

Offline to Online



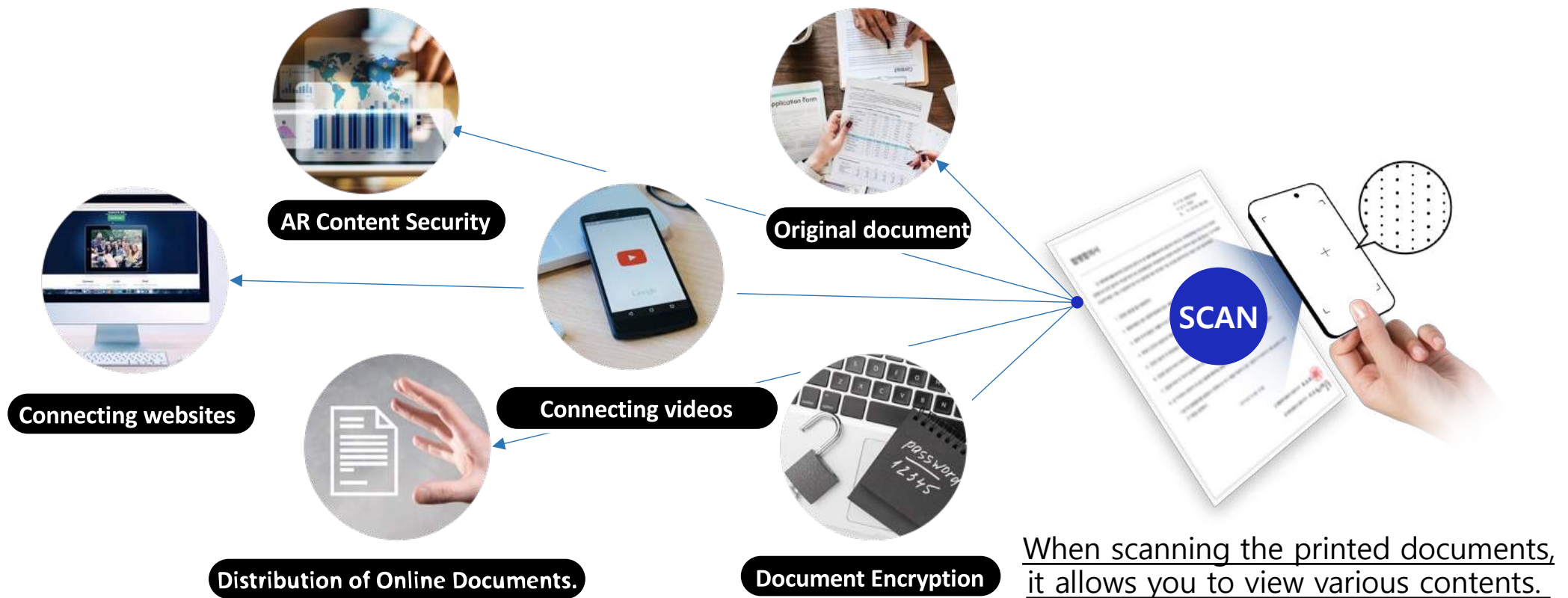
Product Introduction/Proposal



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1. Smart Paper Introduction
 2. Application Method of Smart Paper
 3. Smart Paper Technology Principles/Advantages/Specifications
 4. Company Profile
-

1. Smart Paper Introduction

What is Smart Paper?



?

**SMART
PAPER**



[Paper]

+



[Agent]

Printing with Smart Paper, an installed **agent** inserts an invisible smart code onto the printed document.

When scanning the printed document with a mobile app, it shows various online content on paper!

* After purchasing the Smart Paper, register product no. by scanning QR code attached Smart Paper box for printing.

Smart Paper Introduction Movie

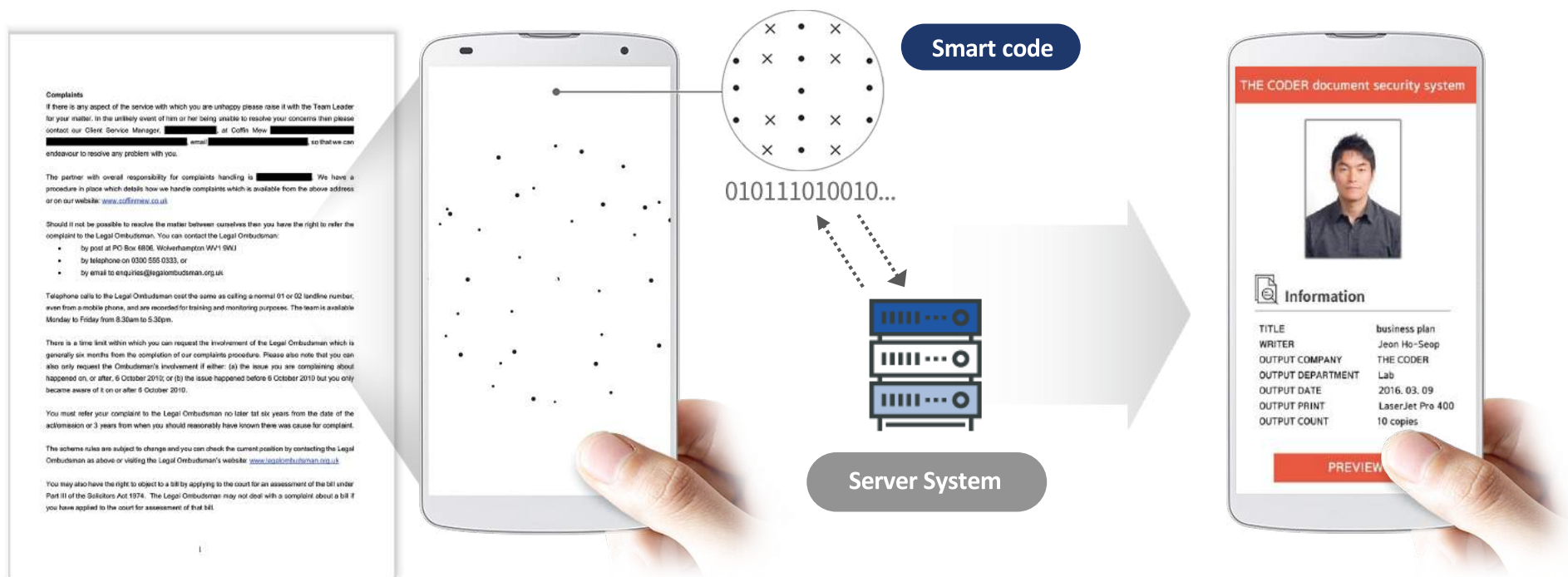
Youtube Link

<https://youtu.be/BVDjcC7LTDk>



Document Tracking through Smart Paper

- ✓ When printing from a device with the smart paper agent installed, the printer's details are included in the printed material.
- ✓ The agent inserts a smart code (pattern of small dots) into the document being printed and stores the corresponding printer information mapped to this smart code on the server during the printing process.
- ✓ When scanning a document, printed with a smart paper mobile app, the printer's information can be verified.
- ✓ If a secured document is leaked externally, tracking of the document becomes possible through Smart Paper by verifying printer's details.



[Document printed with Smart paper] [Scanning with Smart paper App]

[Code Extraction/ mapping]

[Document Printer verification]

Comparison of original document through Smart Paper

- ✓ When scanning printed material made with smart paper through the app, it provides the original content (document)
 - ✓ If the printed material printed by the smart paper is counterfeited, it is possible to compare it with the original by scanning it.
- If there are any discrepancies after comparing with the original, it is then considered to be a counterfeited document. .

[Original Document]

The original document is a test report from SGS Textile Laboratory. It includes a table for 'Reduction (R)%' with a value of <35.7. A red box highlights this table. A smartphone is shown scanning the document, with a red 'SCAN' button on the screen. The scan result is displayed on the right, showing the same information as the original document.

Information is the same

Original

Test Group	CFU/specimen	Reduction (R)%
Control test at 10° hr (C)	1.5*10 ⁶	
Control test at 24° hr (B)	1.4*10 ⁶	
Treated test at 24° hr (A)	<100	<35.7

[Counterfeited document]

The counterfeited document is a test report from SGS Textile Laboratory. It includes a table for 'Reduction (R)%' with a value of >99.9. A red box highlights this table. A smartphone is shown scanning the document, with a red 'SCAN' button on the screen. The scan result is displayed on the right, showing the same information as the original document.

Information is different

Counterfeited

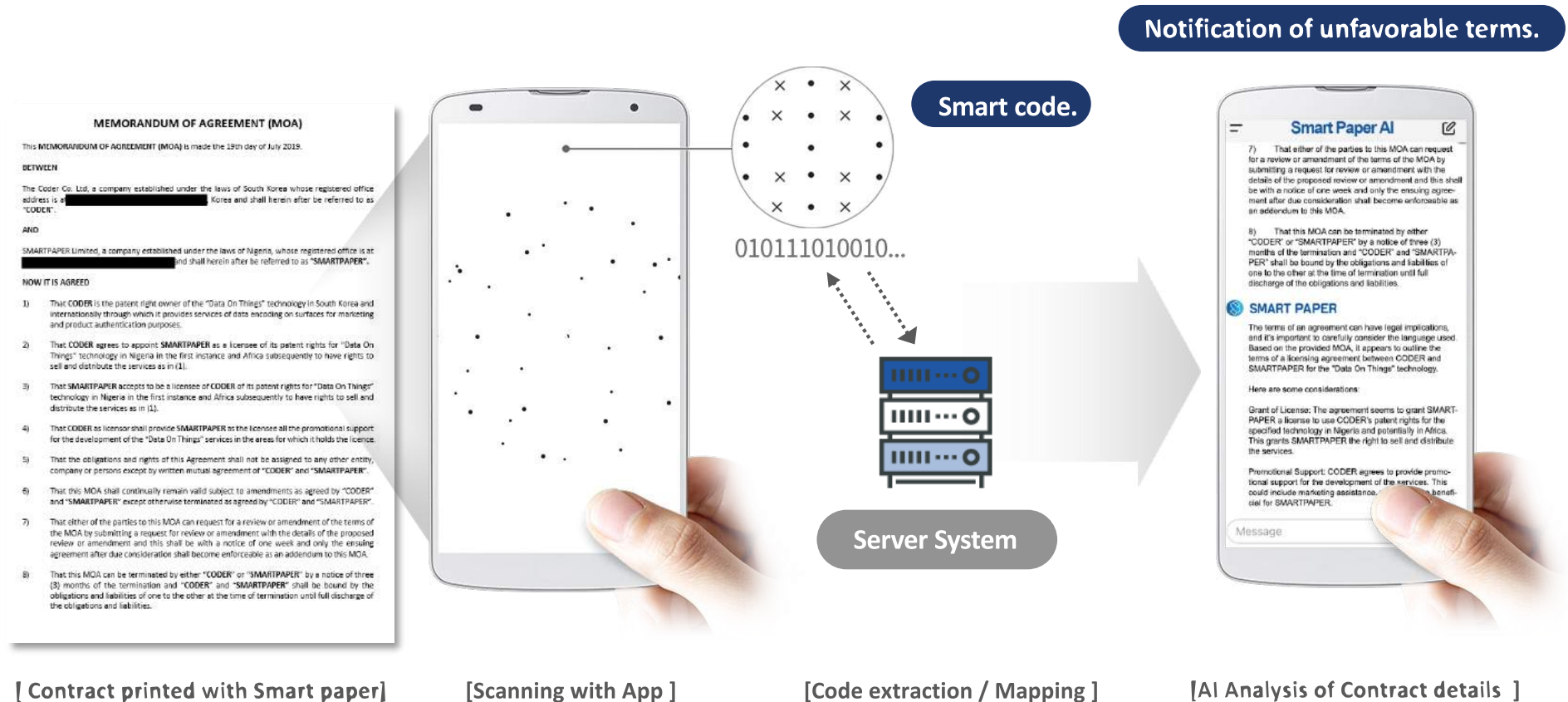
Test Group	CFU/specimen	Reduction (R)%
Control test at 10° hr (C)	1.5*10 ⁶	
Control test at 24° hr (B)	1.4*10 ⁶	
Treated test at 24° hr (A)	<100	>99.9

AI Document Analysis through Smart Paper

- ✓ When scanning printed materials with the Smart Paper app, it analyzes the document to provide additional information.
- ✓ Analyzing the document using AI to provide summaries, contract conditions, and other information found within the document.

Ex> Contract: Provide an analysis of clauses that are unfavorable to the contractor.

IR Document /Financial Statement : Provide a description of the company and its financial structure

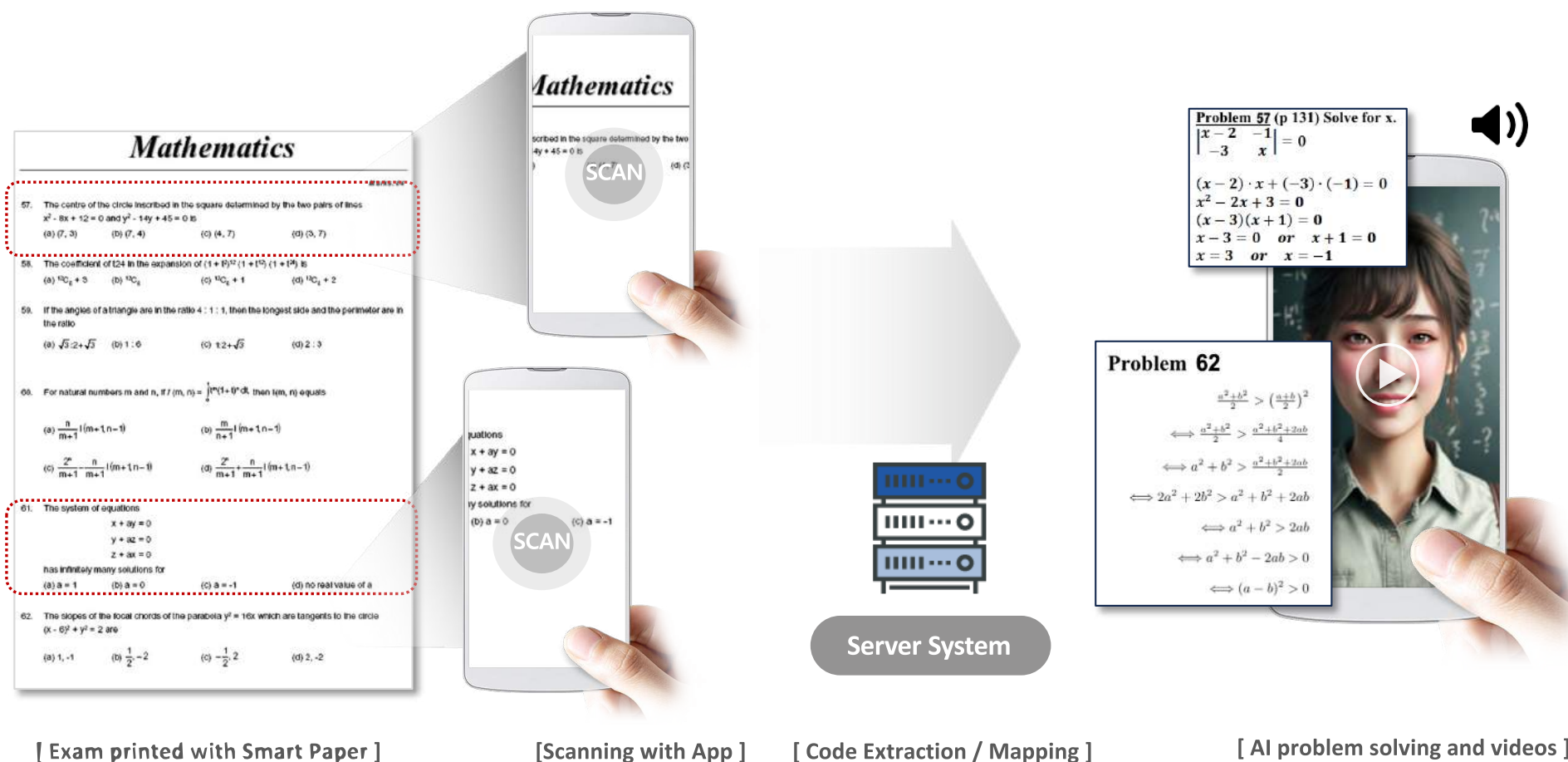


* Provided in Smart Paper 2.0

Linking multiple contents through Smart Paper

- ✓ When printed with smart paper, possible to map and print different content for each area of the printed document.
- ✓ Mapping content for each specific area of the printed document which allows multiple contents to be included in a single print out.

Ex> Exam paper: It is possible to connect videos to solve each questions and to print them out



* Adapting different smart codes per section

* Provided in Smart Paper 2.0

2. Application Method of Smart Paper

Application Method of Smart Paper



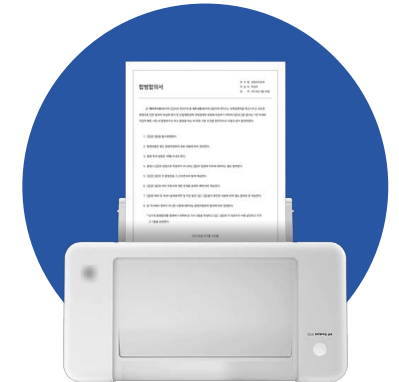
- ✓ Purchase smart paper copy sheets from the online store (www.smartpaper.global)
- ✓ Scan the product number (QR code) attached on the purchased copy sheets to register a printing allowance of 2,500 sheets
- ✓ Download and install the agent from the Smart Paper website (www.smartpaper.global)
- ✓ When printing the purchased QTYS of 2,500 sheets, smart codes will be inserted when printed.

Register product no. by scanning QR code attached Smart Paper box for printing.

- 1**
Purchase smart paper copy sheets
- 2**
Register the product number of the purchased sheets
- 3**
Download and install the agent
- 4**
Print from the PC where the agent is installed



Printed material with smart codes inserted.



Print document



<https://www.smartpaper.global>

Application method of Smart Paper - Install Agent



Download the smart paper Agent

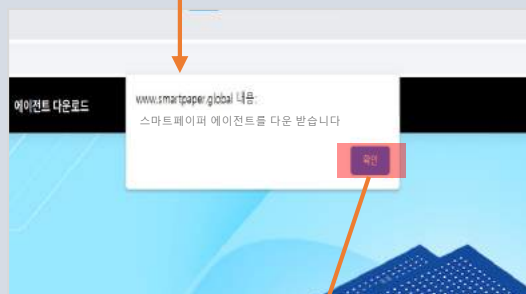


① www.smartpaper.global

After accessing the website, download the agent at the top of the menu
(Login required)

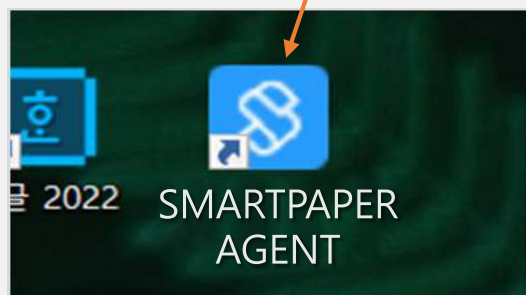


Smart Paper Web



② Download the agent and install it.

(Set the designated location first and then download it.)



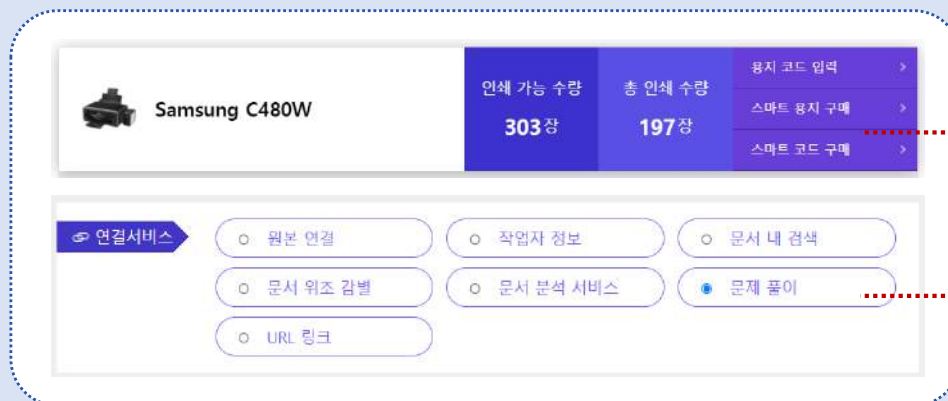
③ After installing the agent, check your desktop for the shortcut icon to run the agent. After running that icon, proceed with the login.

Application method of Smart Paper - Print Document

- ✓ When printing in the same manner as usual for document programs (office, Hangul, PDF, etc),
the agent automatically print the smart codes as well.
- ✓ To change the content on the printed documents, you can start the agent and input the desired content.



Agent's Main Functions



Available print quantity for smart paper and additional purchases.

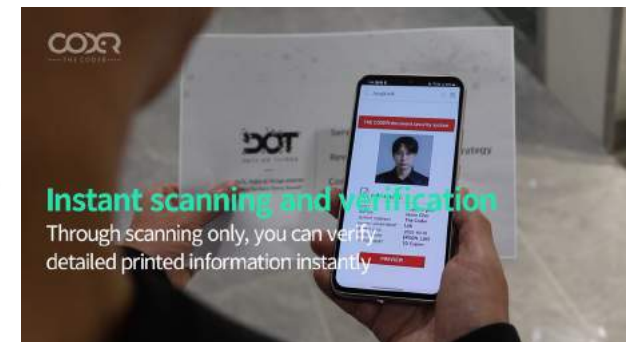
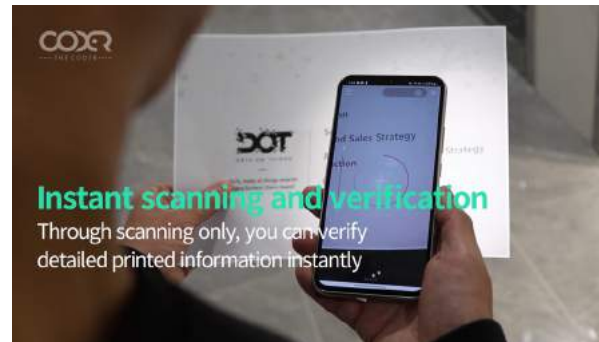
When printing, select the content that will be applied.
Ex> Link to the original, printer information, external URL linking etc.

Application Method of Smart Paper - Usage of Smart paper App

✓ To view online content embedded in the printed material, use the Smart Paper app.



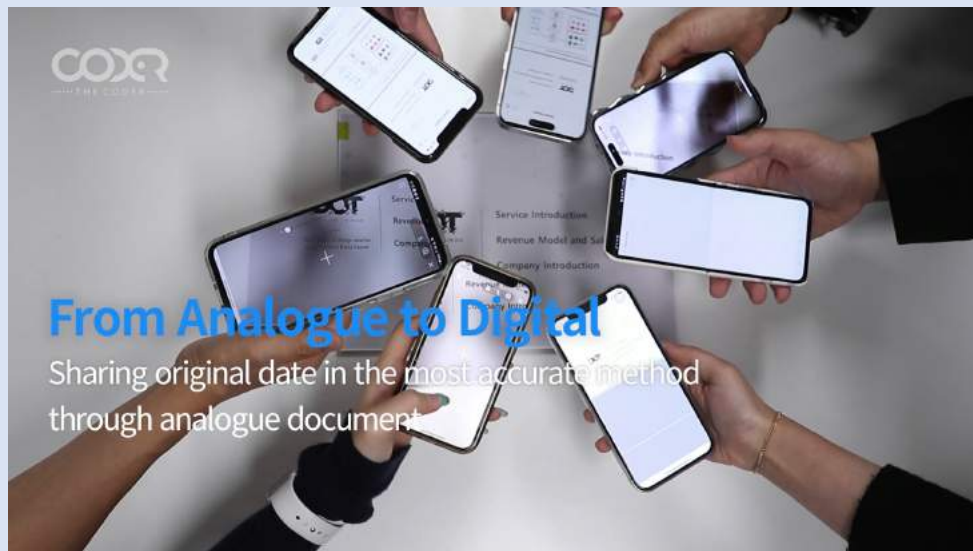
Download QR



[Download Smart paper App]

[Scan the printed material with the smart paper App]

[Verify the content linked to the printed material]



Document tracking

Identifying the printer and source of a proposal requiring security level.



Digitization of Physical documents

Easy distribution of documents during meetings and conferences.



Linking video contents.

Utilizing video content for expansion, learning, and entertainment purposes.



Connecting Sites.

Utilizing secondary marketing and brand promotion.

Application Method of Smart Paper – Smart Code Management

Possible to manage usage rights (Total quantity, purchased history) after purchasing the smart paper.

Smart Paper Quantity Management

7,250PCS

30 sheets printed

7,220 pcs

스마트코드 충전내역

스마트코드를 충전하고 보유 잔량 및 거래내역을 조회하실 수 있습니다.

⑤ (주)더코더님이 보유하신 스마트코드는 7,220 개 입니다

조회기간: 2023-09-07 ~ 2023-12-07 (3개월, 6개월, 12개월, 2019년 6월 15일 이전 내역)

거래유형: 거래원본, 전체

총 1,439건 (거래원본 7,850건, 스마트코드 등록 금액 상세 내역만 가능함)

거래일시	거래유형	내용/비고	충전비용	충전 코드	결제수단	충전서명
2023-12-07 14:21	사용	BIZ OPEAPI 주문 주문번호: 2023120717177	-24,900 원	12,500개		
2023-12-07 13:48	사용	BIZ OPEAPI 주문 주문번호: 2023120702861	-24,900 원	10,000개		
2023-12-07 13:38	사용	BIZ OPEAPI 주문 주문번호: 2023120701800	-24,900 원	7,500개		

[“My Information” in Smart Paper site after logging]



Smart code charging and management method

1



When purchasing smart paper Online/Offline, recharge by scanning the authentication sticker (QR Code)

2

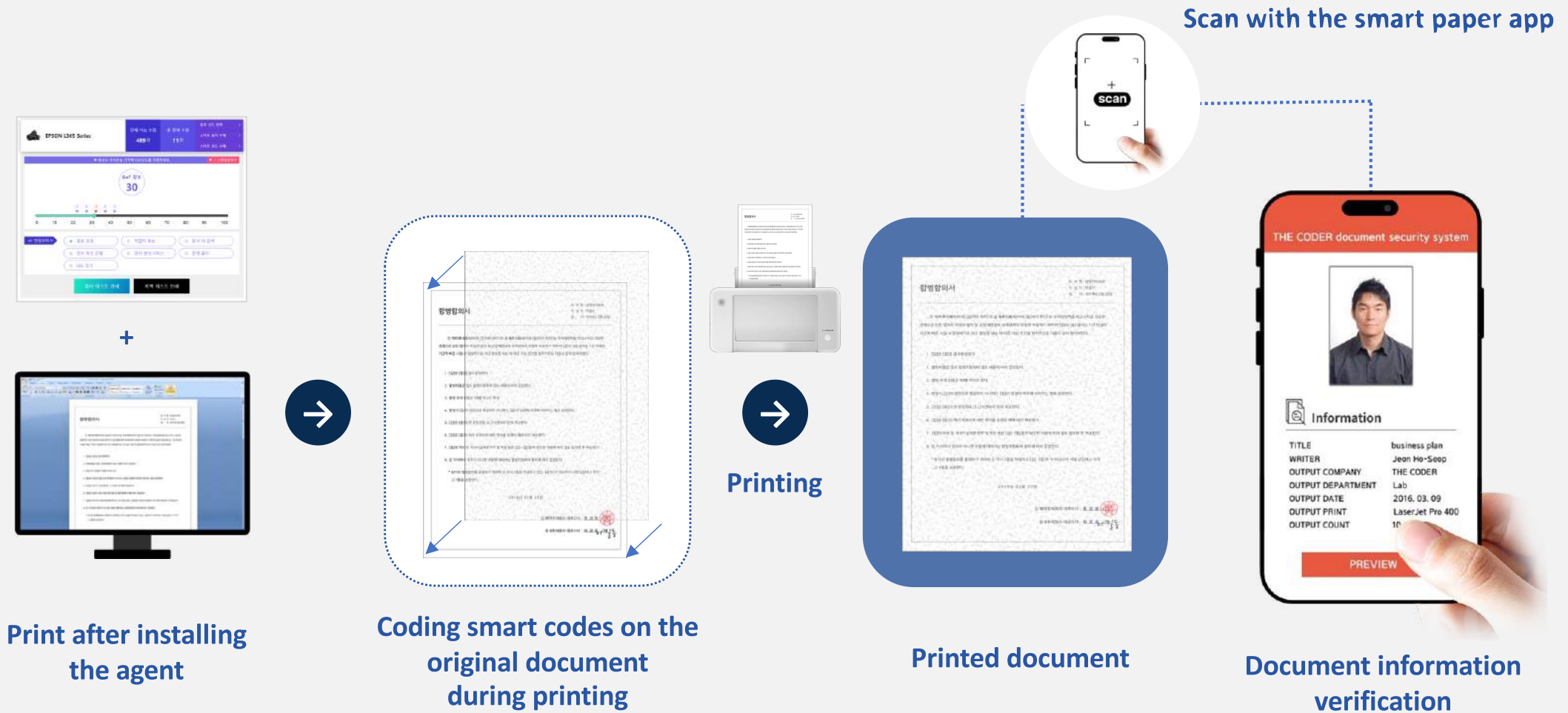


Charge by scanning the QR code on the smart paper gift voucher.

- When scanning the registration QR code for codes purchased with smart paper, the quantity is automatically registered.
- Paper gift vouchers that can be used for smart code charge, when scanned, it will automatically be registered.
- Detailed purchased items and the remaining codes quantity can be checked.

3. Smart Paper Technology Principles/Advantages/Specifications

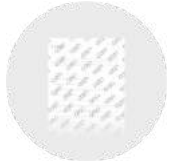
Technical Principles of Smart Paper



D.o.T
(Data on Things)

D.o.T Technology that applies invisible Smart codes to the surface of objects, allowing the extraction of Smart Codes even when copied to verify information.

Advantages



Watermark method

Overlapping the text with a watermarking method causing it to reduce readability.



Invisible Code

Due to the codes being invisible, there is no degradation for main text readability



Additional special equipment

In security, additional equipment incurs extra cost



Special Equipment X

Fully implemented in software for simple installation & no additional costs



Only Printing

A function as a copied paper simply only for printing purposes



Even Printing + Price Competitiveness

With the same price range, it offers economic benefits, with printing and the utilization of contents



Paper = Paper

No other special features / actions needed other than document printing



Paper = Digitalization

Enhancing operational efficiency through the digitalization of documents.

4. The Coder Introduction

Company Profile

A company that grants codes on all objects which provides
a smart and secure innovative service

Company Name	The Coder Co.,Ltd
CEO	Haengwoon Park
Established Date	August 17 th , 2016
Capital	4,413 Million Won (Based on 2022)
Number of Employees	30 employees
Main Business	Service, wholesale, IT/Software development
Location	Headquarters : 203, 1 Dong, Unjeong 4 gil, Paju-si, Gyeonggi do, South Korea Branch : 1203, Dongsong-ro, Deogyang-gu, Goyang-si, Gyeonggi-do, South Korea
Homepage	www.thecoder.co.kr

" Creating new values that don't exist in the world,
Development of a technology that no one dare dream of
Standing at the top of smart! "



Thank You!



The Coder

Web. www.smartpaper.global

e-mail. smartpaper@thecoder.co.kr