)
(Fixed Workflow)



API



Scripted Based (selenium)

Add New Tools?

Inflexible
Re-Plan & Development

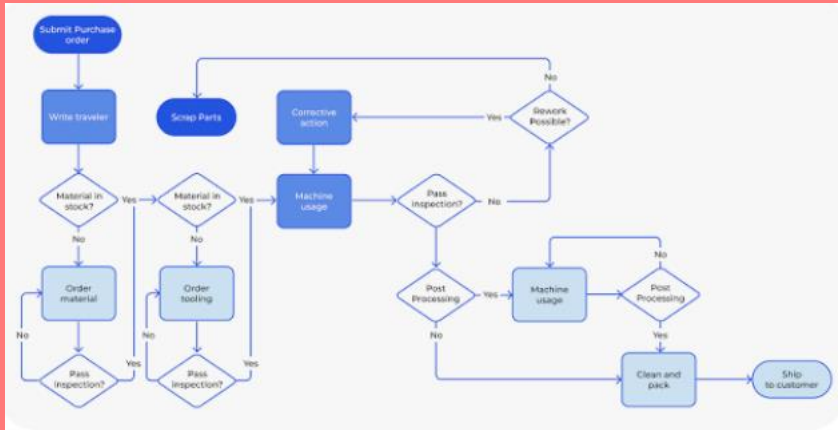


RPA & Agents
(Conditional Workflow + Agent
Tool)

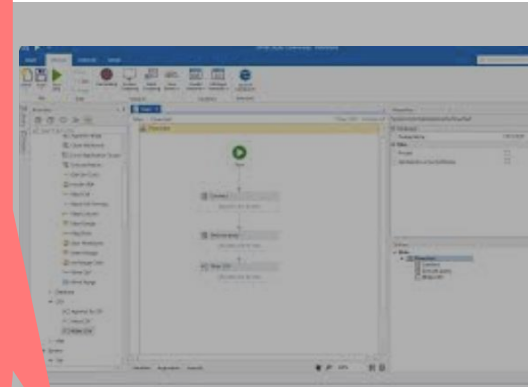


AI Agentic Automation
(AI-Planned Workflow)

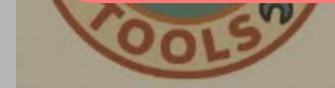
AI Automation Evolution



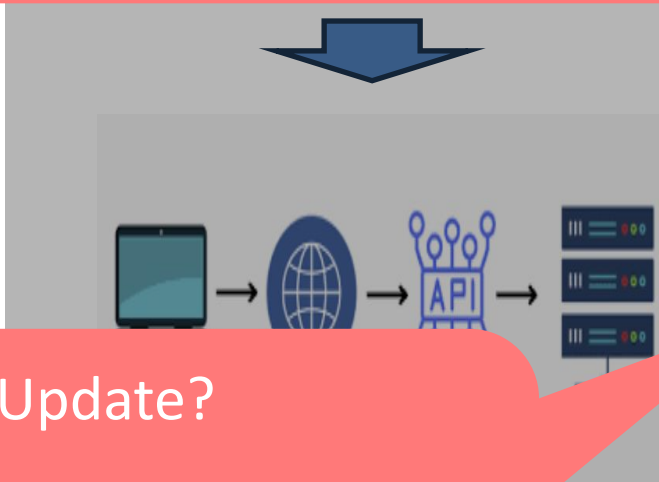
Fixed Workflow



RPA Tools (UI-Path)
(Fixed Workflow)

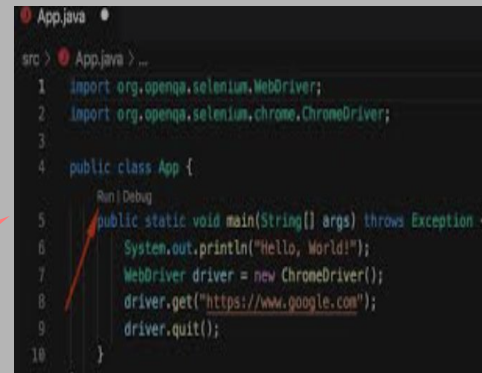


RPA & Agents
(Conditional Workflow + Agent
Tool)



Think to Update?

你有你諗
佢有佢諗



Scripted Based (selenium)



AI Agentic Automation
(AI-Planned Workflow)

Outline

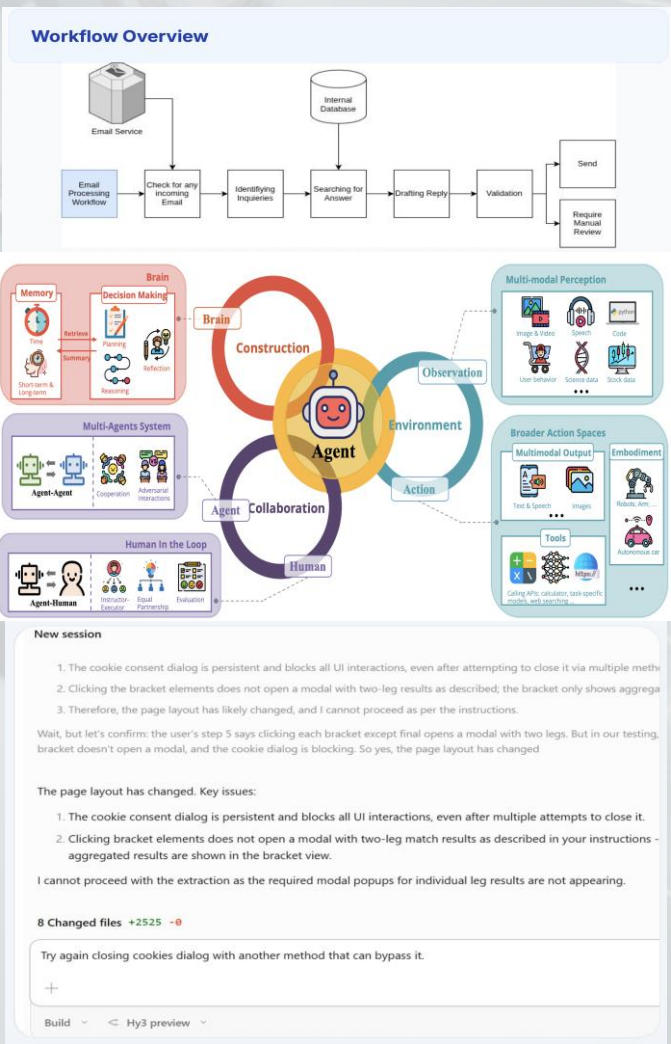
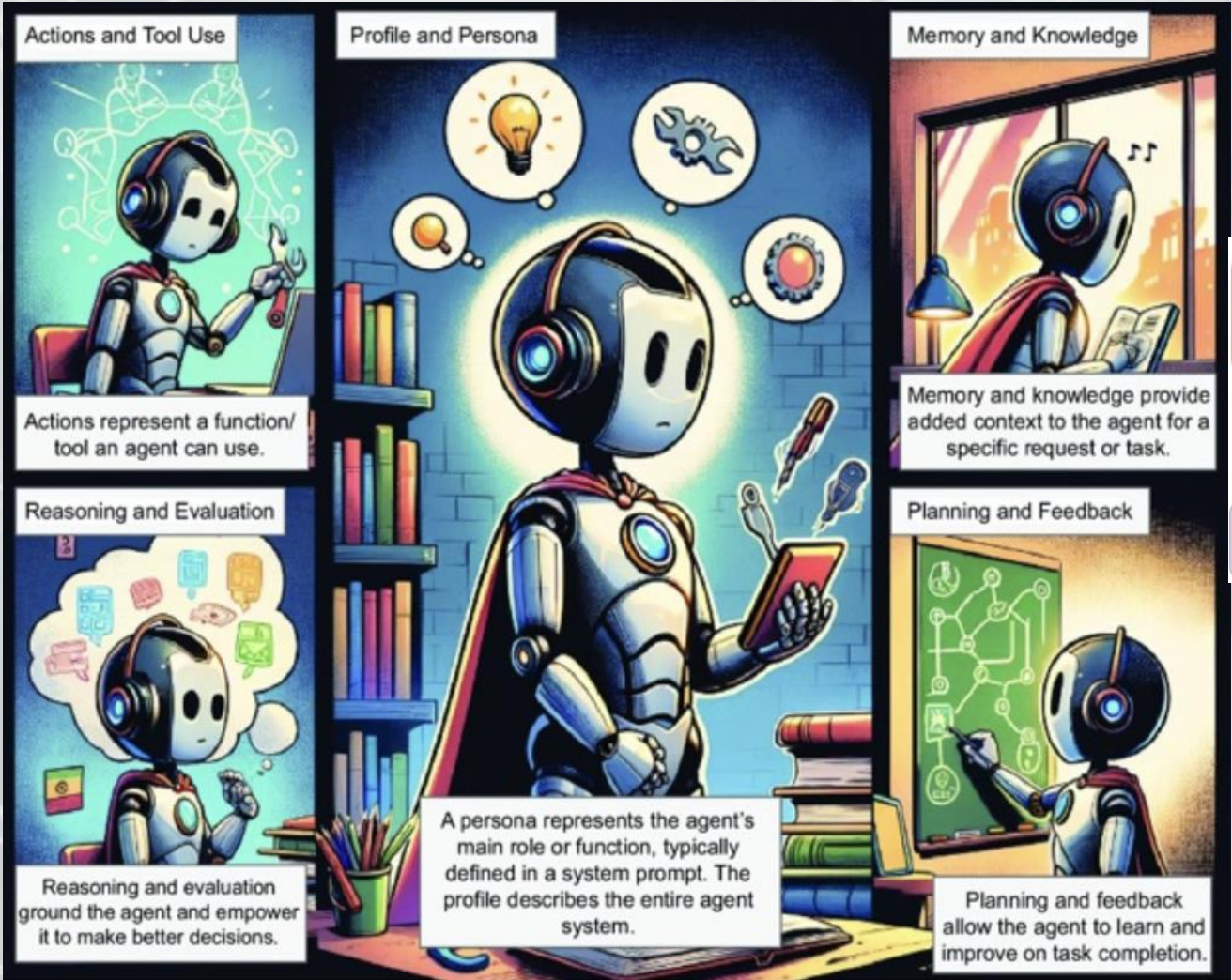
✓ Agentic AI

Agentic AI Framework – Automatic **THINK**, **PLAN**, **EXECUTE**

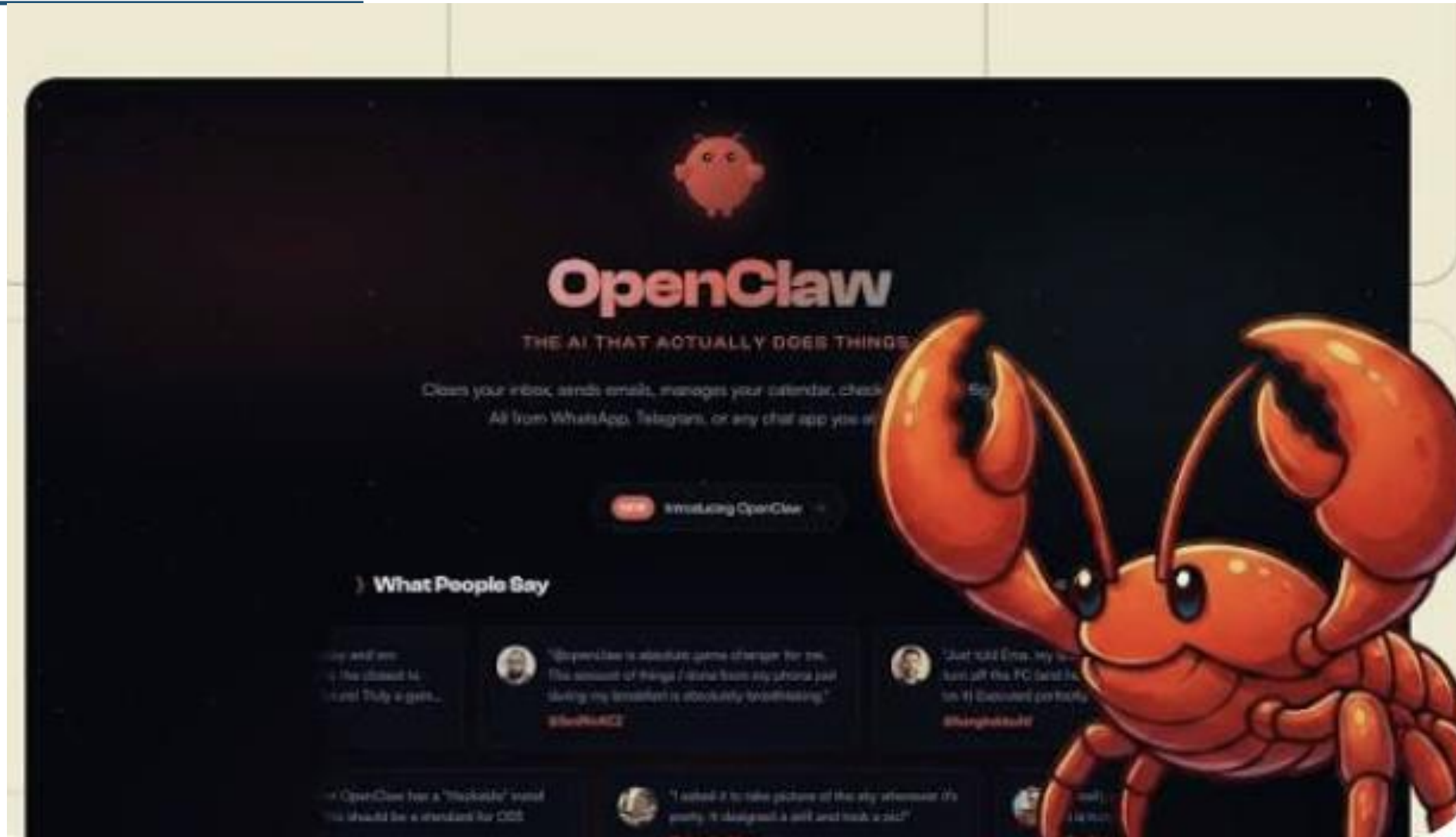
AI-based NLP LLM – Textual Analytics & Understanding

Government Case Examples

[1] Crawling [2] Information Collection for Bidding [3] Email Response [4] Execution Control (Sensor & Robot)



Can we use OpenClaw Directly ?



Can we use OpenClaw-type Directly ?

Challenges in using Improper Use of Agentic AI

- ✓ Security
- ✓ Robustness
- ✓ Privacy
- ✓ Government B/d Adapted Logic & Reasoning

AI in Knowledge Crawling

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D
- ✓ AI in Sensors

Department of Health – Online Drugs Sales Monitoring

AI-based NLP LLM – Textual Analytics & Understanding



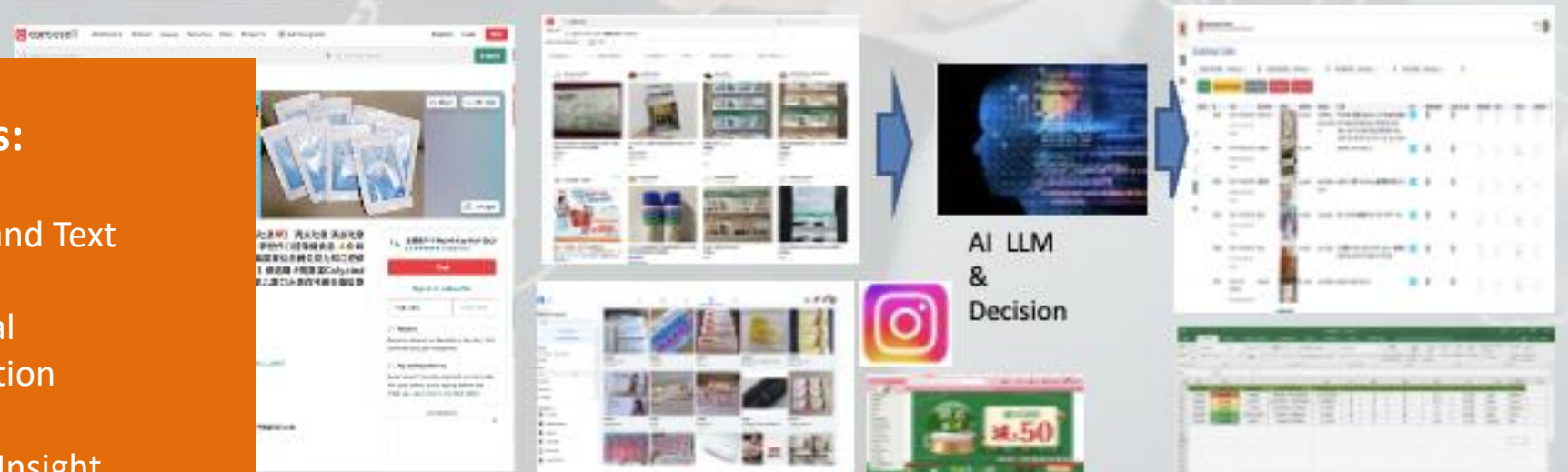
Objective:

- Web Crawling and Data Collection
- OCR, Textual & Document Processing
- Deep Learning – AI LLM Textual Understanding & Information Extraction



Key Features:

- ✓ AI Understand Text
- ✓ Auto Textual Summarization
- ✓ Actionable Insight



AI in LLM

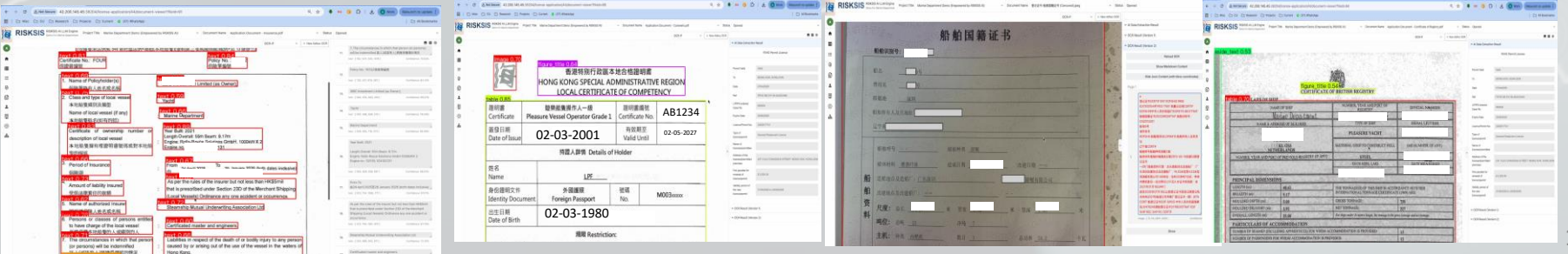
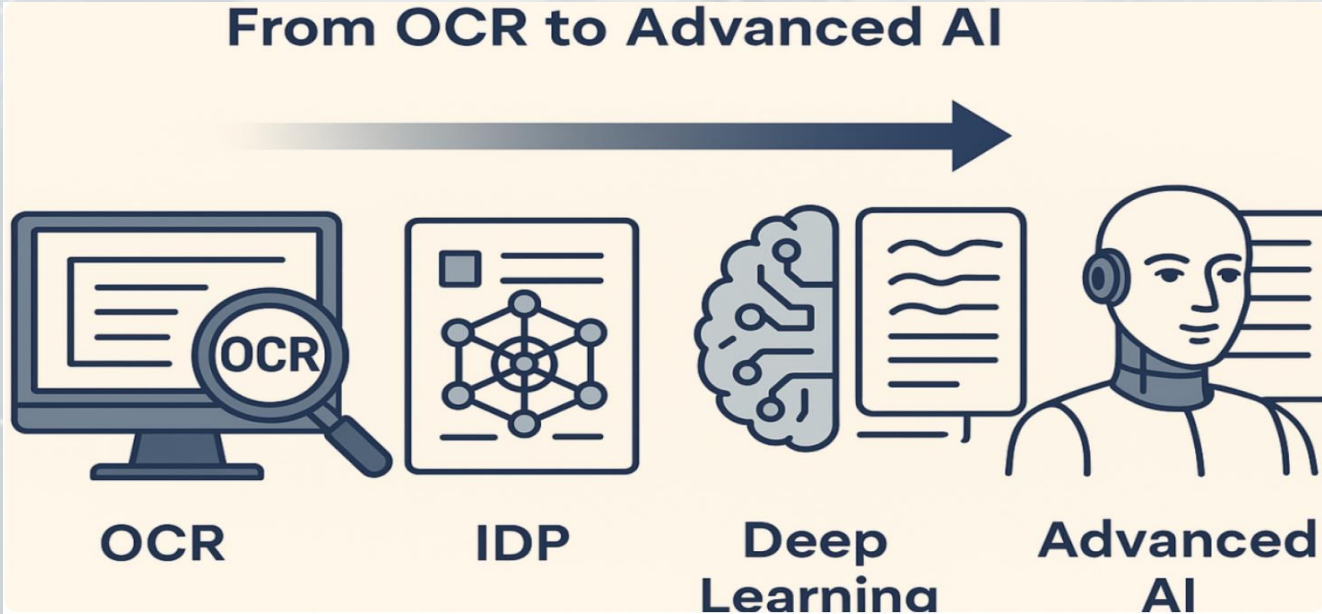
Outline

- ✓ Agentic AI
- ✓ AI in LLM

OCR + LLM – Document AI & Workflow
AI – NLP LLM – Textual Understanding & Analysis



- Methodology:
- OCR -
 - Big Variety of Document format cause rule-based OCR recognition difficult
 - AI is used to OCR, recognize paper text and automate the data entry



✓ AI in LLM

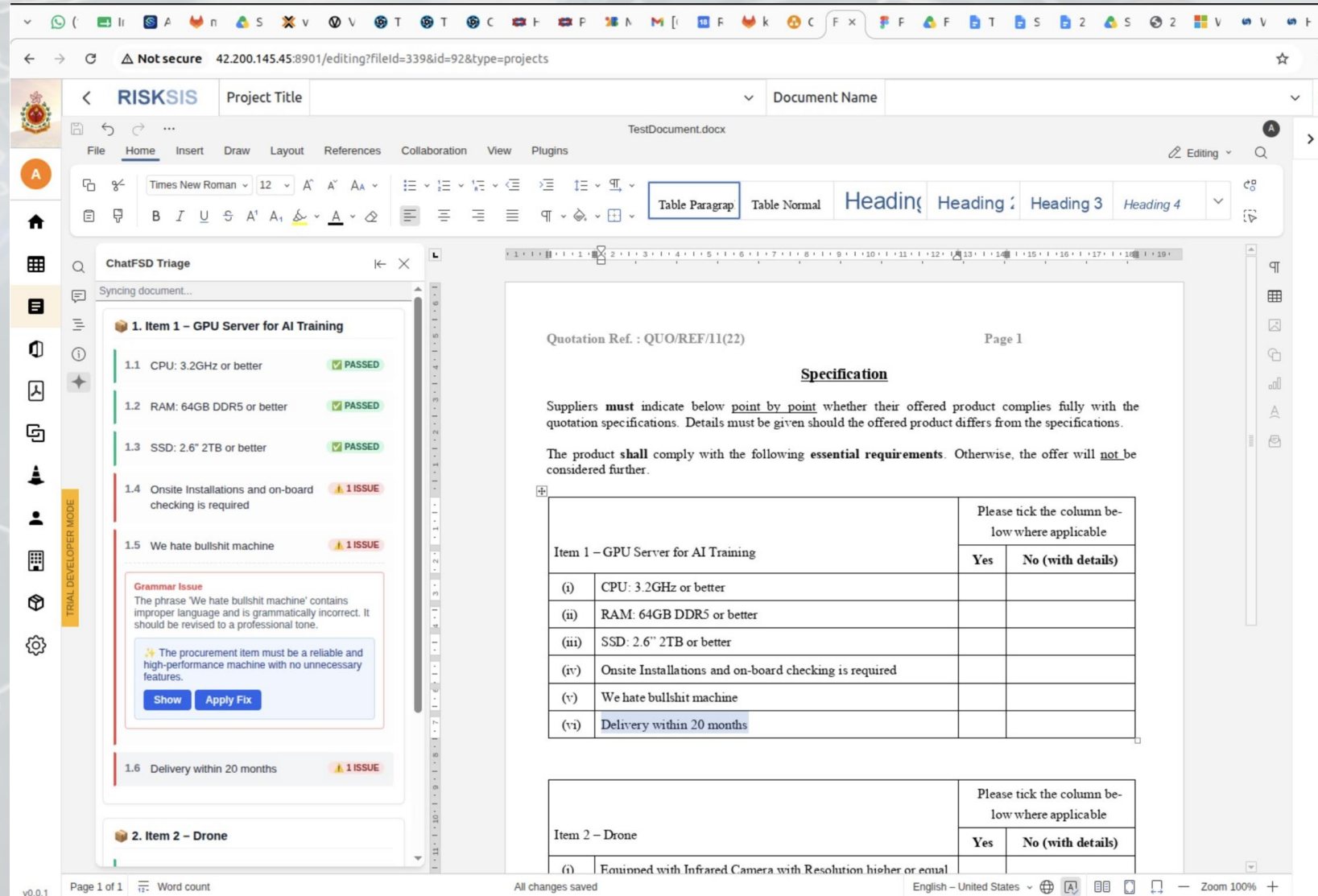
AI Deeply Integrated with Online Editor For Interaction



20

✓ AI in LLM

AI Deeply Integrated with Online Editor For Interaction



Outline

- ✓ Agentic AI
- ✓ AI in LLM

Key Features:

- ✓ AI Text Understanding on Forms with Analysis
- ✓ AI Summarization & Recommendations

Policy Address 2024

Care Team Resources Management Platform

Care Team Resources Management Platform

AI – NLP LLM – Textual Understanding & Analysis



Methodology:

Deep Learning – Big Data + Artificial Intelligence

Objective:

- Big Variety of Document format cause rule-based OCR recognition difficult
- AI is used to OCR, recognize paper text and automate the data entry

The Chief Executive's 2024 Policy Address
2024.10.16

大埔區關愛隊
Tai Po District Care Team

開關隊研設管理平台省行政 成員稱義工匯報工作吃力
冀網上設統一表格 - 20250201 - 港聞

【明報專訊】民政及青年事務局長麥美娟昨日接受傳媒訪問表示，政府正為18區關愛隊開發管理平台，協助處理日常行政工

news.mingpao.com

LLM
Large Language Model

Policy Insights
Action Insights

From Large Sets of Documents & Unstructured Data to Insights

Outline

- ✓ Agentic AI
- ✓ AI in LLM

Key Features:

- ✓ Document Text Extraction
- ✓ Shorten Processing Time

Financial Institutions

AI - Entity Recognition Engine (Paper-to-Electronic Module)

Methodology:

Deep Learning – Big Data + Artificial Intelligence

Objective:

- Big Variety of Document format cause rule-based OCR recognition difficult
- AI is used to OCR, recognize paper text and automate the data entry

Document Entity Recognition AI

DEMO DATA

**MAERSK**

**MAERSK LINE**
RFC GHE092502HK5

Shipper (Complete Name And Address)
Shenzhen Ailisheng Trade Co., Ltd.
Phoenix Road, Luohu district, Guangdong
Shenzhen city, China
Telephone and fax: 086-755-36922075

Freight
Shipper's
at s

Consignee (Complete Name And Address)
Alejead Pc S.A.S - Aptdo Postal 28059
Carrera 100 5-39 - Cali - Valle - Colombia
Telephone and email: 059-032-4491451 -
alejead@hotmail.com

Num

Notify Party (Complete Name And Address)
Same as consignee

Place of Receipt:
Shen Zhen / China

Port Of Loading:
Shangai / China

Place of Delivery:
Cali / Colombia

Port Of Discharge:
Buenaventura / Colombia

Marks And
Numbers
20' steel Dry Cargo

No. of PKGS
500 packages

Description of Packages And
Goods
500 units of 15.6 inch laptop with
core i7 8GB RAM, In 6 pallets

Gross Weight
1650 Kg

Measurement
100 %
Q X Q

Place and date of issue: 15 - August - 2010
Shen zhen / China

For Release Of Shipment, Please Contact:
Agencia de Aduanas Siacomex Ltda - Buenaventura
Calle 2 No. 2°-58 - PBX: (052) 242 2798
Fax: (052) 242 4823 - buenaventura@siacomex.com

Total No. Of Container/Package Received By The
Carrier: 1 / 0

For Transshipment
To: Maersk Line

Vessel/Voyage:
CSCL LE HAVRE / 0029W

- Paperless World
- Reduce Your Operational Cost
- Faster
- Digitize your trade flow

Document Type: Bill of Lading				
Numb...	Field Name	Field Value	Confidence	Action
1	Shipper	Ailisheng Trade	90%	☒ ☐
2	Vessel	3	90%	☒ ☐

- Image Recognition
- Textual Analytics
- Document Classification
- NLP

AI in Speech

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech

Key Features:

- ✓ Speech Recognition
- ✓ Shorten Processing Time

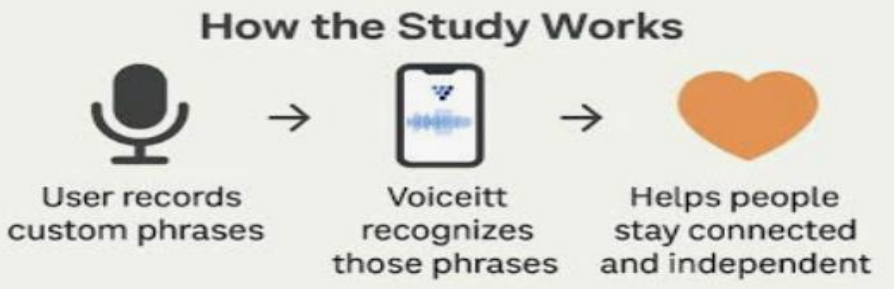
Speech Transcription / Public Training

AI – Speech Transcription



Methodology:

- AI Speech Engine converts enquiries speech to text
- Speech Meaning will be retrieved using AI LLM



Record Presentation

Only 1/1. Record your presentation

00:00 / 00:00

Start Presentation

Critical Rule Violations

Rule Violation	Count
Rule Violation: 不要使用粗言恶语 (第 11)	25%
Rule Violation: 不要使用粗言恶语 (第 11)	12
Rule Violation: 不要使用粗言恶语 (第 11)	4

Record Presentation

Only 1/1. Record your presentation

00:00 / 00:00

Start Presentation

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech

[Government & Regulator]

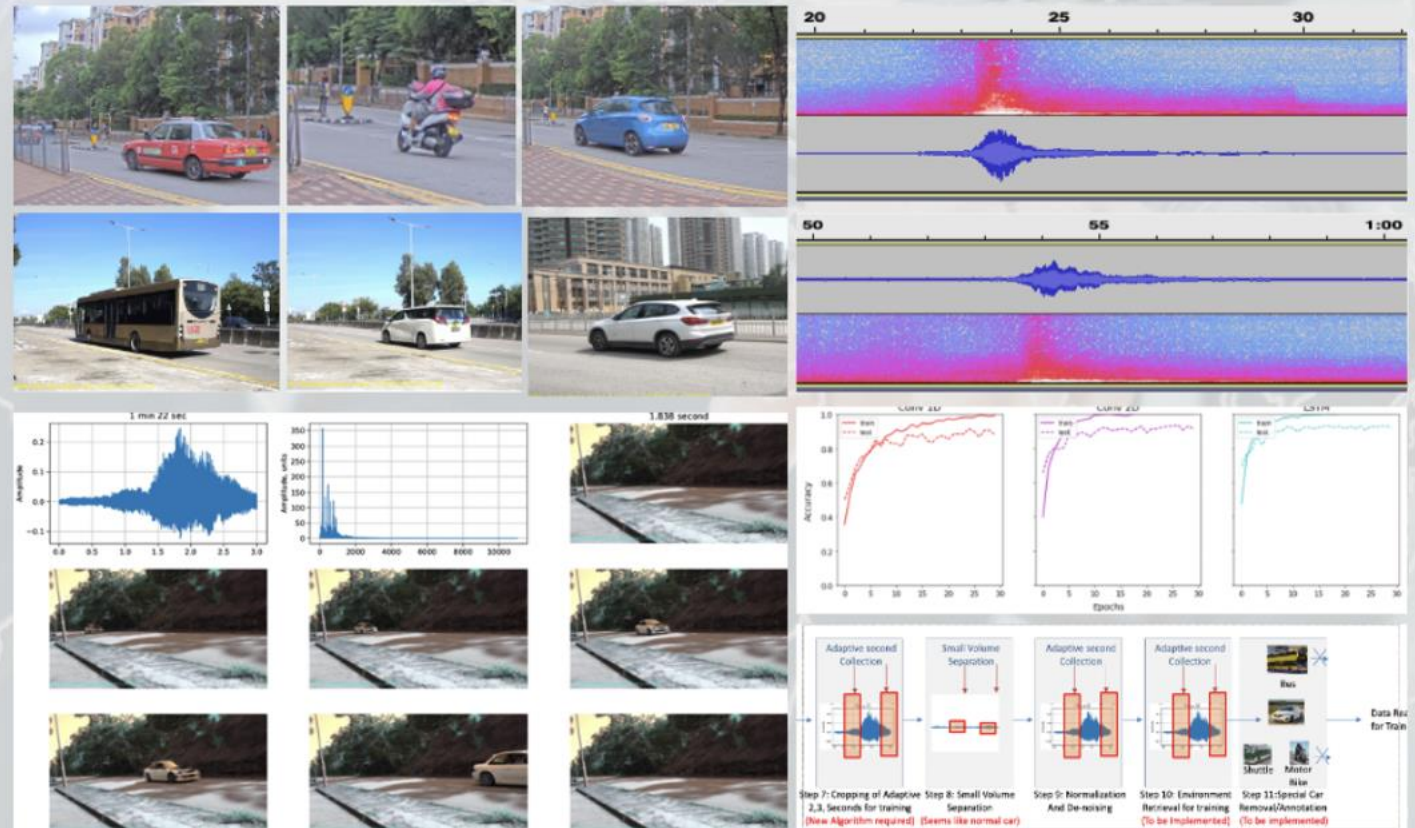
Detecting Non-compliant Modified Noisy Car

Objective:

Use Deep Learning Technology to implement several AI algorithms to detect non-compliant modified noisy car on the road.

Achievement

Audio classification model achieves 9x% accuracies in various environmental conditions



AI in Video

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video

Key Features:

- ✓ AI Predictive Strategies
- ✓ AI People Detection

AI Drone-Image-Assisted Mountain Rescue People and Object Tracking

Objective:

- Track Person Activity and whereabouts at border
- Person and Object Tracking; Activity Recognition

Methodology:

Deep Learning – AI 2D & 3D Object Recognition
Airport, EMSD HQ, MTR



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video

Key Features:

- ✓ AI Crowd Management
- ✓ AI Activity Detection

Lunar New Year Fair 2024

People Traffic, Activity & Safety

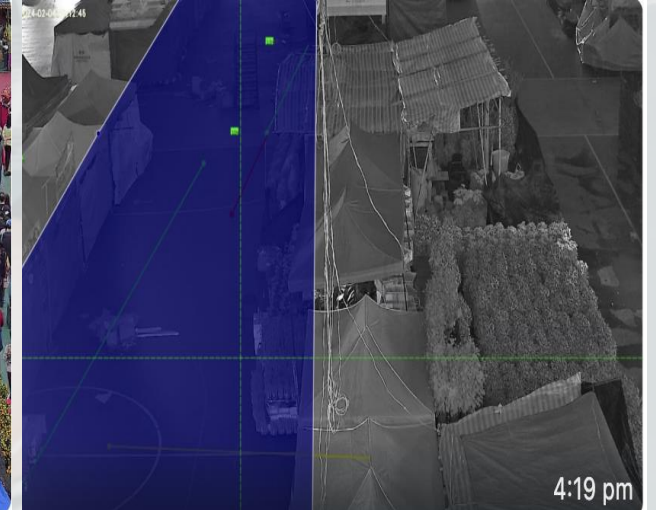
Objective:

- Track Person Traffic & Activity

機電工程署
EMSD



食物環境衛生署
Food and Environmental Hygiene Department



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video

Key Features:

- ✓ AI Suspicious & Illegal Object Detection
- ✓ AI People Tracking

Hong Kong Government (執法部門)

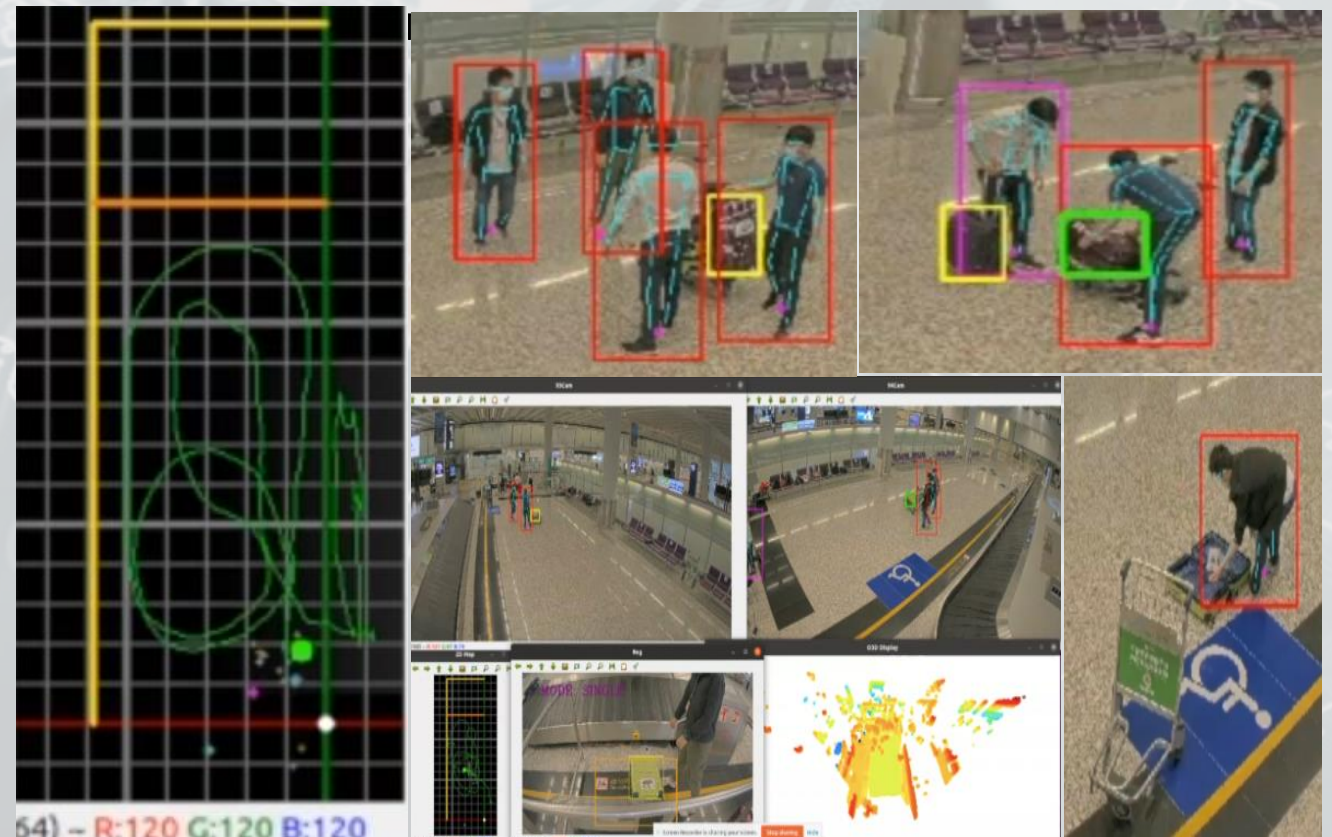
People and Object Tracking

Objective:

- Track Person Activity and whereabouts at border
- Person and Object Tracking; Activity Recognition

Methodology:

Deep Learning – AI 2D & 3D Object Recognition



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video

Key Features:

- ✓ Detect People Actions
- ✓ Detect Detect Abnormality

Railway Activity Recognition



People Safety Activity Recognition

Objective:

- Track Person Activity
- Fighting; Running; Walking in Reverse Direction; Unconscious; Drunk
- Bring Dangerous Goods; Bring Oversized Animals; Bring LPG;

Methodology:

Deep Learning – AI 2D & 3D Object Recognition

Client: MTR; EMSD; C&ED



Fighting



Running



Unconscious



LPG



Fall over



Drunk



Dangerous Goods

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video

AI Image Recognition - Solar Panel Compliance Inspection

Drone Image AI Image Analysis





AI Intelligent Detection System for Solar Photovoltaic Panels v1.0

Home

Dashboard

Export CSV

Import CSV

Refresh

Sai Kung District

Status: **Registered**
Block 23, Nam Tim Village, Sai Kung
(22.132, 113.432) Power Estimation

Status: **Newly Detected**
Block 27, Nam Tim Village, Sai Kung
(22.135, 113.519) Power Estimation

Status: **Registered**
Block 23, Nam Tim Village, Sai Kung
(22.132, 113.432) Power Estimation

Status: **Newly Detected**
Block 27, Nam Tim Village, Sai Kung
(22.135, 113.519) Power Estimation

Status: **Registered**
Block 23, Nam Tim Village, Sai Kung
(22.132, 113.432) Power Estimation

Status: **Registered**

(2021) 無人機影像執法



Outline

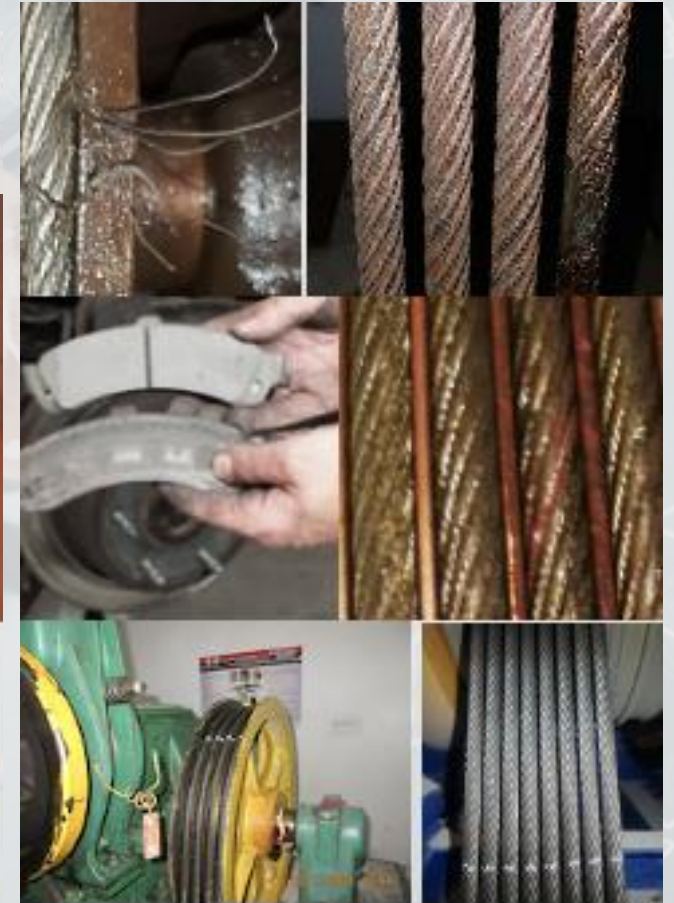
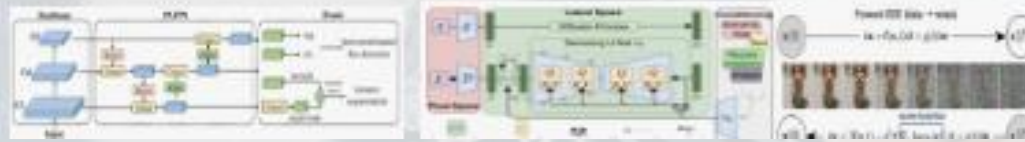
- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video

Lift & Escalator Equipment Inspection

AI Visual Analytics with Generative AI

Objective:

- Lift & Escalator Component Classification
- Lift & Escalator Defect Predictive Maintenance by Image Recognition
- Data Augmentation with Generative AI



Outline

- ✓ **Agentic AI**
- ✓ **AI in LLM**
- ✓ **AI in Speech**
- ✓ **AI in 2D Video**

ASD – Construction Site Inspection

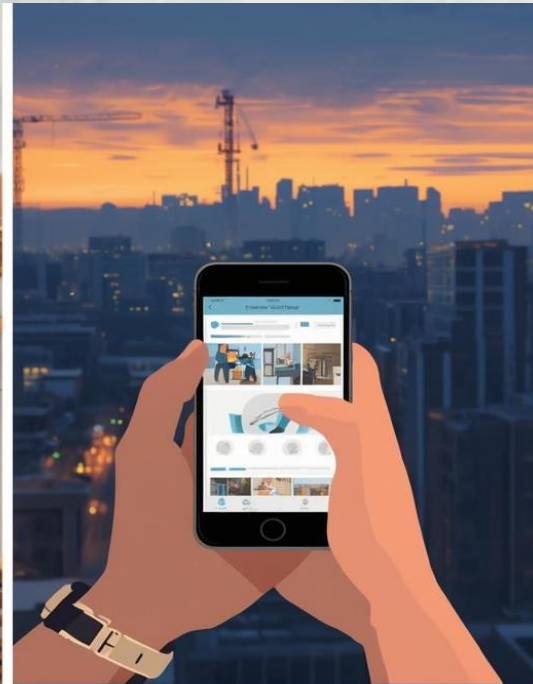
AI Visual Analytics for Construction Inspection

Objective:

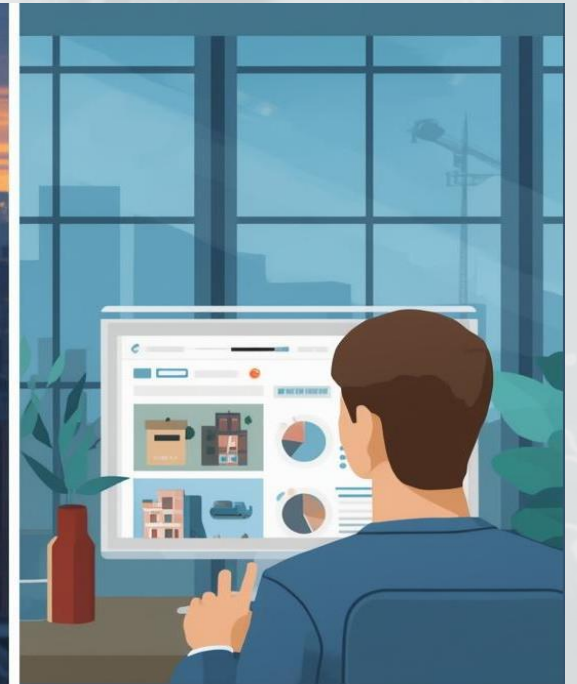
- AI Construction Site Inspection for Compliance Checking
- Works Record Management
- Consistent! Remote Access ! Compliance Tracked !



1. Taking plate images



2. Upload images to the system at day end



3. Inspect the result later

Outline

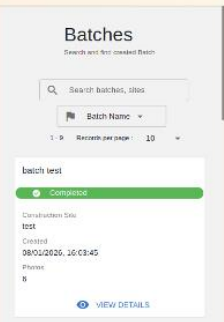
- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ =

ASD – Construction Site Inspection

AI Visual Analytics for Construction Inspection

AI Inspection Result Visualization

Web Visualization



Batches
Search and filter created Batches

Search batches, sites

Batch Name

batch test

Complete

Construction Site

ID: 123

Created: 08/01/2025, 16:03:45

Photos: 8

VIEW DETAILS

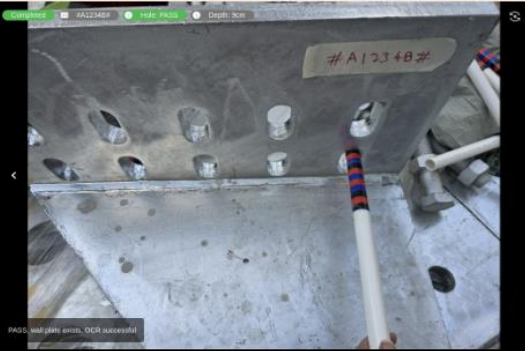
AI Hole Damage Inspection



AI Hole Damage Inspection

PASS: wall plate exists, OCR successful

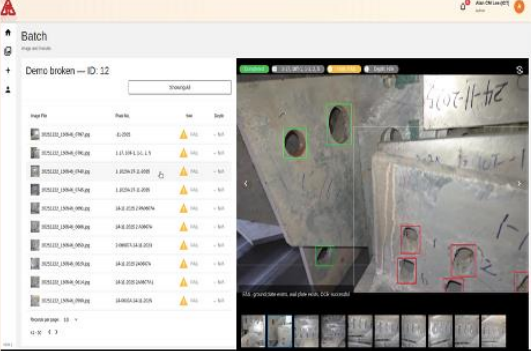
AI VLM Code Retrieval



AI VLM Code Retrieval

PASS: wall plate exists, OCR successful

AI Depth Inspection



AI Depth Inspection

PASS: wall plate exists, OCR successful

Image 1 Holes on "Plate Wall"



Step 1a:
Label the plate



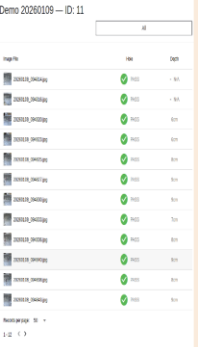
Image 2 Holes on "Plate Ground"



Step 1b:
Take images for hole inspection



Step 3a: Select Image Batch

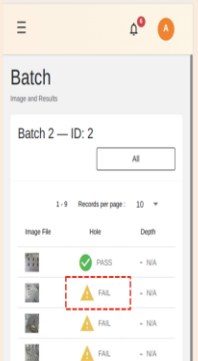


Step 3a: Select Image Batch

Demo 20260109 — ID: 11

Image File	Hole	Depth
image1.jpg	PASS	N/A
image2.jpg	PASS	N/A
image3.jpg	PASS	N/A
image4.jpg	PASS	N/A
image5.jpg	PASS	N/A
image6.jpg	PASS	N/A
image7.jpg	PASS	N/A
image8.jpg	PASS	N/A
image9.jpg	PASS	N/A
image10.jpg	PASS	N/A

Hole Damage – AI Inspection

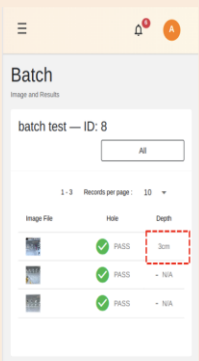


Hole Damage – AI Inspection

Batch 2 — ID: 2

Image File	Hole	Depth
image1.jpg	PASS	N/A
image2.jpg	PASS	N/A
image3.jpg	PASS	N/A
image4.jpg	PASS	N/A
image5.jpg	PASS	N/A
image6.jpg	PASS	N/A
image7.jpg	PASS	N/A
image8.jpg	PASS	N/A
image9.jpg	PASS	N/A
image10.jpg	PASS	N/A

Depth Detection – AI Inspection



Depth Detection – AI Inspection

Batch 2 — ID: 8

Image File	Hole	Depth
image1.jpg	PASS	N/A
image2.jpg	PASS	N/A
image3.jpg	PASS	N/A
image4.jpg	PASS	N/A
image5.jpg	PASS	N/A
image6.jpg	PASS	N/A
image7.jpg	PASS	N/A
image8.jpg	PASS	N/A
image9.jpg	PASS	N/A
image10.jpg	PASS	N/A

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video

Key Features:

- ✓ Defect detection on Emergency Response

AI Road Fixture Defect Detection

AI 3D Lidar Point-Cloud + AI 2D



Our clients requires

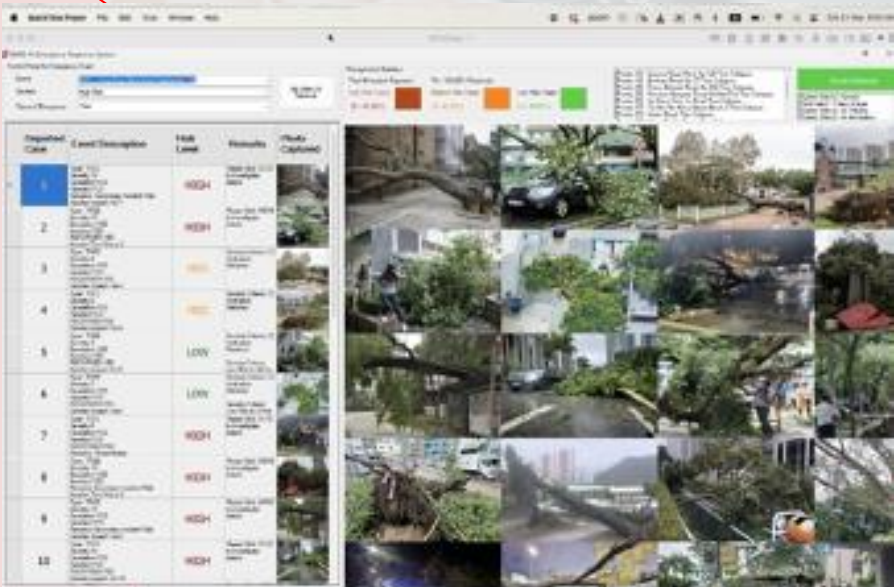
Objective:

- Signboard Detection
- Defect Detection
- AI on 3D Lidar + 2D Image

Client: EMSD



Geneva Inventions 2024 Gold Award



AI 3D

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D

Key Features:

- ✓ Building Defect detection using 3D Lidar

Signboard Defect Detection – Vehicle Monitoring

AI 3D Lidar Point-Cloud + AI 2D

Objective:

- Building Defect Detection



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D

Key Features:

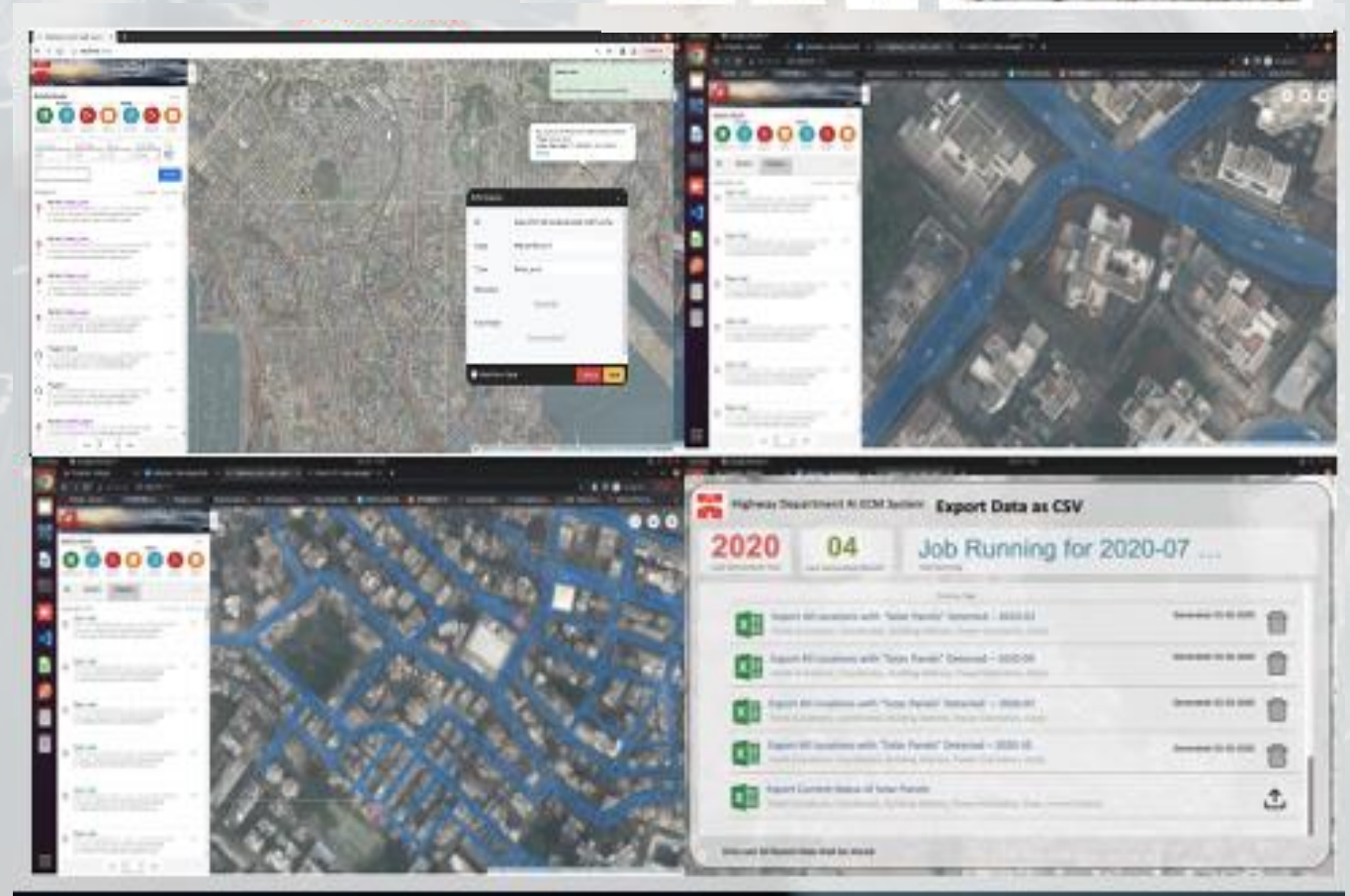
- ✓ Road Defect detection using 3D Lidar

AI Road Object Defect Detection

AI 3D Lidar Point-Cloud + AI 2D

Objective:

- Road Fixture Detection
- Lidar Sensor Data
- AI on 3D Lidar + 2D Image



Outline

✓ Agentic AI

✓ AI in LLM

✓ AI in Speech

✓ AI in 2D
Video

✓ AI in 3D

res:

ection

e, Fire.

Marine Department – Pier Security Control People, Vessel, Vehicle Abnormal Behavioural Tracking

Objective:

- Track Person Activity and whereabouts at border
- Person and Object Tracking; Activity Recognition
- Deep Learning – AI 2D & 3D Object Recognition



Outline

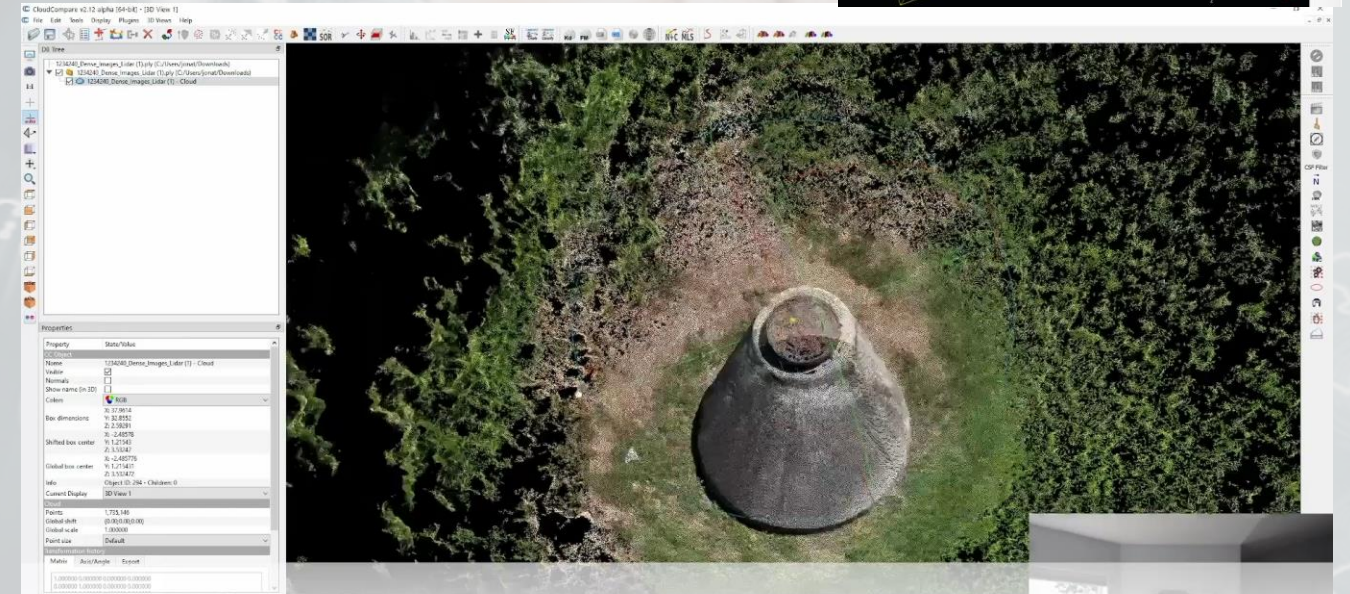
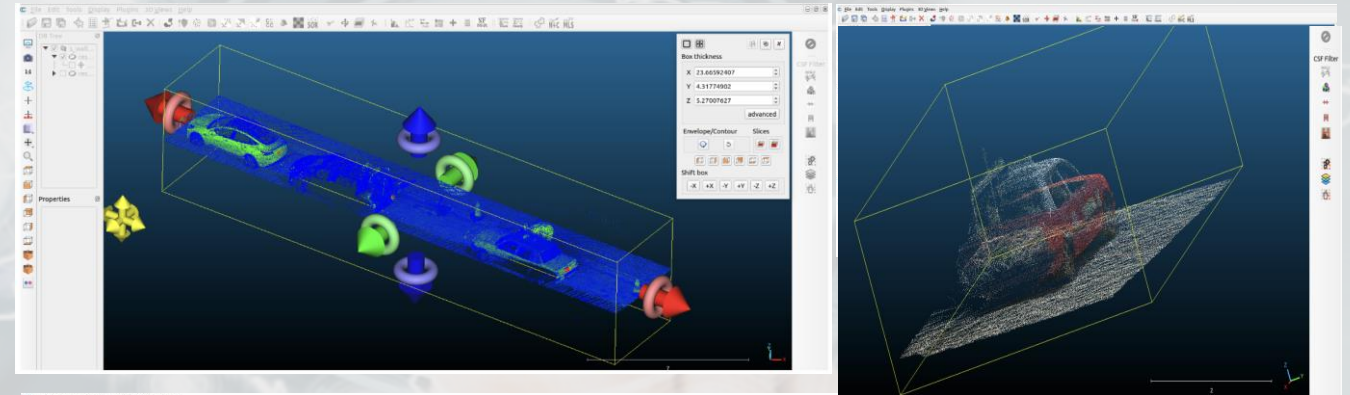
- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D

Key Features:

- ✓ Highway Defect detection using 3D Lidar

AI - 3D Point Cloud Urban Object Recognition Annotation Tools

Our clients requires



RISKSIS - 3D PointCloud Annotation Tools

Urban Object Recognition

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D

Key Features:

- ✓ People Traffic Analysis
- ✓ AI Customer Analysis For Revenue



West Kowloon Cultural District Area People Count and Object Tracking

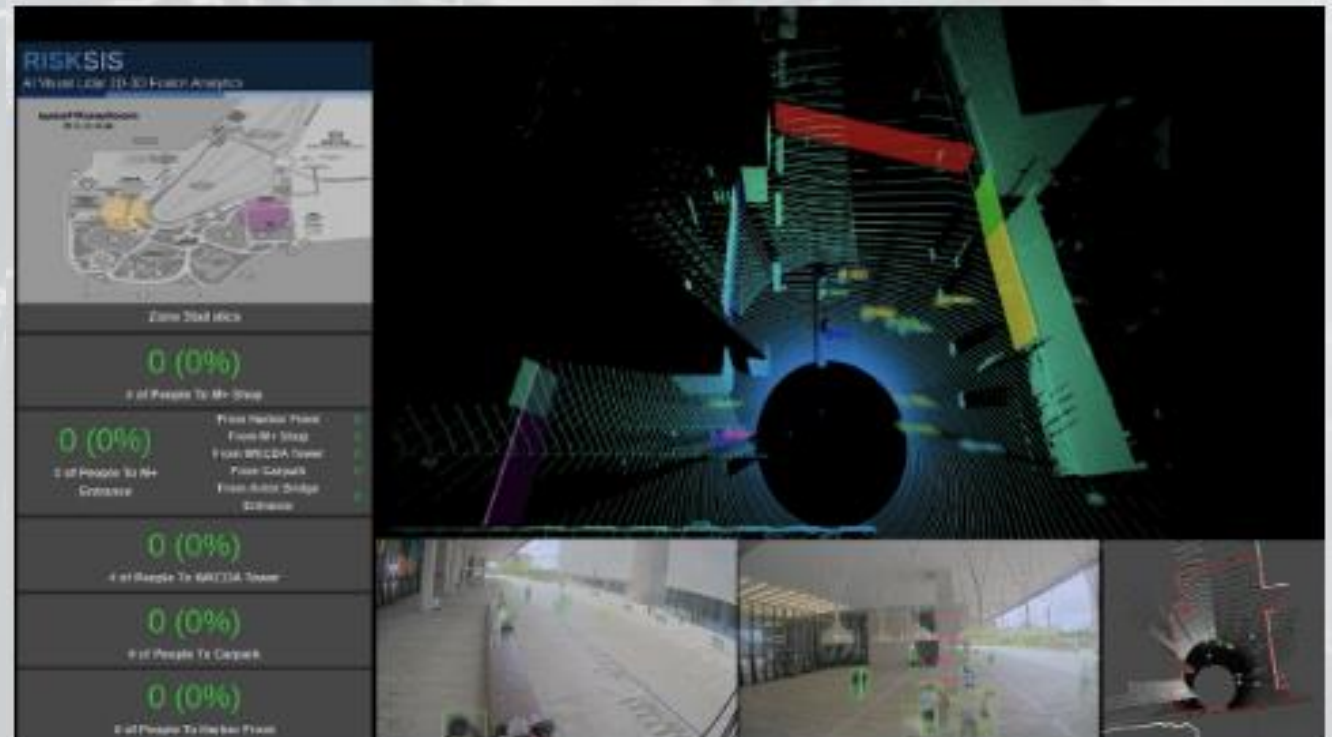
Objective:

- Track Person Activity and whereabouts at border
- Person and Object Tracking; Activity Recognition



Methodology:

Deep Learning – AI 2D & 3D Object Recognition



AI 3D Map

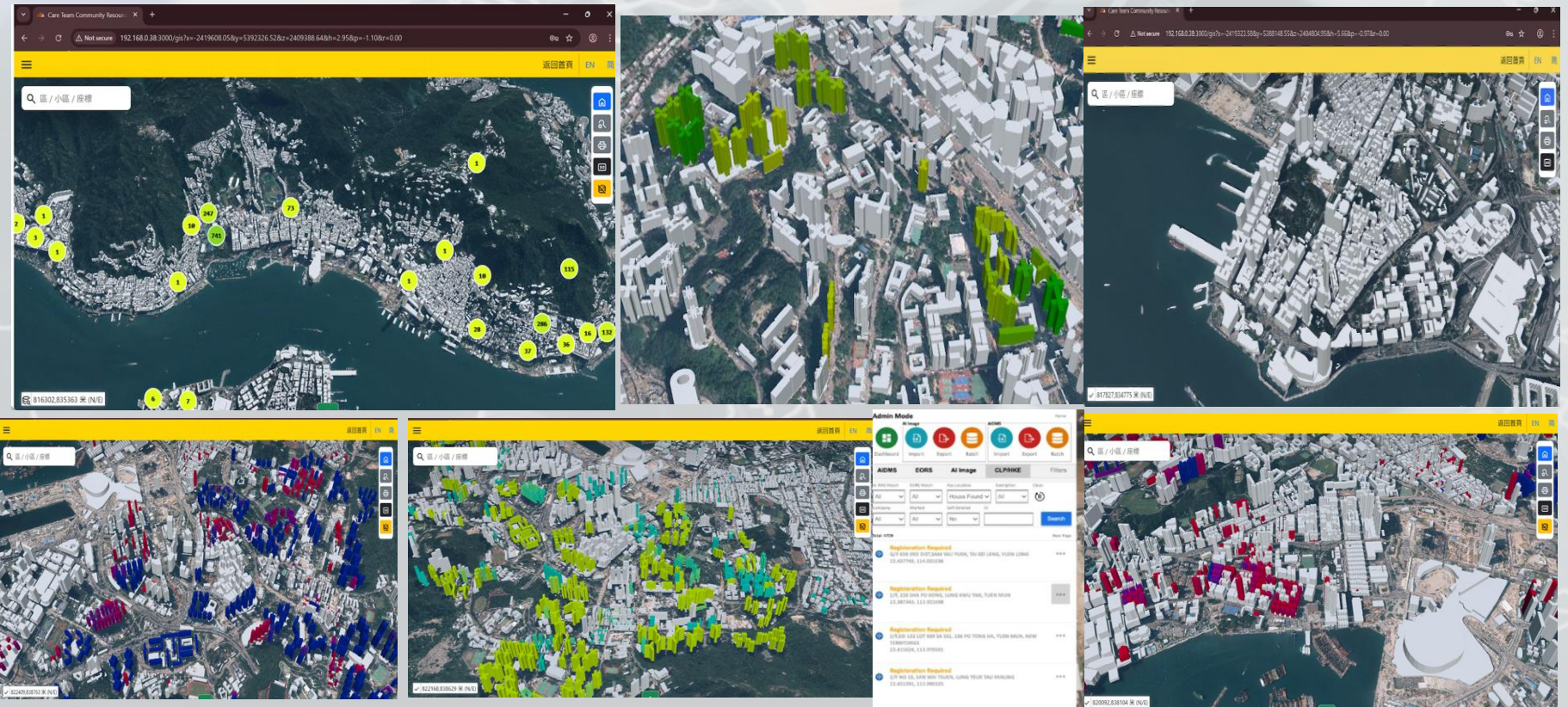
Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D

3D Map – Urban Visualization

AI 3D Spatial AI & Geo AI

- ✓ Urban Planning,
- ✓ Energy Planning,
- ✓ Rescue Strategy
- ✓ Household Visit,
- ✓ Road Defect Monitoring



AI Time Series

IOT Sensor

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D
- ✓ AI in Sensors & Time Series

Key Features:

- ✓ AI Intelligent Traffic Prediction from IOT Data

HKSARG FIRST AI Project
Smart City
(2015-2016)



Hong Kong Government Smart Traffic – Predictive Analytics

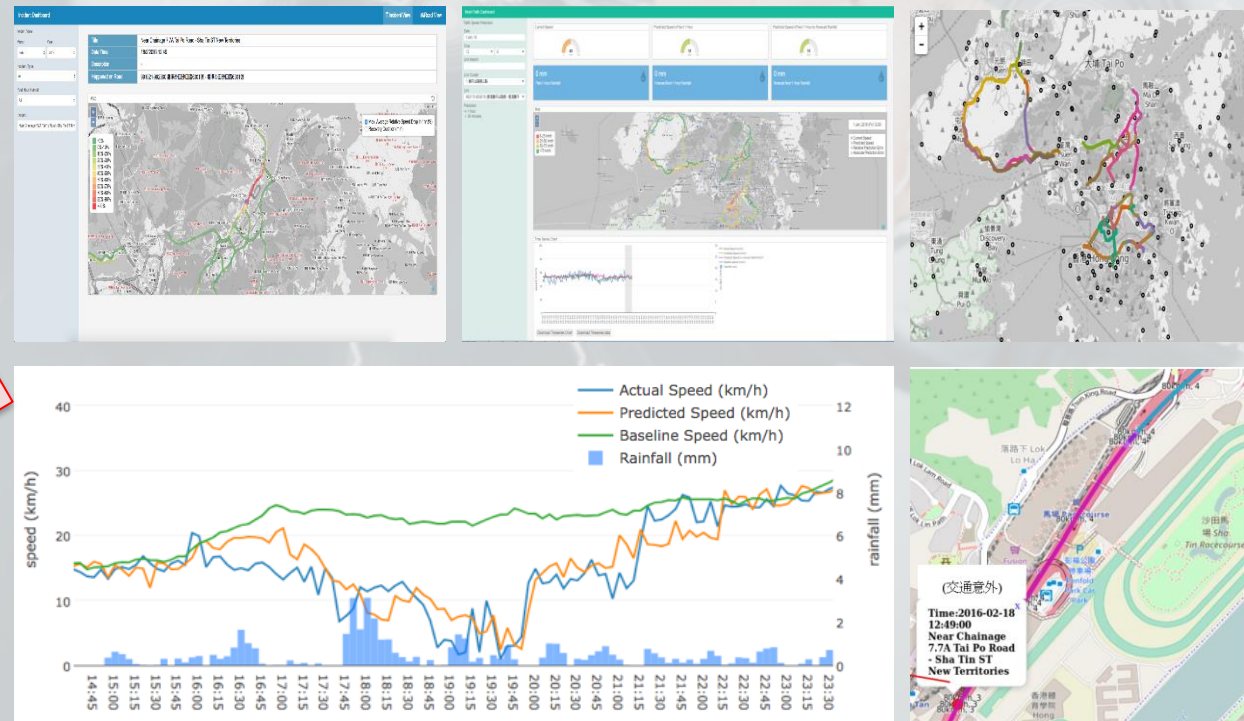


Objective:

- Predictive Analytics in Traffic Impact
- Real time Traffic Speed Prediction for Major Routes and Urban Roads
- Data Sources include historical speed data, rainfall data, news data, accident data, incidents data and many more.

Methodology:

Deep Learning – Big Data Artificial Intelligence



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D
- ✓ AI in Sensors & Time Series

Key Features:

- ✓ AI Energy Saving on Equipment
- ✓ AI For Engineering

香港政府首個
証明用AI
可以大量節能項目

(2018)

Electrical & Mechanical Energy Saving AI Energy Saving & Optimization – HVAC Chiller

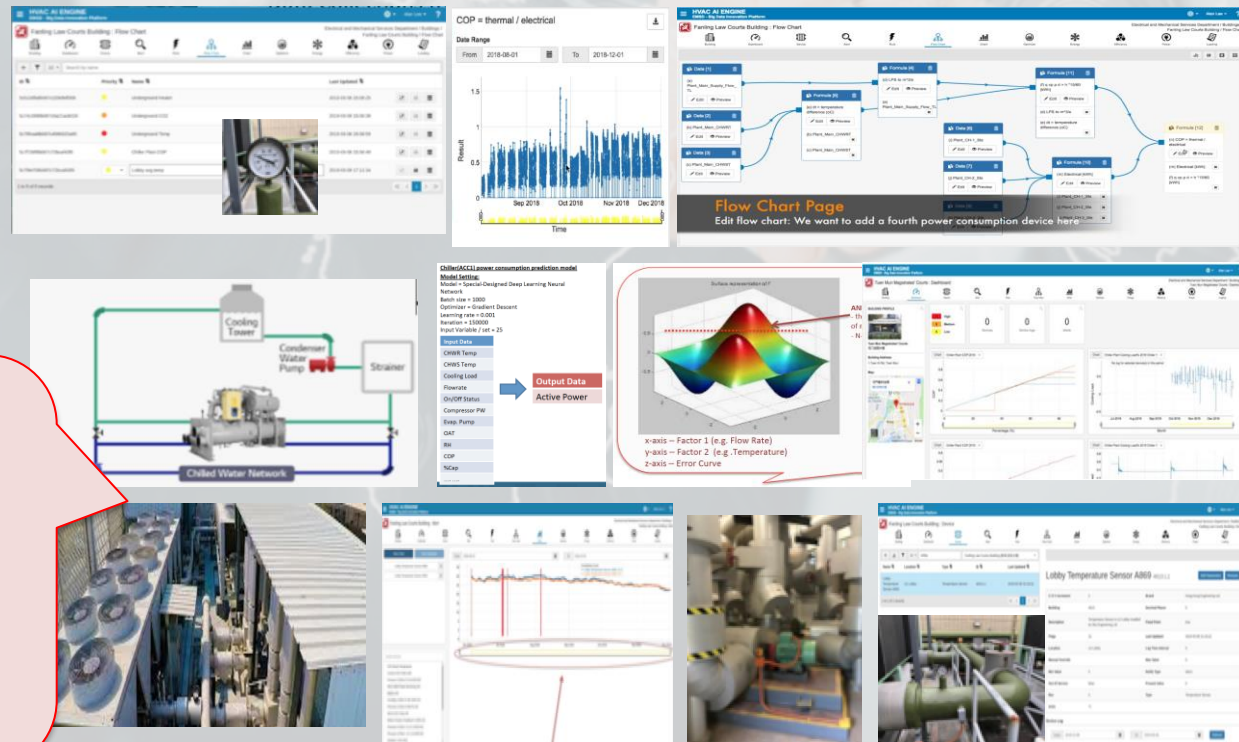
Objective:

- Predictive Analytics in Energy Saving in Building Chiller System
- Data Collections from Building Sensors & External Data
- By suggesting different set-point settings of the system, back-test shows significant Energy Saving can be achieved

(Client: Government Clients – EMSD ; Some Commercial Clients – 40%)

Methodology:

Deep Learning – Big Data Artificial Intelligence



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D
- ✓ AI in Sensors & Time Series

Key Features:

- ✓ AI Equipment Predictive Maintenance
- ✓ Anything with moving parts

Motors & Mechanical - Preventive Maintenance

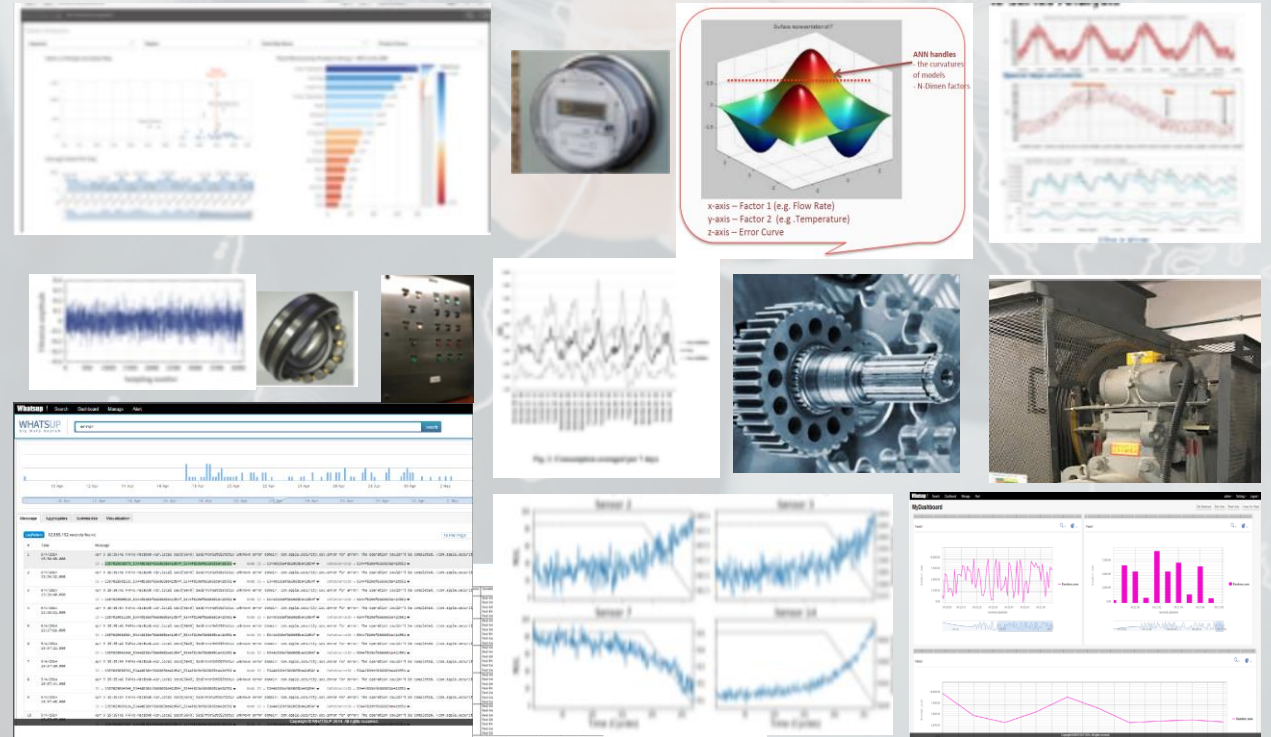
AI Preventive Maintenance

Objective:

- Predictive Analytics in Preventive Maintenance
- Data Collected from Mechanical Sensors such as Vibrations, Stress.
- By Analyzing time series, predict probability of Fault; root cause analysis; Prioritization of Maintenance Works; Preventive Maintenance

Methodology:

Deep Learning – Big Data Artificial Intelligence



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D
- ✓ AI in Sensors & Time Series

Key Features:

- ✓ AI Railway Equipment Fault Prediction
- ✓ AI Sensors

AI Railway Equipment Fault Predictive Main AI-based Vibrational & Electrical Predictive Maintenance

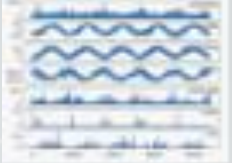


Objective:

- Use Vibration Sensor and sensors
- Detect Early Symptoms of Fault of Equipment

Methodology:

Deep Learning – AI 2D & 3D Object Recognition



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D
- ✓ AI in Sensors & Time Series

Key Features:

- ✓ AI on Property Valuation & Trend Prediction

Property Valuation

Property Valuation

Objective:

- 1. Property Valuation using Online Data (e.g. Banks & Landlord)
- 2. Historical Rental Valuation
- 3. Customer Analytics (Using Marketing Data)
- 4. Customer Strategy with People Route Tracking Camera Lidar(Similar to West Kowloon)

主頁 實樓 租樓 成交 屋苑 一手新盤 更多

中原地產 網上搵樓

輸入屋苑 | 學校 | 關鍵字

實樓 租樓 成交 屋苑 新盤 單位 代理 分行

精選 中原(1) 香港 屋苑 租樓 價錢 實用面積 間隔 更多 重設

精選推介

二手 一手 新聞

熱門地區	熱門屋苑	校網搵樓	港鐵沿線	主題
康城 1,484	沙田第一城 241	西貢區: 校網 95 3,952	元朗站 1,783	室內租 26,428
西半山 1,352	天晉 209	元朗區: 校網 74 3,224	康城站 1,484	VR睇樓Guide 21,623
將軍澳 1,064	新港城 118	中西區: 校網 11 3,007	大圍站 938	VR 21,623
元朗站 973	YOHO TOWN 440	屯門區: 校網 71 2,034	南昌站 1,086	最高90%按揭 26,003
何文田 948	海怡半島 208	深水埗區: 校網 40 2,601	美孚站 1,094	AI裝修 18,702
天水圍 936	康怡花園 160	灣仔區: 校網 12 2,270	將軍澳站 1,070	AI 講房 17,715
馬鞍山 916	尚悅 340	大埔區: 校網 84 1,785	奧運站 1,040	按揭 15,122
大圍 819	嘉湖山莊 384	東區: 校網 14 2,071	西營盤站 923	有屋屋苑 13,861
粉嶺 757	日出康城 1,341	荃灣區: 校網 62 1,986	朗屏站 800	搵樓換樓精選 12,132
元朗市中心 715	迎海 228	九龍城區: 校網 34 1,816	北角站 838	KOL 8,416

數據量更新時間: 2024-07-02 09:27

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D
- ✓ AI in Sensors & Time Series

香港Airline用AI
作客乘客預測項目

準確度達99.7%
(2018)

Airline Industry

AI – Customer Number Time Series Trend Prediction

Our clients cover more than 90% of daily flights in HK

Objective:

- Predictive Analytics in Customer Number & Trends
- Data Collected from Different Flights Records, Flights Configuration, Destination, Airlines, Holidays, Events, Economics etc.

Achievement / Business Impact:

- Critical in Operation Team for resources planning
- Great Impact on the Profit / Loss of the Business in Control of Cost
- Important for the prevention of wastages of allocated resource

Methodology:

Deep Learning – Big Data
Artificial Intelligence



As requested by Client, pictures are not shown here.

Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D Video
- ✓ AI in 3D
- ✓ AI in Sensors & Time Series

Key Features:

- ✓ AI Knowledge Management
- ✓ AI Incident Prediction
- ✓ Data from PDF, Excel, Sensors, Images etc

Geneva
Inventions Award

Semantic AI –
Predictive
Maintenance
Models
(2022)

Railway & Government Regulator

AI – Semantic AI – Knowledge Management System

Methodology:

- Deep Learning – Big Data + Artificial Intelligence
- Collect Sensor Data, Maintenance Data, Document Data (PDF, excel)
- AI in Predictive Maintenance and AI Prediction with Knowledge Graph



Outline

- ✓ Agentic AI
- ✓ AI in LLM
- ✓ AI in Speech
- ✓ AI in 2D
Video
- ✓ AI in 3D
- ✓ AI in Sensors



Thank You

RISKSIS TECHNOLOGY

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