



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

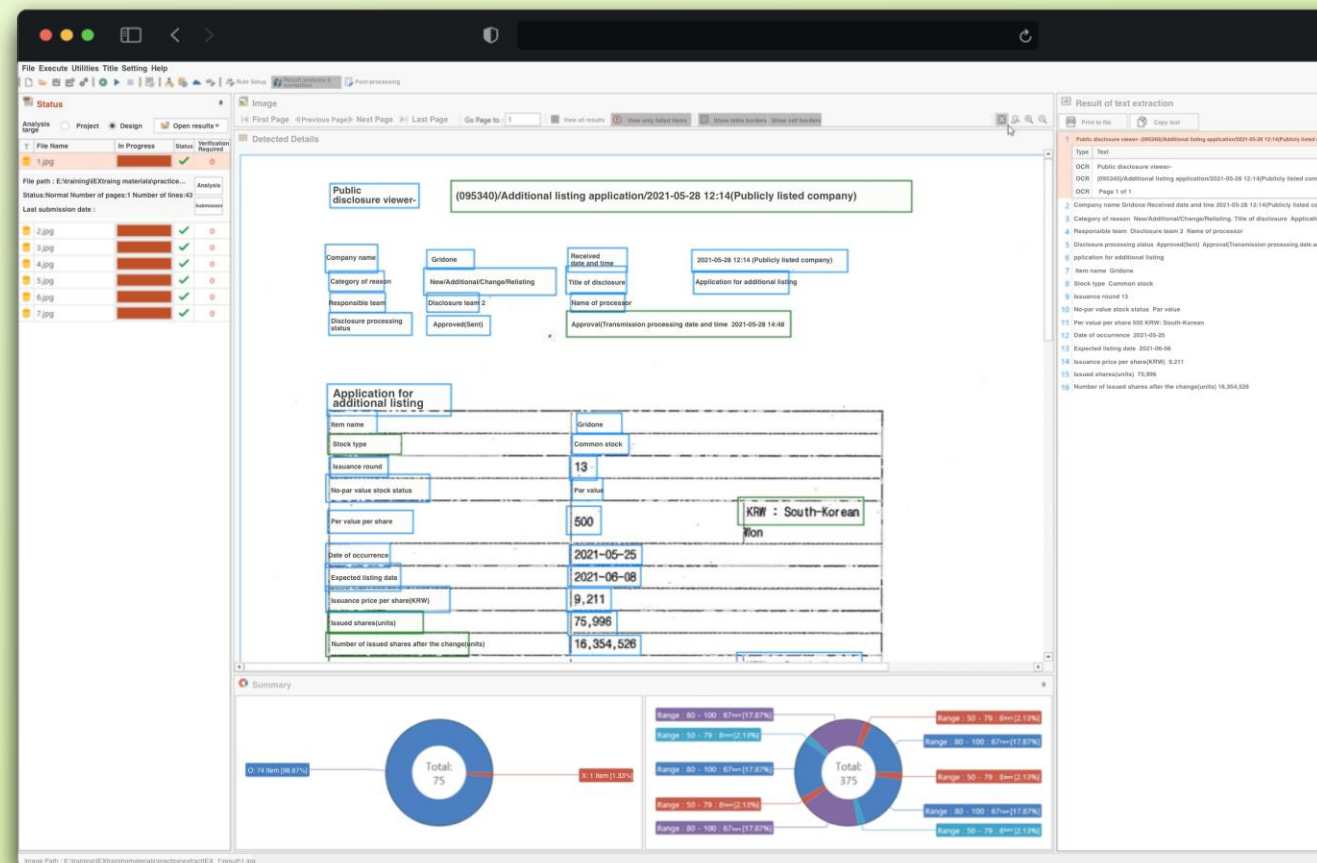
Gridone's GO AI OCR recognizes complex and various types of documents and utilizes deep learning capabilities to extract information and automate document processing tasks.

Standard OCR

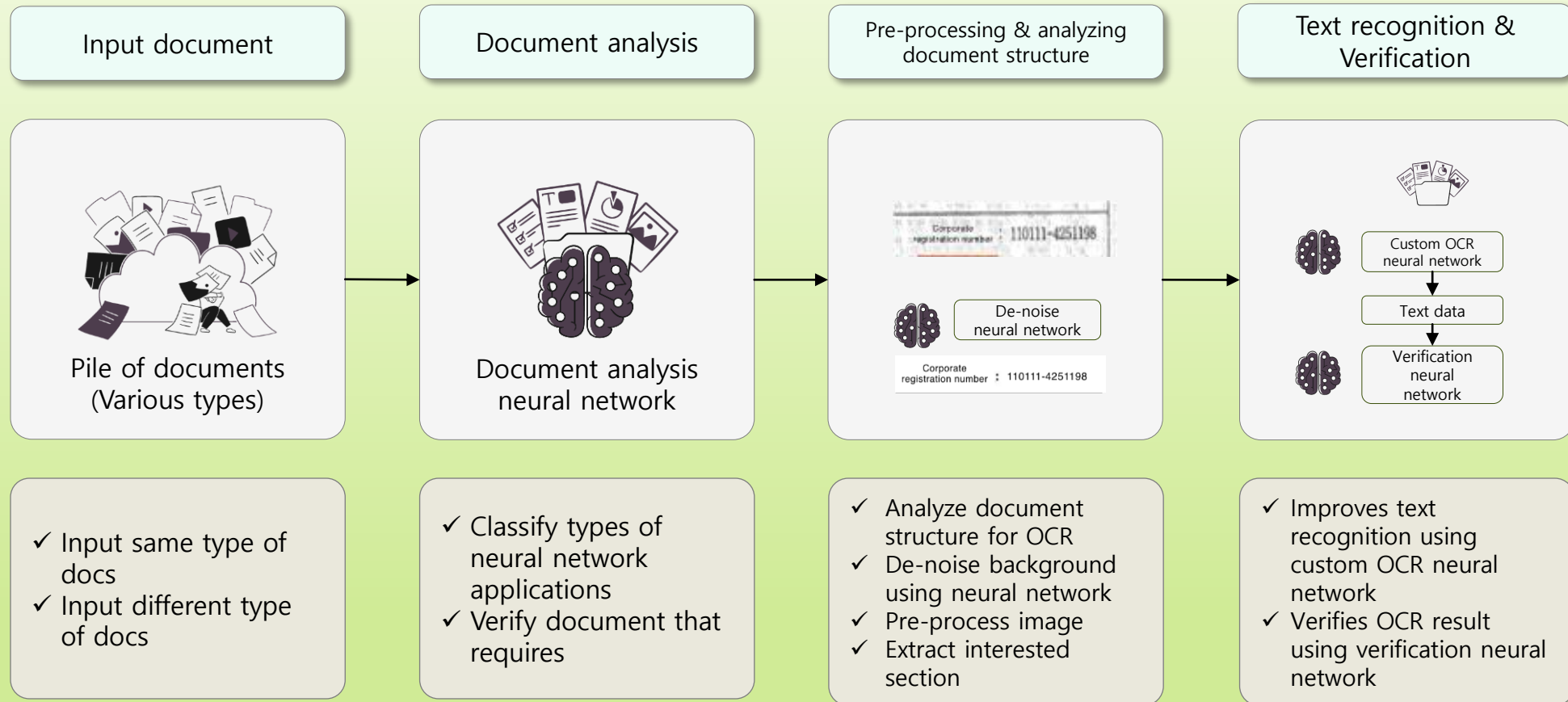
- Rule-based template text recognition
- Standard/fixed form/scale document processing
- Difficult to work with even minor format changes

AI OCR

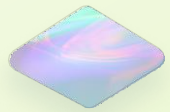
- AI deep learning-based document structure recognition
- Accuracy improves the more you use information extraction
- Extracts information separately that required mostly



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



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



3rd generation OCR

Clean Data : 99.81% / Noised Data: 99.17%



2nd generation OCR

Clean Data : 97.17% / Noised Data: 88.25%



1st generation OCR

Clean Data : 84.38% / Noised Data: 25.67%

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

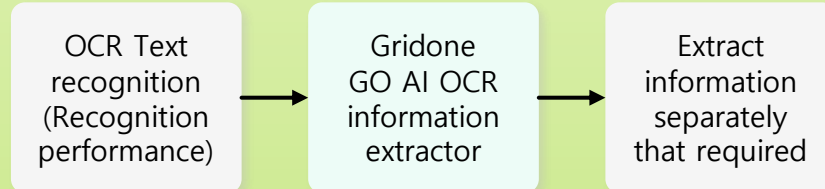


Information Extraction: more important than recognition performance.

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.



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

Information			
* Customer name (Business name)	Hong Gil Dong (Daehan Corporation)		
* Business registration number	123-456-78900	* Individual	<input type="checkbox"/> Sole <input checked="" type="checkbox"/> Proprietor <input type="checkbox"/> Corporation
* Business Address	1 Cheongwadae-ro, Jongno-gu, Seoul		
* Responsible for application	Department name : KakaoTalk	Name : Hong Gil Dong	Contact number : 010-1234-5678
* Billing method	<input checked="" type="checkbox"/> E-mail : honggildong@google.com		
* Payment method	<input type="checkbox"/> Post main <input type="checkbox"/> Bank auto-payment <input type="checkbox"/> Credit card		
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	123-456-78900
	Card issuer : Daehan Card	Credit card number	1234-5678-01234
	Card expiration date : Year 2025 Month 5	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)			

<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

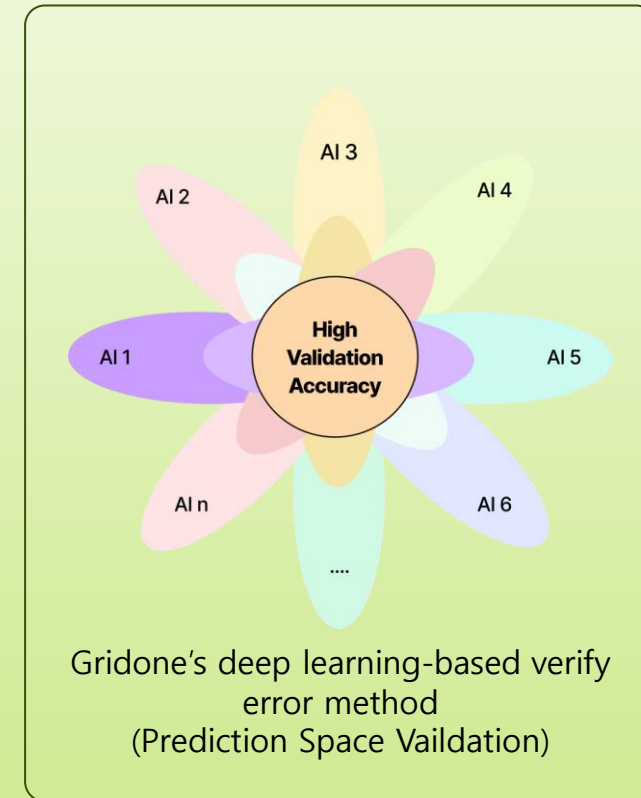
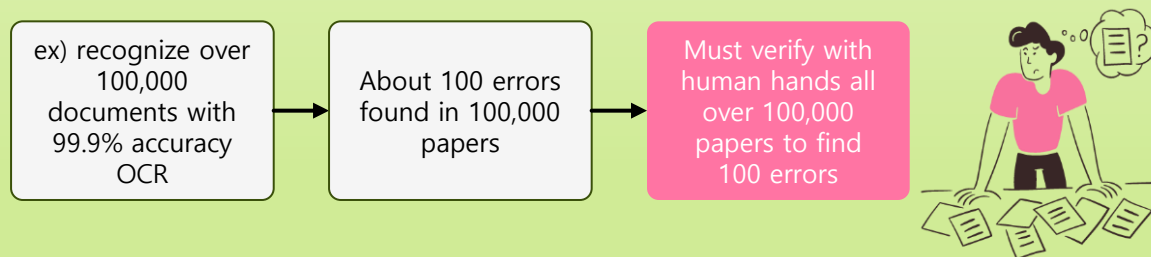
<Result>

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.

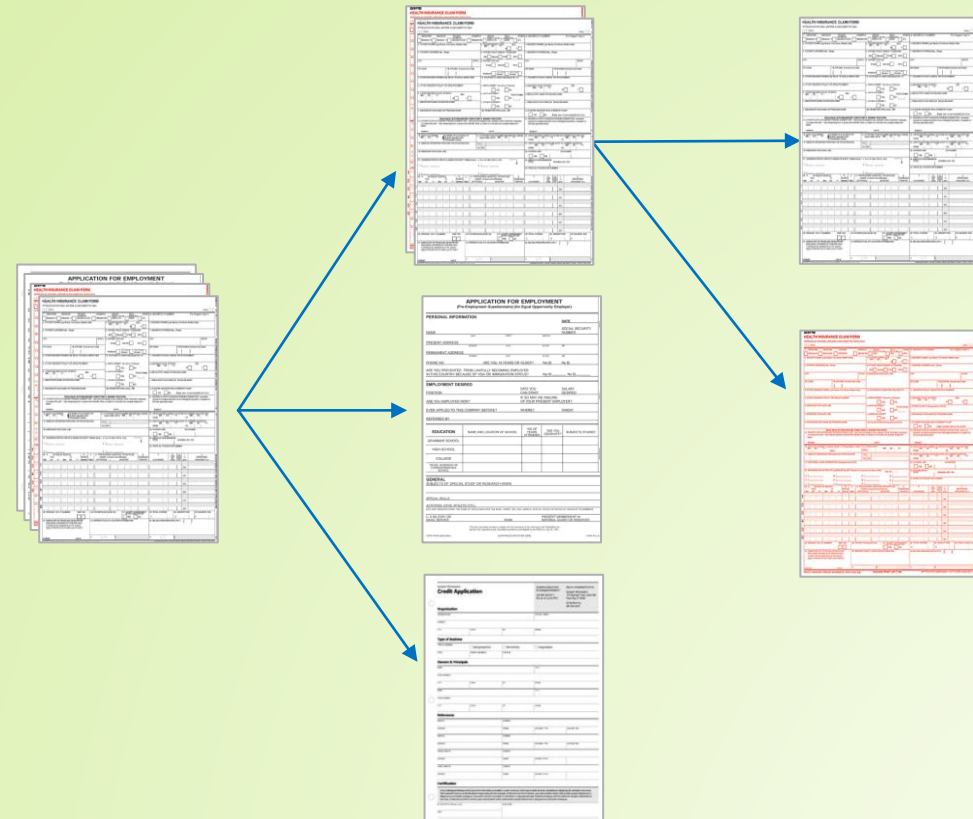
Now, verify only just filtered errors with **patented GO AI OCR's deep learning-based error classification technology**.



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.](#)

10X Speed

Time required for datafication comparing handwritten

Service processing speed increased about 10x

15M Doc Count

Annual processing documents

14 tasks
94 document types
15 million process annually

Quality +

Maximize automation rates

Achieved 99% average recognition
92% customer satisfaction

Cost -

Daily document processing (150 docs/person)

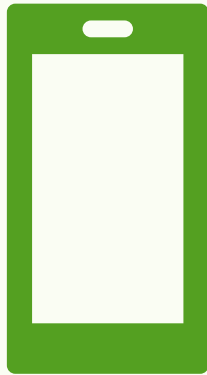
Automating workload approximately 50 employees/year

Conclusion

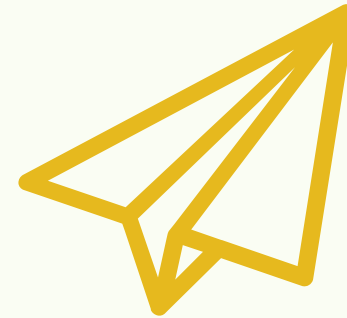
- ▶ GO AI OCR Solution revolutionizes document management and processing with its AI-driven capabilities.
- ▶ It enhances efficiency, transparency, and citizen satisfaction.

Let's redefine document management through AI today!

Enquiry



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