



# GO AI OCR: Next- Generation Document Process

The Future of Automated Document  
Management and Processing



# Document Management and Processing

## Challenges in Traditional Document Management and Processing

- ▶ **Time Consuming**
- ▶ **Labor Intensive**
- ▶ **Prone to Human Errors**

## With AI

- ▶ **Automated Classification & Sorting:** AI OCR categorizes documents instantly, eliminating manual effort.
- ▶ **Intelligent Data Extraction:** AI-driven tools extract critical information with high accuracy.
- ▶ Scenarios:
  - ▶ Automates processing for welfare, pension, invoices and insurance claims

# GO AI OCR is an AI-based Document Automation Solution

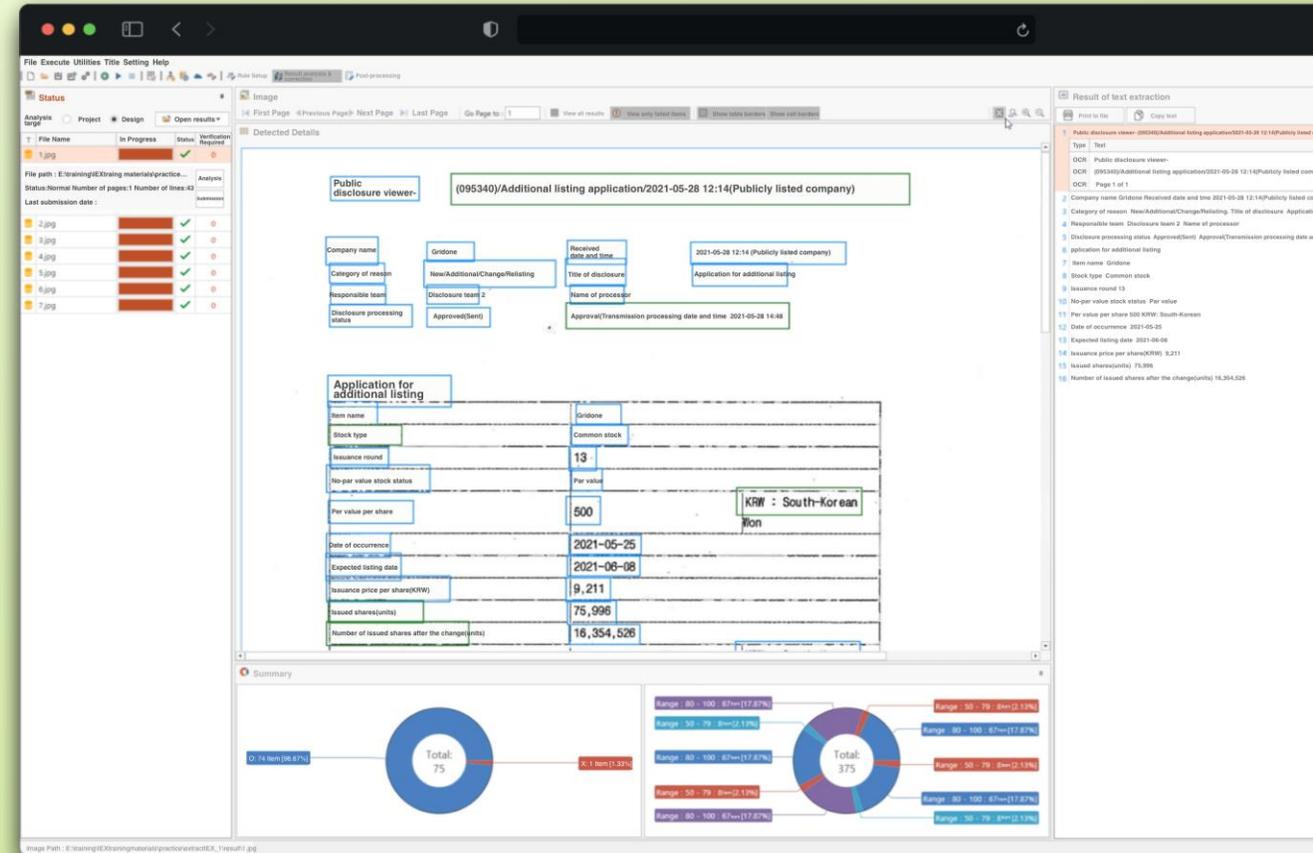
Gridone's GO AI OCR recognizes complex and various types of documents and utilizes deep learning capabilities to extract information and automate document processing tasks.

Standard OCR

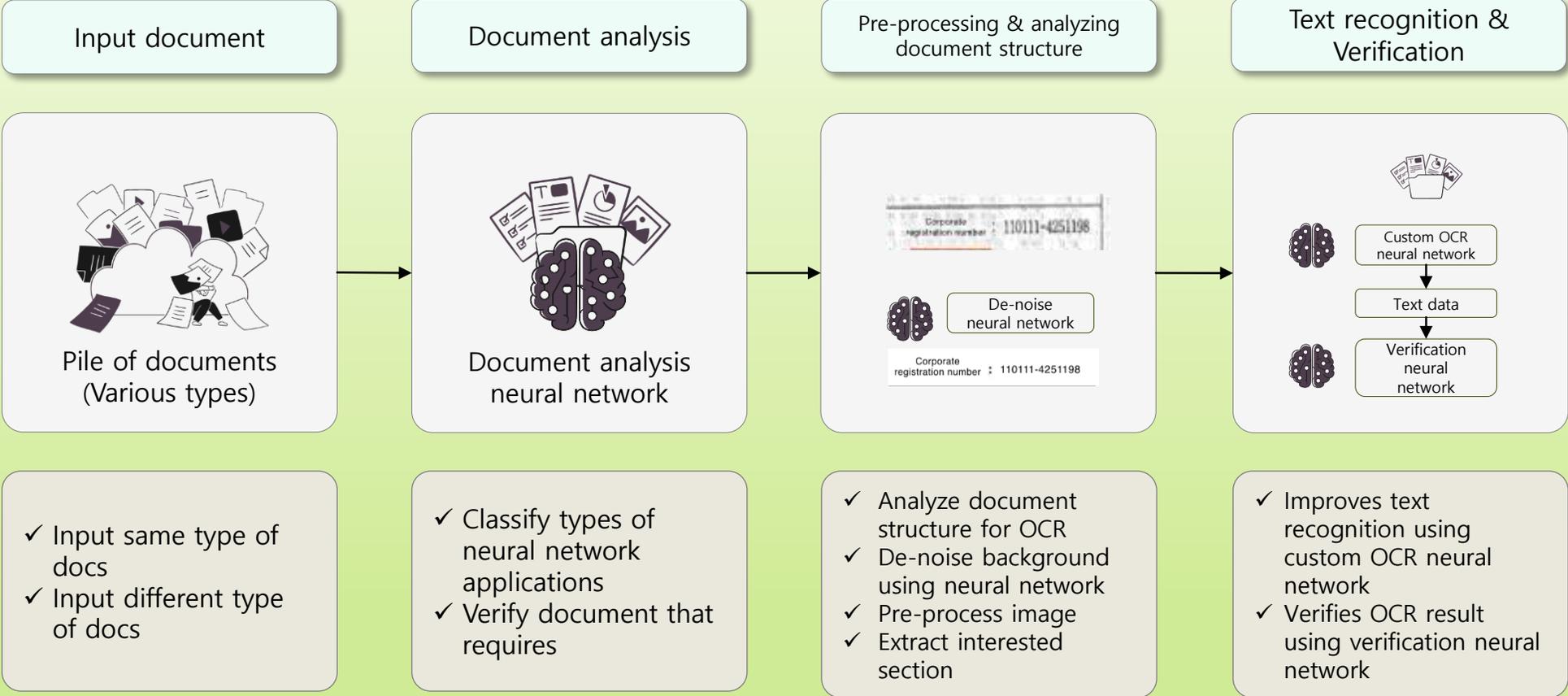
- Rule-based template text recognition
- Standard/fixed form/scale document processing
- Difficult to work with even minor format changes

AI OCR

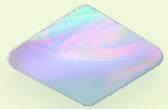
- AI deep learning-based document structure recognition
- Accuracy improves the more you use information extraction
- Extracts information separately that required mostly



# GO AI OCR goes beyond simple recognition to extract meaning and information



# Powerful Recognition Performance via 3rd generation: **99% Accuracy**



**3<sup>rd</sup> generation OCR**

Clean Data : 99.81% / Noised Data: 99.17%



**2<sup>nd</sup> generation OCR**

Clean Data : 97.17% / Noised Data: 88.25%



**1<sup>st</sup> generation OCR**

Clean Data : 84.38% / Noised Data: 25.67%

\*Test dataset : About 3,756 clean & noised Data



# Information Extraction: more important than recognition performance.

Can business use possible with just higher recognition performance?

Extract information function that only needs for business is more important than recognition.

GO AI OCR completes **True Document Automation** with an **information extractor** that powered with deep learning-based service development.

Information			
* Customer name (Business name)	Hong Gil Dong (Daehan Corporation)		* Individual <input type="checkbox"/> Sole <input checked="" type="checkbox"/> Proprietor <input type="checkbox"/> Corporation
* Business registration number	123-456-78900	* Date of birth (6 digits) / Corporation number	800808
* Business Address	[ ] [ ] - [ ] [ ] 1 Cheongwadae-ro, Jongno-gu, Seoul		
* Responsible for application	Department name	Name	Contact number
	Notification KakaoTalk	Hong Gil Dong	( ) 010-1234-5678
* Billing method	E-mail honggildong@google.com		
	Post main	[ ] [ ] - [ ] [ ] 1 Cheongwadae-ro, Jongno-gu, Seoul	
* Payment method	<input type="checkbox"/> OCR(Payment stub) <input checked="" type="checkbox"/> Bank auto-payment <input type="checkbox"/> Credit card <input checked="" type="checkbox"/> For bank auto-payment, please complete the attached "Automatic Transfer Application/Withdrawal Agreement" Bank auto-payment		
Bank auto-payment Or Credit card payment	Account holder	Hong Gil Dong (Sign Name)	Date of birth/business registration number
	Card issuer	Daehan Card	123-456-78900
	Card expiration date	Year: 2025 Month: 5	Credit card number 1234-5678-01234
		Relationship with the applicant	<input checked="" type="checkbox"/> Self <input type="checkbox"/> Other ( )
	<input checked="" type="checkbox"/> I agree to KCT withdrawing funds via the above account. (This must be checked for automatic payment)		

Business paper recognition that using standard OCR solution

Difficult to use OCR in business despite of recognized text, it is impossible to separating required information

<Result>  
customer name (company name) John Doe (The Company) customer type business number 123-456-78900 Date of birth (6 digits) / Corporation number 800808 business address ...



Develop GO AI OCR deep learning service (Understand structure and required information)

GO AI OCR Information extractor that using dedicated service

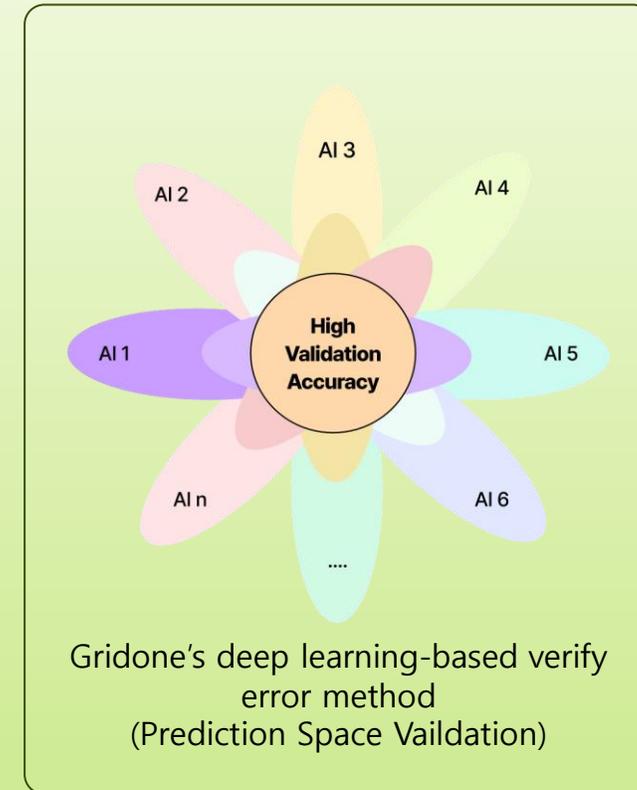
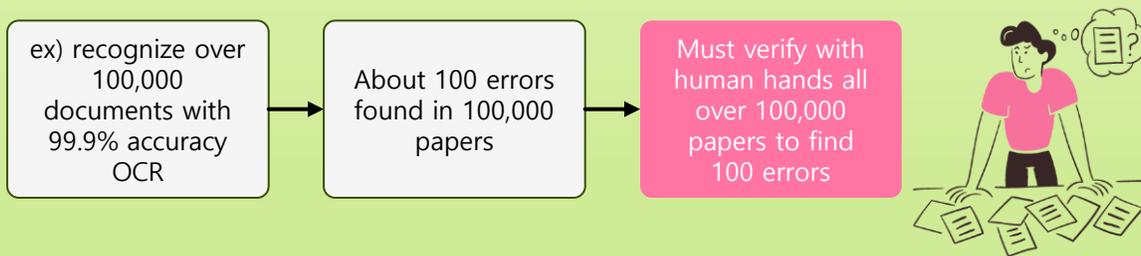
<Result>

1. Name (company) : John Doe (The Company)
2. Customer type : Sole proprietor
3. Business address : 1 Chungwadae-ro, Jongno-Gu, Seoul
4. Manager : Cecil Harrison, 010-1234-5678
5. Notifications : WhatsApp, Text, E-mail
6. Payment method : Auto-payment via bank
7. Bank payment info : John Doe, 123-456-78900

# A best way to find needle in a haystack, Automatic error recognition.

Even that can recognize over 100,000 papers with 99% accuracy, that makes human to verify one by one if that can not filter error result.

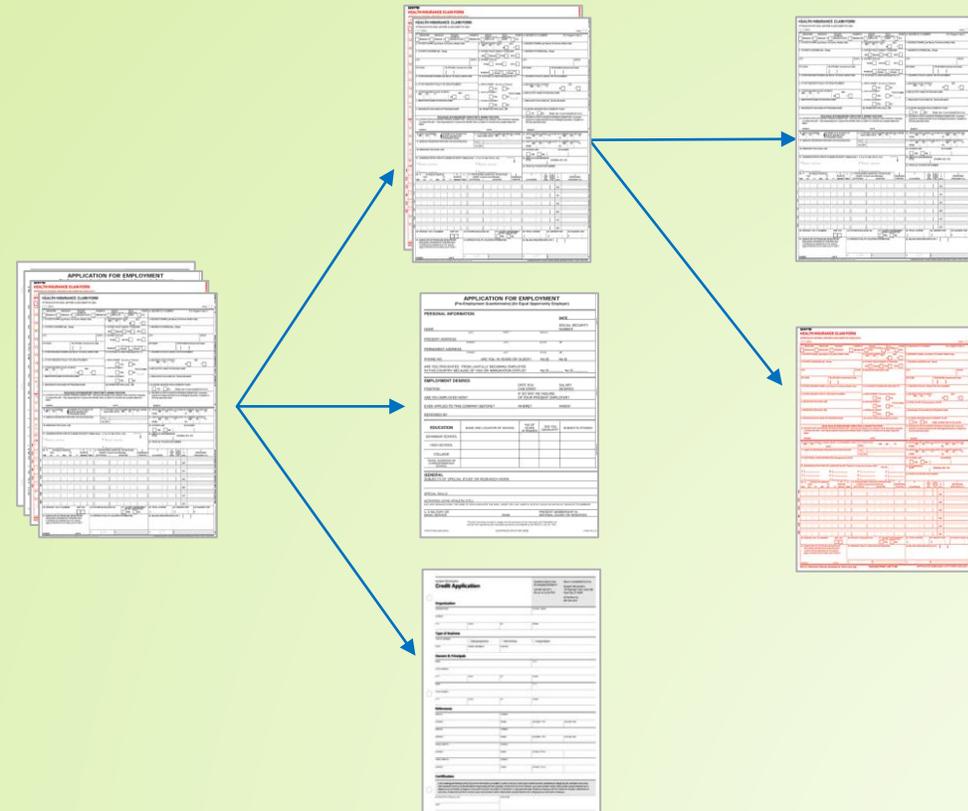
Now, verify only just filtered errors with [patented GO AI OCR's deep learning-based error classification technology](#).



# A tool for structured document processing

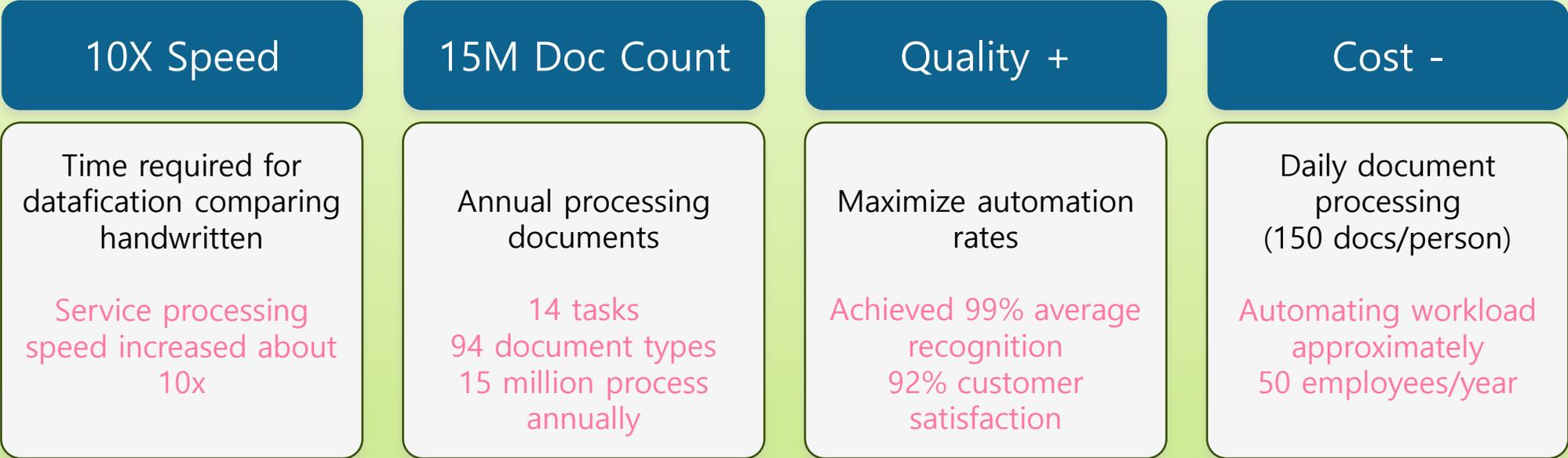
## Table Classifier/Detector

Table Classifier/Detector **automatically recognizes each type** based on the status of the document or format of the table and extracts data accordingly.



# Benefits of implementing GO AI OCR

Unstructured documents that have been digitized through AI OCR domain become important learning data for future AI, and will [play a crucial role in the company's AX \(AI Transformation\) transition.](#)

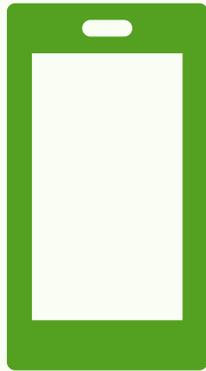


# Conclusion

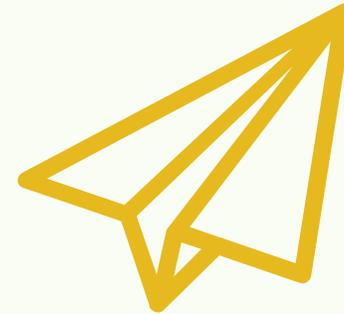
- ▶ GO AI OCR Solution revolutionizes document management and processing with its AI-driven capabilities.
- ▶ It enhances efficiency, transparency, and citizen satisfaction.

Let's redefine document management through AI today!

Enquiry



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