

# AI Document Processing

Transform unstructured data into actions

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# (1) The Challenge

- **Paperwork Bottlenecks Efficiency & Effectiveness**
  - High volume of paper invoices, receipts, contracts, identity documents, archived documents ...
  - Time-consuming manual data entry
  - Difficult to have managerial bird-view / analysis on any categories of paper document without manual data entry

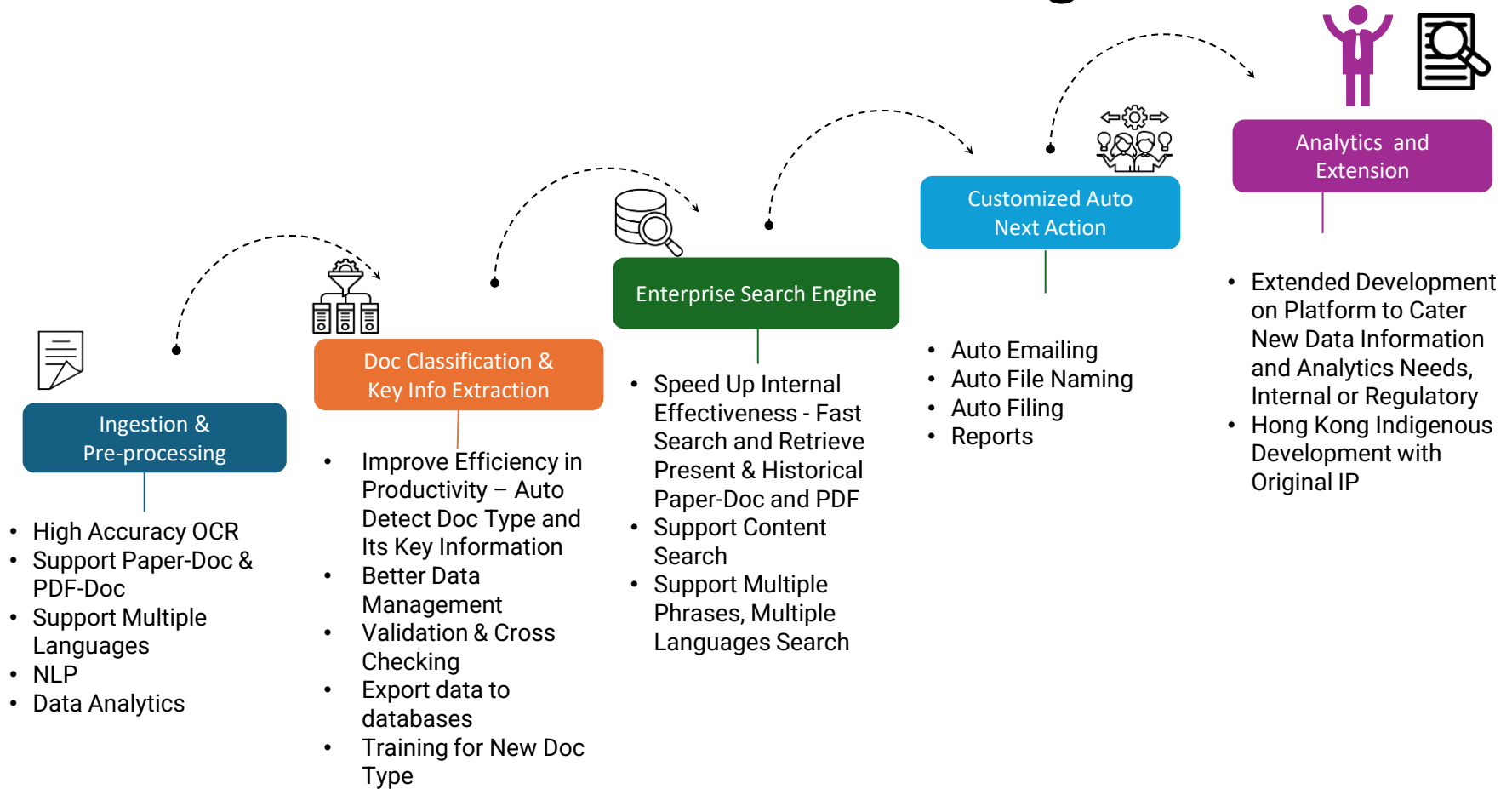
## (2) The Solution

- **AI Document Processing**

<b>Ingestion</b>	Accepts any format (PDF, JPG, PNG, TIFF)
<b>Pre-processing</b>	AI de-skews, de-noises, and corrects lighting for maximum accuracy
<b>Classification</b>	Automatically identifies the <i>type</i> of document (Is this a receipt? invoice? contract? HK Identity card?)
<b>Extraction</b>	Captures specific data points (Key-Value pairs, tables)
<b>Validation</b>	Cross-checks data against databases (e.g., verifying a PO number exists)
<b>Export</b>	Sends structured data to databases

# • Topology

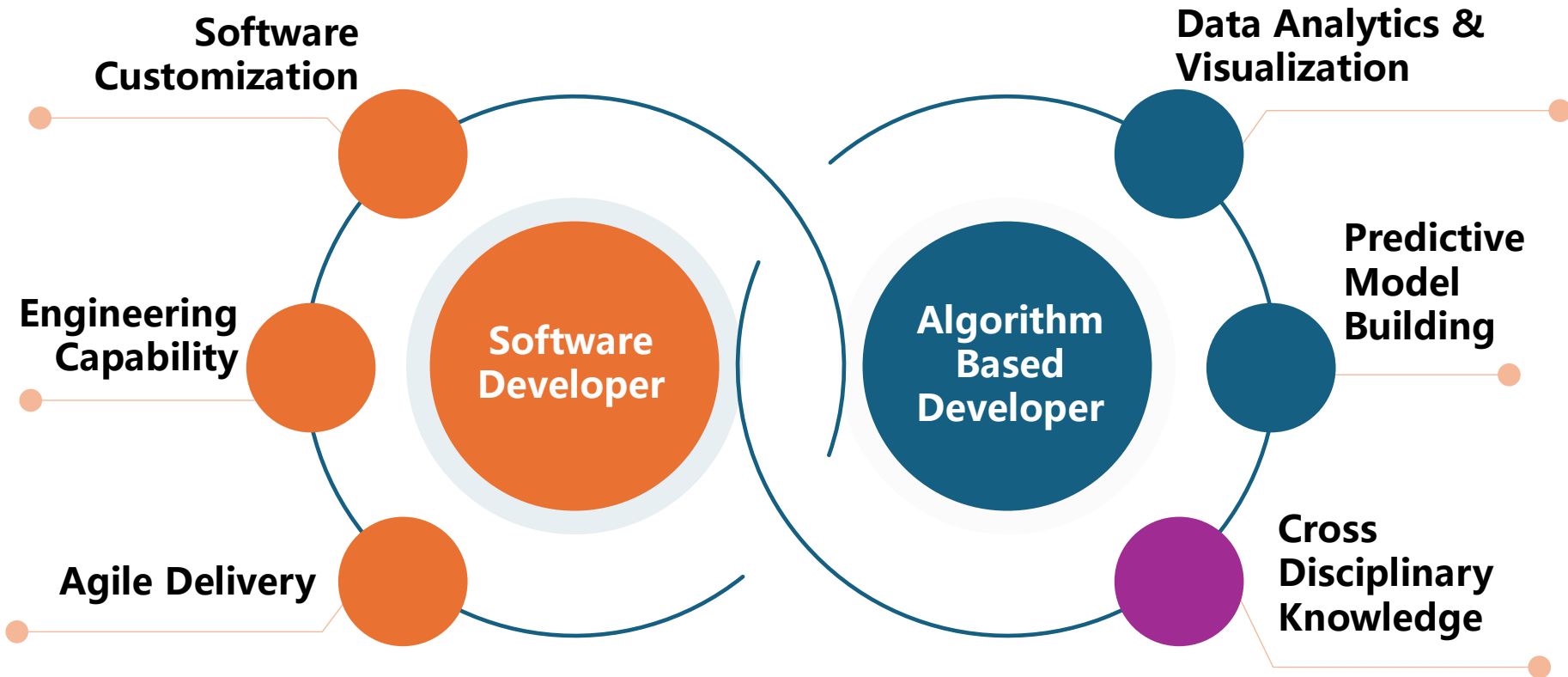
## AI Document Processing



## • Key Benefits

- **Transform traditional paper to modern data**
- **60-80%** Reduction in Operational Costs
- **10x** Faster Processing Speed enable efficiency and effectiveness for management to supervise
- **99%** Straight-Through Process without human touch protects confidential information
- **\$500k+** Annual Savings per 100,000 documents processed (based on industry averages)

# (3) Who are we



## Cross Disciplinary Knowledge in Our Team:

- (i) data analytics & predictive model building, machine learning, natural language processing
- (ii) software development, distributed system architecture and network, IoT & related
- (iii) business administration, accounting, customer behavior

## • **Software Developer in Hong Kong**

- More than 30 years of experience in software development
- Unix / Linux expertise
- Software source code owner:
  - ISS Accounting System
  - ISS Supply Chain Management System
  - ISS Project Management Private Cloud

## • Algorithm Based Developments

- Predictive Analytics
  - Use transaction data which is human behavior footprint for prediction model built
  - Use IoT data to predict human movement
- AI Document Processing
  - Use optical character recognition, natural language processing and data analytics to autonomously extract key information of the document and send it to related databases
- Wheelchair Road Reader
  - Without wifi, wheelchair user can be directed to the best route to destination

- **Contact Us**

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