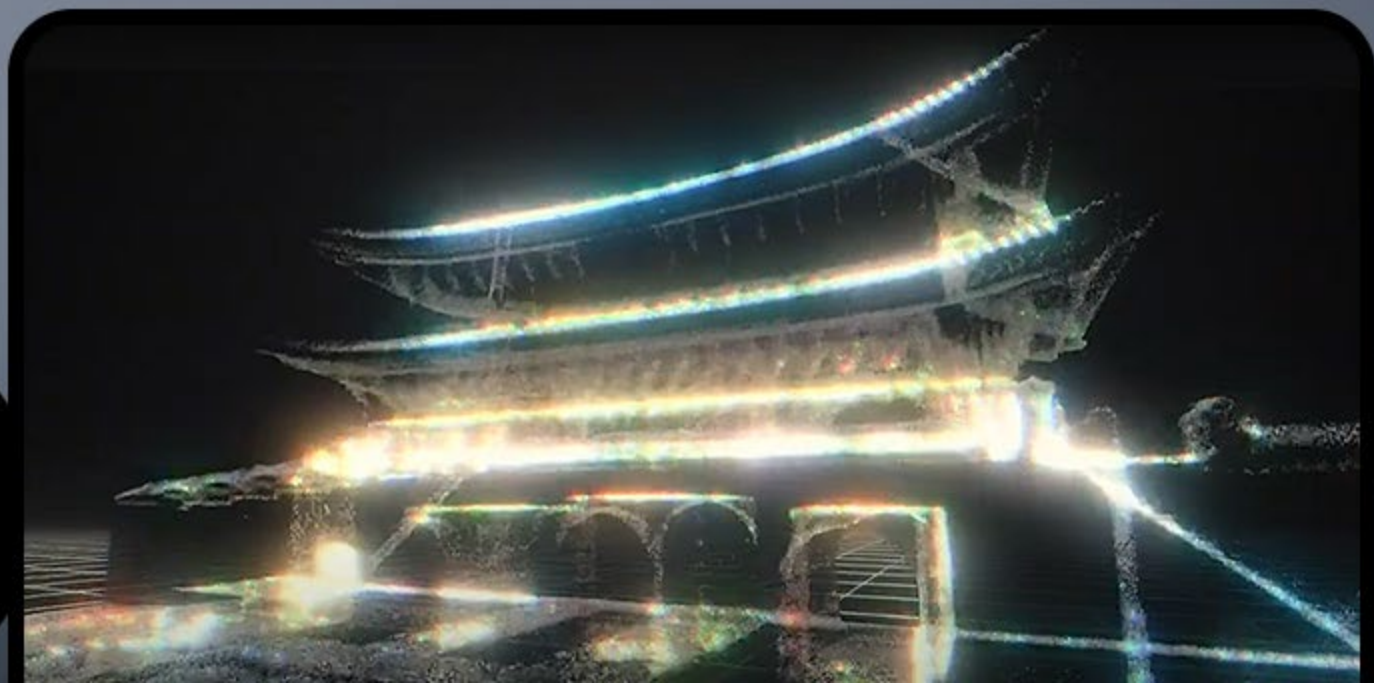


DIGITAL VALUE SERVICE COMPANY

About the Company





Company Introduction

About PCN · Business · Why PCN?
Clients · Awards · Project List

Digital Value Creator

About PCN

PCN is a digital value service provider that supports its clients' success in the digital environment based on knowledge, experience, and network.



COMPANY NAME: **PCN Inc.**

CEO: **SONG GWANG-HEON**

- Business SI (System Integration), SM (System Management), Consulting, Solution Bix, Mobile, etc.
- Address PCN Building, 146 Hakdong-ro, Gangnam-gu, Seoul
- Establishment December 1999
- No. of employees 210
- Telephone 02) 565 - 7740
- FAX 02) 565 - 7790
- URL www.pcninc.co.kr
- E-mail master@pcninc.co.kr

MISSION

We are proud to better the world by helping our clients succeed

VALUE

Customer inspiration
Employee satisfaction
value creation

VISION

No.1 Digital Value Service Company

Footsteps for 23 years

The Company has continued to grow for 20 years under the vision of 'value creation in the digital world.' Since the foundation of KoreaNet, the predecessor of PCN, in 1999, it has enhanced its status by acquiring various patents and certifications.

- **2023**
 - JUN** · OASIS solution won public sector SW Award
 - MAY** · Selected as a small but strong business by the Ministry of Employment and Labor
- **2022**
 - DEC** · Received the Minister of Culture, Sports and Tourism Award at the Korea Digital Management Innovation Awards
 - OCT** · Won the Red Dot Design Award in the brand communication category
 - AUG** · Relocated to new PCN headquarters (PCN Building, 146 Hakdong-ro)
 - JAN** · Opened Gallery Art Insight
- **2021**
 - DEC** · Prime Minister's Commendation (Software Industry Promotion and Development)
 - Commendation from the Minister of the Interior and Security (Informatization Development)
 - NOV** · Won the grand prize at the 6th 3D Printing BIZCON Contest (Cultural Heritage Administration)
 - Commendation from the Minister of the Interior and Security (promotion of government form)
 - SEP** · PCN headquarters relocated to PCN building (33 Eonju-ro 135-gil)
 - JAN** · E-SEARCH v1.0 acquired GS certification level 1
- **2020**
 - JUN** · Certified as a family-friendly company by the Ministry of Gender Equality and Family
 - Selected as a Good Small Business to Work for by the Korea Chamber of Commerce and Industry
 - FEB** · Kiss OASIS v1.2 obtained GS certification level 1
- **2019**
 - APR** · Applied for a patent for RDF triple data-based intelligent search system and method
 - MAR** · Applied for a patent for ontology-based search service system and method
- **2018**
 - JUL** · Patent applied for resource management method and system for disaster recovery
 - MAY** · Patent applied for a digital chronological table display system to support traditional culture convergence.
- **2016**
 - SEP** · Won the Encouragement Award at the Work-Study Parallel System Contest (Human Resources Development Service of Korea)
- **2015**
 - NOV** · Commendation from the Minister of Science, ICT and Future Planning
 - AUG** · Acquired information and communication construction business
- **2013**
 - NOV** · Patent applied for open API-based content service interface provision system and method
 - AUG** · Forensic-based image forgery and tampering prevention system invisibleCode acquired GS certification
- **2011**
 - AUG** · Joined the Korea Information Industry Cooperative as a member
 - JUL** · Confirmed as a technologically innovative small and medium-sized business (INNO-BIZ)
 - JUN** · Company name changed to PCN Inc.
 - APR** · Post Korea Net affiliated research institute obtained ISO 9001:2008 certification
- **2010**
 - NOV** · Established an affiliated research center at Post Korea Net Co., Ltd.
 - AUG** · Joined the Software Mutual Aid Association (investment)
 - JUN** · Received venture business verification certification
- **2008**
 - APR** · Reported as a software business operator
 - MAR** · Certified as the best digital agency by the 2008 Web Awards Committee
- **2004**
 - OCT** · Developed online shopping mall solution PCNShop V 1.0
- **2002**
 - APR** · Patent application for 'Hospital automation service system using online' (Application number 10-2004-0051772)
- **2001**
 - MAY** · Incorporated Post Korea Net Co., Ltd.
- **1999**
 - DEC** · Established Korea Net

Financial status for the past three years

About PCN

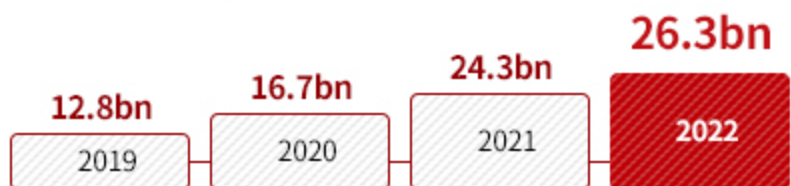
As an online business partner for various companies and organizations, PCN has steadily grown along with its customers.

Key financials

(UNIT: KRW 1,000)

Account		FY2020	FY2021	FY2022
Capital		360,000	360,000	446,402
Revenue	SW Division	16,720,292	24,363,318	26,398,662
	HW Division	-	-	-
	Sum	16,720,292	24,363,318	26,398,662
Total Assets		8,273,428	21,874,537	38,811,657
Total Capital		4,692,389	6,061,616	14,447,991
Current Liabilities		3,522,868	4,996,975	9,358,240
Fixed Liabilities		58,170	10,815,945	15,005,426
Current Assets		2,938,694	2,791,006	7,761,110
Net Profit		631,458	3,163,928	1,312,895

Revenue growth (unit: KRW)



Credit rating

신용평가등급 확인서

(주)피씨엔 귀중

당사의 공공데이터 신용평가 서비스에 의해 평가된 귀하의 기업신용등급은 다음과 같습니다.

항목	내용
회사명	(주)피씨엔
대표자	송광현
법인등록번호 (주민등록번호)	110111-2233114
사업자등록번호	215-06-07972
주소	(06111) 서울특별시 강남구 테헤란로 146, pcn빌딩 (준현동)
재무결산기간	2022년 12월 31일
등급평가일	2023년 04월 05일
등급유효기간	2024년 04월 04일 까지
제출처 및 용도	조달청 및 공공기관제출용

평가등급

기업신용평가등급

e-5+

경영상태평가시 회사채등급에 준하는
기업신용평가등급

BB+

유의사항

- 상기 신용평가등급은 케이브레다블의 평가기준 및 절차에 따라 일정시점에서 평가대상 기업의 재무이행능력과 그 안정성을 평가한 것이며, 당해 기업의 재무이행능력과 성격의 의무이행을 보증하는 것은 아닙니다. 또한, 회사채, 기업어음 등의 유가증권 발행 용도로 평가된 신용평가등급과 다르게 해당 용도로 사용될 수 없습니다.
- 상기 신용평가등급은 당해 기업의 제출한 자료에 근거하여 평가한 것으로 입주의 참고용으로서 제공되는 것이며, 그 활용에 따른 판단 및 의사결정에 대하여 케이브레다블은 일체의 책임을 지지 않습니다.
- 상기 신용평가등급은 상기 등급평가일 현재 유효한 등급으로 등급평가일 이후 기업의 신용변동 사항은 반영되지 않습니다. 등급평가일 이후 기업의 신용변동 사유(회생, 대표자, 주주의 변경 등) 발생시 기업은 케이브레다블에 해당 내용을 통보, 재평가를 받아야 하며 케이브레다블은 기업의 신용상태에 중대한 변동이 있다고 판단될 경우 신용평가절차에 의해 신용평가등급을 변경 또는 취소할 수 있고 그 결과는 유가증권에 통보될 수 있습니다.
- 본 신용평가등급 확인서는 신용정보의 이용 및 보호에 관한 법률에 따른 기업신용회피방지법 적용의 것으로 케이브레다블의 동의없이 무단 복사, 인출(또는 재인출), 배포, 위 변조 및 외부 공시를 금합니다.
- 본 신용평가등급 확인서는 조달청, 지방자치단체, 공공기관의 기업 실사용 또는 여파의 입찰평가 심사용으로 이용됩니다.
- 본 기업신용평가등급 확인서에 대한 문의사항은 (주)케이브레다블(Tel: 02-2101-9100)로 연락하여 주시기 바랍니다.
- 신용평가등급에 대한 진위 확인은 (주)케이브레다블 신용평가홈페이지(www.credible.co.kr)에서 확인하실 수 있습니다.

공무번호 : KCSOR-2023-000168
발급일 : 2023년 04월 05일

주식회사 이크레더블
대표이사 이진욱

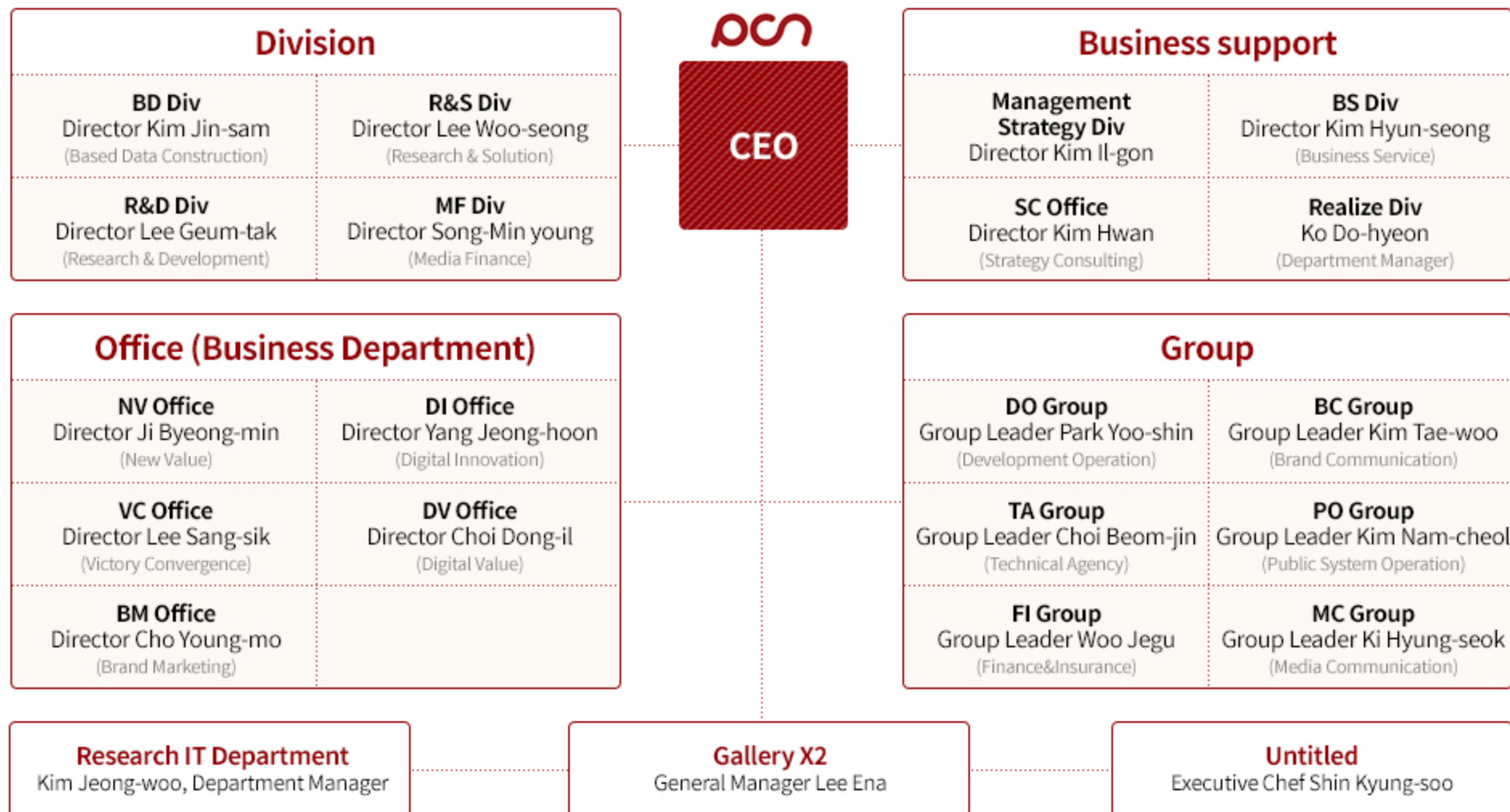
Credit rating agency

Credit rating
BB+Rating validity period
APRIL 4, 2024

An organizational structure that maximizes synergy

About PCN

It systematically comprises experts who can demonstrate their capabilities more effectively (business divisions for each project), creating the best business value in each field.



Specialists in each field

Specialists in each field with technical skills and know-how realize unique value as clients' business partners. Highly skilled personnel with a deep understanding of online business account for 60% of the total. The company comprises talented individuals with diverse professional skills, enabling the business to succeed.



Percentage of personnel above intermediate level

78%



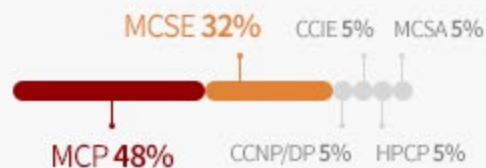
By HW Division

Diversity



By SW Division

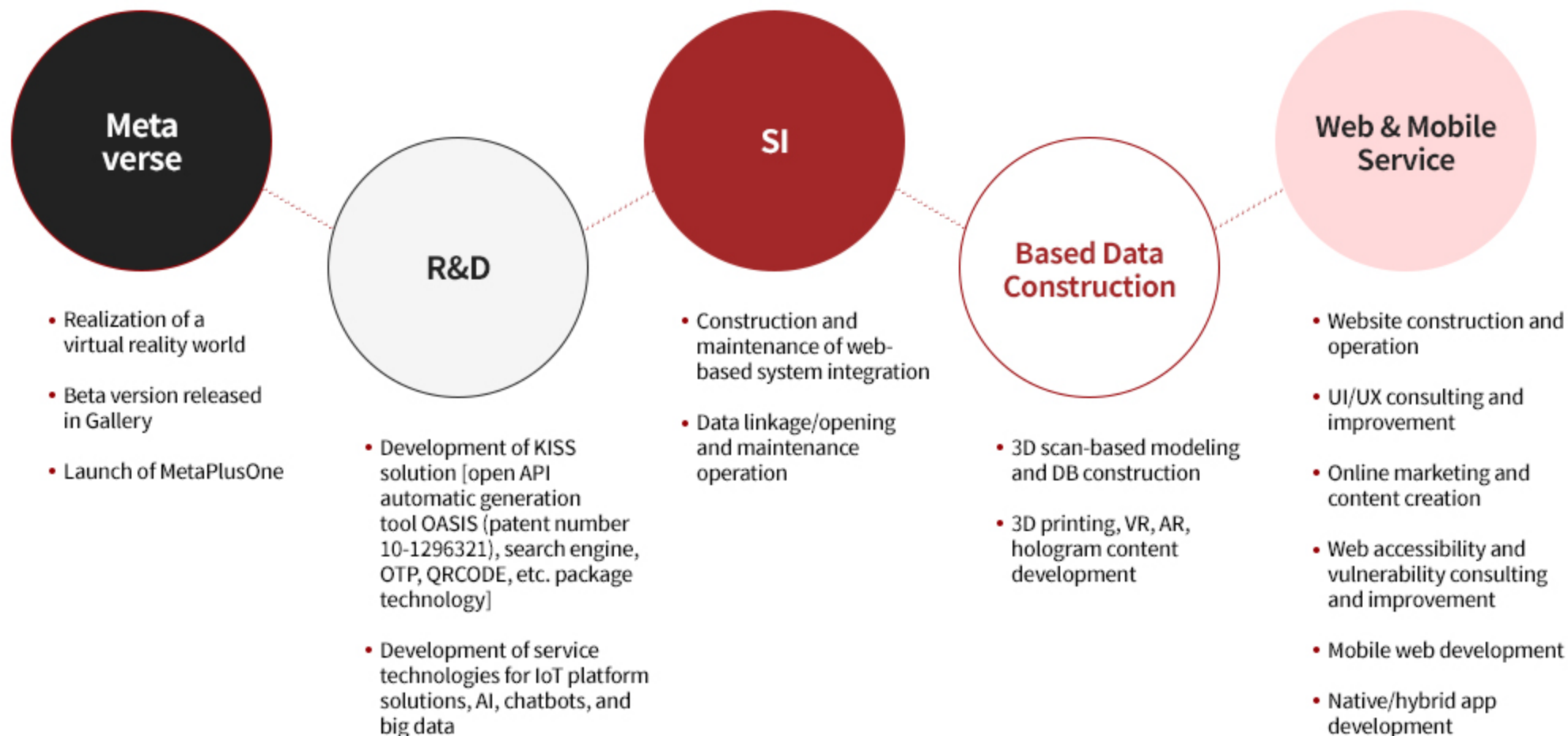
Professionalism



Differentiated Core Competencies · Business Area

Business

The company is one step ahead in the business environment with in-depth digital integrated services ranging from web & mobile services to SI, based data construction, security, and R&D.



Technology proven through patents and certifications

Why PCN?

The company is recognized for its industry-leading IT technology and know-how through OASIS patent applications and software quality certification.



KISS OASIS GS certification (Level 1)
(March 2020)

As an Open API automation and API service management tool, it produces 93 million public data from 96 domestic institutions.



PCN E-Search GS certification (1등급)
(January 2021)

A search engine that supports various types of source data and natural language searches on large amounts of data.



RDF triple data-based intelligent search system and method
(April 2019)

RDF triple data-based search service system that can easily identify relationships between search keywords and shorten analysis time



Ontology-based search service system and method
(March 2019)

An ontology-based search service system that searches for search keywords in a data list and expresses their relationships in a network graph.



Resource management methods and systems for disaster recovery
(July 2018)

A system to reduce damage recovery time through real-time status of recovery resources by linking the damage recovery decision-making support system and recovery resource mobile app



Digital chronological table display system for traditional culture convergence resources
(May 2018)

A system that automatically displays digital chronology and provides systematic classification and search functions



Acquired patent for Korea's only Open API-based content service interface provision system (OASIS)
(June 2013)

93 million pieces of public data produced by 96 domestic institutions



Venture Company Confirmation



ISO9001:2015 Quality Management System



Technologically innovative SME INNO-BIZ

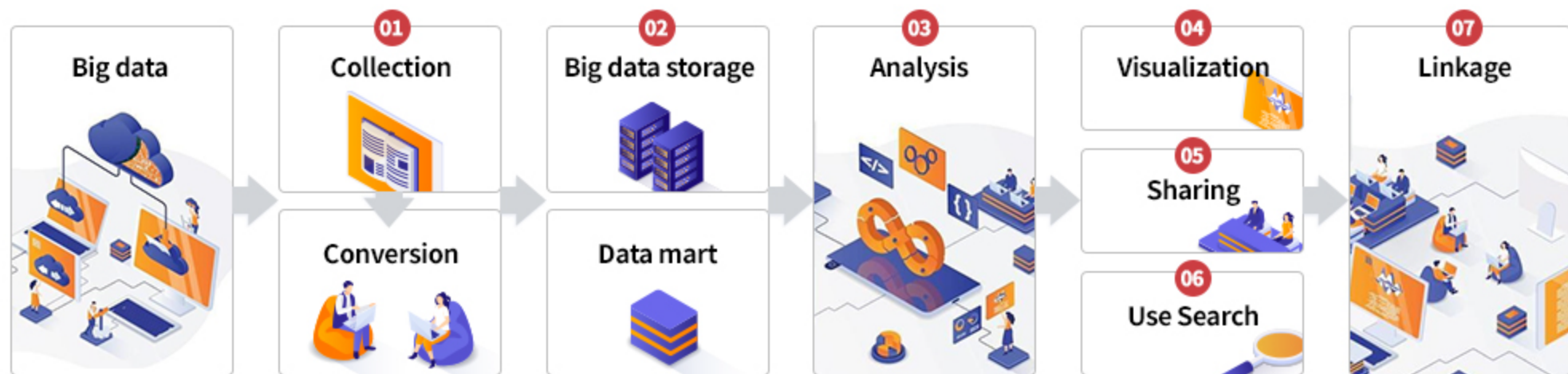


ISO45001:2018

Conducting in-house R&D for solution development, etc.

Why PCN?

Through consistent investment and research efforts, the PCN corporate research center has developed a Java-based solution with excellent flexibility, efficiency, platform portability, and security. The company provides solutions that provide optimal customized functions required in the data life cycle, from data or big data-related data collection to pre-processing and conversion, storage, and sharing.



OASIS-X

Data collection/management

01 02

PCN E-Search

Data Search/Use

03 06

OASIS DataMap

Data similarity analysis

03 04

OASIS TrendData

Data trend analysis

03 04

OASIS

API creation and data sharing

05

OASIS APIM

API linkage management

07



OASIS

Why PCN?

An Open API automation solution that converts data stored in the DB into various types of Open API and provides an environment to distribute and service it.

OASIS



서비스관리

REST, SOAP, RSS1.0/2.0,
ATOM1.0, RDF Service 자동
생성 및 배포



서비스 키관리

사용자키 또는 접속 IP 기반으로
접근 통제



접근권한 제어관리

사용자 별 무제한 접근과
일일 접근 횟수 제한 서비스별
트래픽 조절



API 사용 통계

각 서비스 별
API 사용 통계 모니터링

01

서비스 관리

02

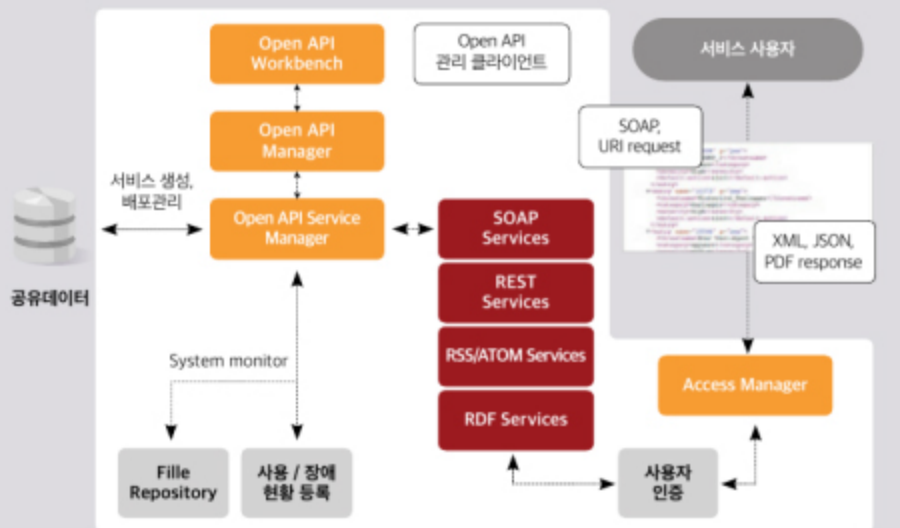
서비스 키관리

03

접근권한 제어관리

04

API사용통계



Features

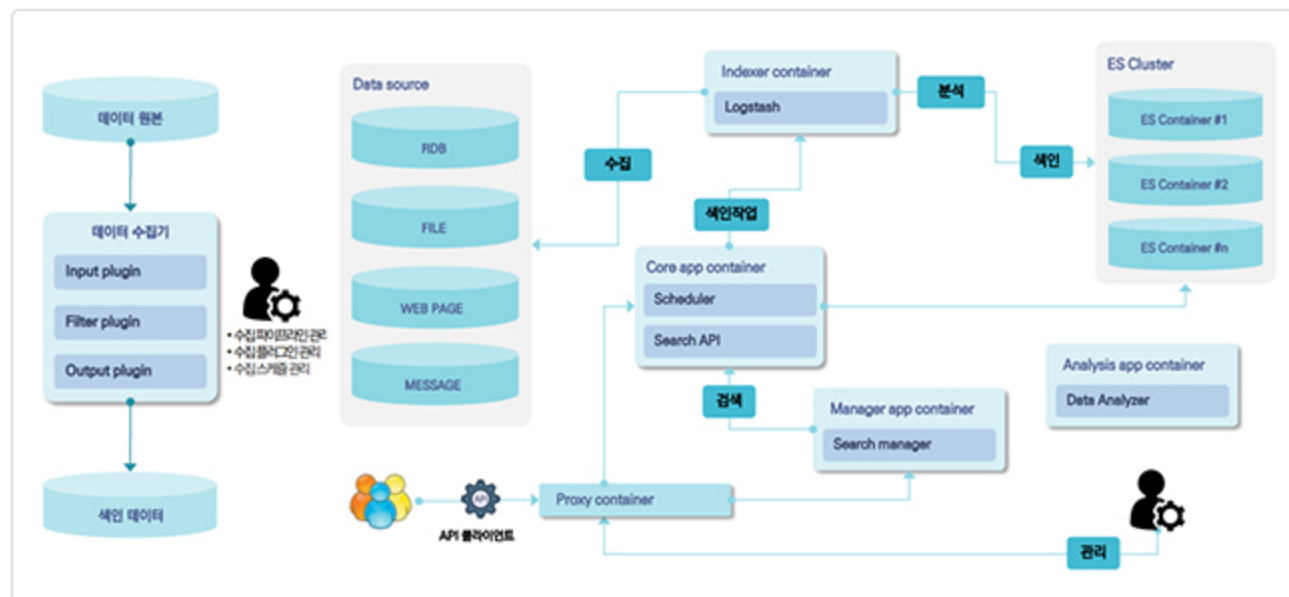
- Convenient web-based UI
- Automatic API creation. Easy to add, edit, and delete API
- No risk of change in development personnel
- Compliance with API standards such as REST and SOAP
- 60% reduction in deployment time and cost
- Compliance with secure coding and OWASP vulnerabilities
- Open API service can be restarted during operation
-> Uninterrupted service and easy maintenance operation

PCN E-Search

Why PCN?

A highly scalable search platform that supports crawling, distributed storage, and search for various types of structured, unstructured, or big data.

PCN E-Search



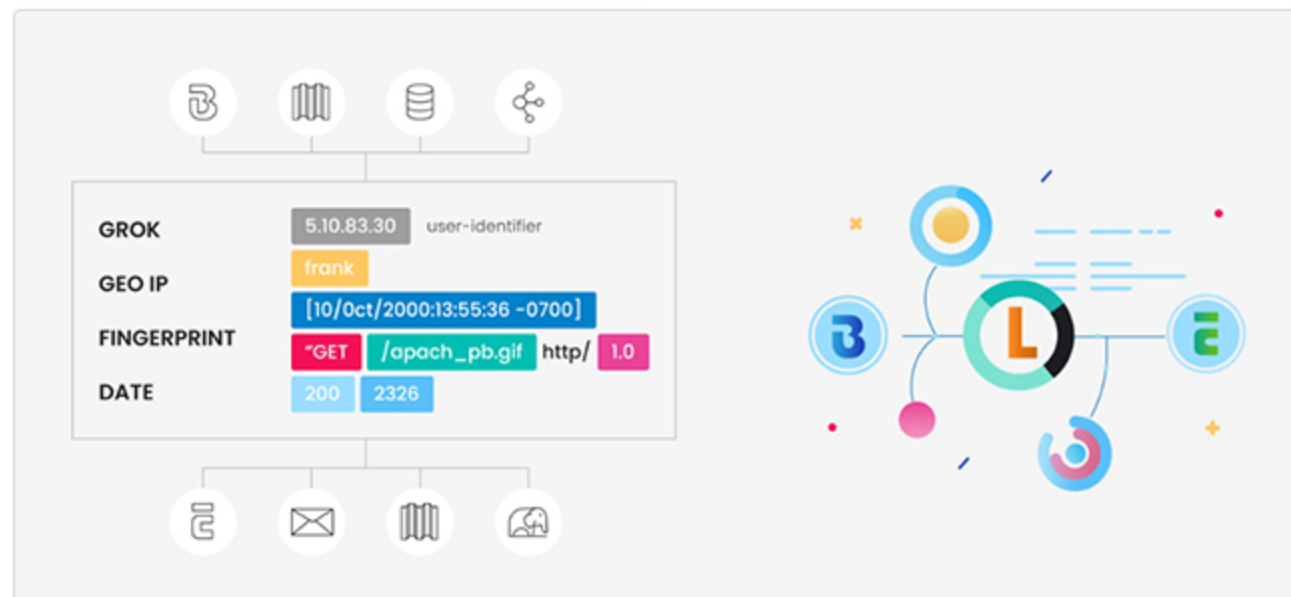
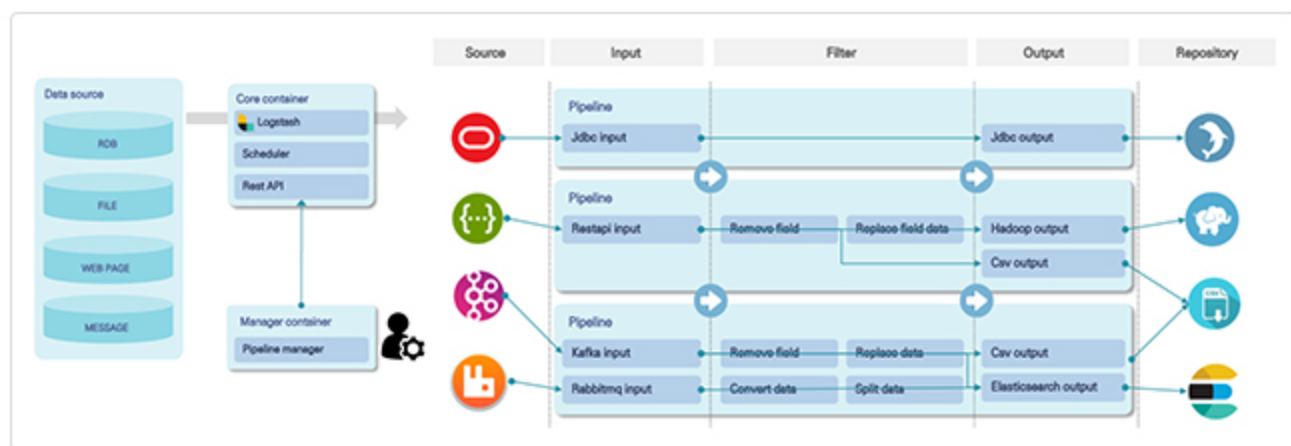
Features

- Support for various forms of data crawling
- Support for multi-node based high availability
- Multiple clustering configurations
- Full Text Search
- Guaranteed scalability with plug-in support
- Functional division in the form of independent modules
- Support for big data distributed storage and analysis tools
- Natural language search, support for compound noun stop word filter
- Search word auto-completion, support for trend analysis
- Support for related search terms

OASIS-X

Why PCN?

A big data collection solution that supports collecting and converting various source data needed for big data analysis and storing them in the desired storage



Features

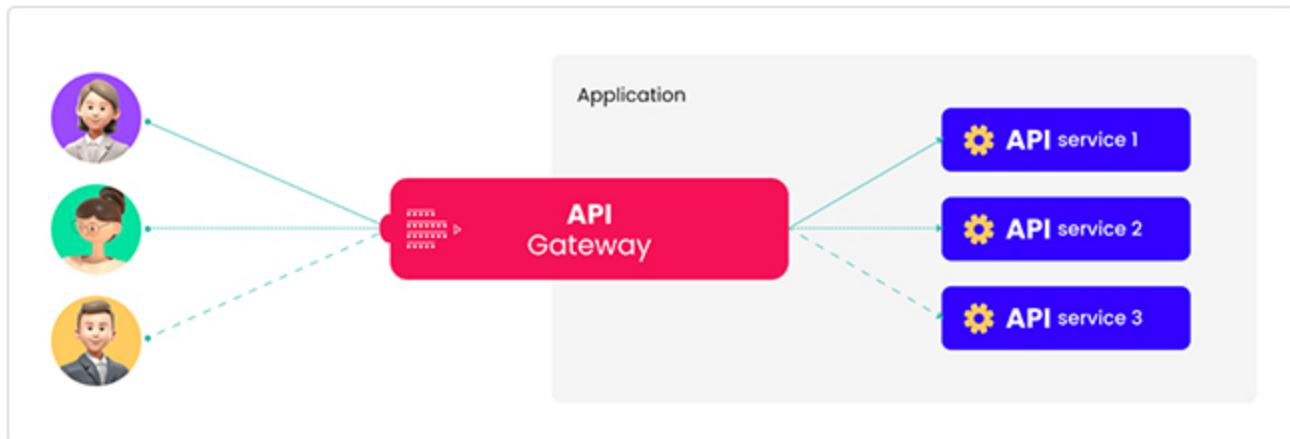
- Support for various types of data sources
- Support for various forms of data storage
- Processing of data into various forms by providing filters
- Guaranteed scalability with plug-in support
- Easy configuration with Web UI support
- Monitoring of collection/storage status
- Performing batch tasks with scheduler support

OASIS APIM

Why PCN?

OASIS APIM is an API management server that acts as a contact point for all APIs requested to the server. It is a solution that supports API requests in the promised form regardless of the internal system when requesting an API from the outside.

OASIS APIM



IP 제한
요청 IP 허용/제한



Key 인증
API Key기반 Consumer 인증



요청 수 제한
API 요청 건수 제한



용량 제한
응답 Data 용량 제한



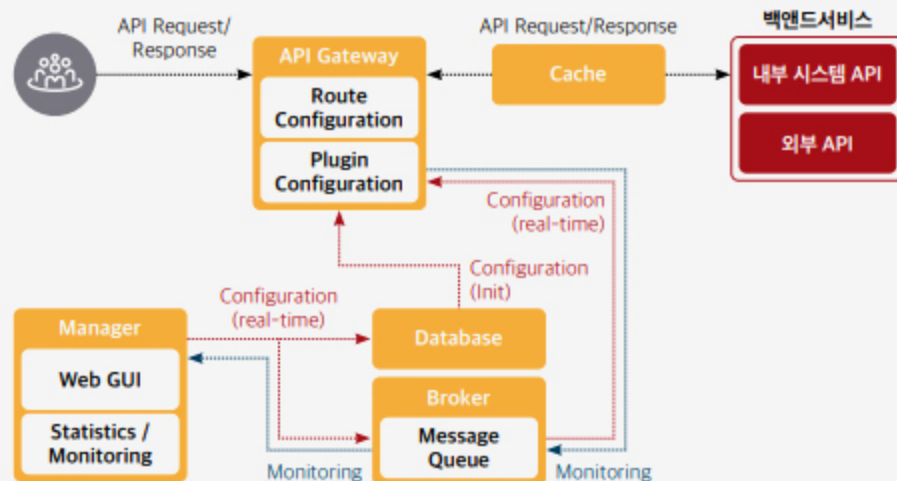
Basic 인증
ID/PW 기반 컨슈머 인증



JWT 인증
Json Web Token 인증



OAuth2 인증
3rd Party OAuth2 인증



Features

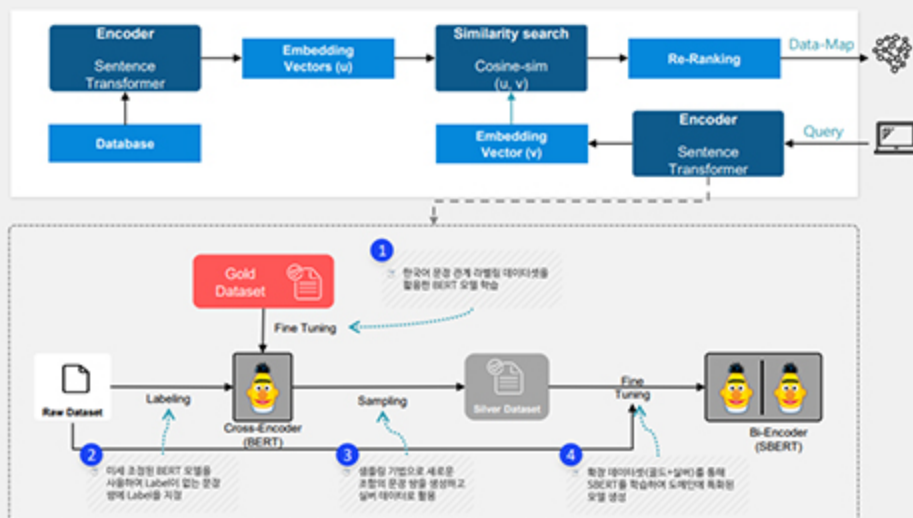
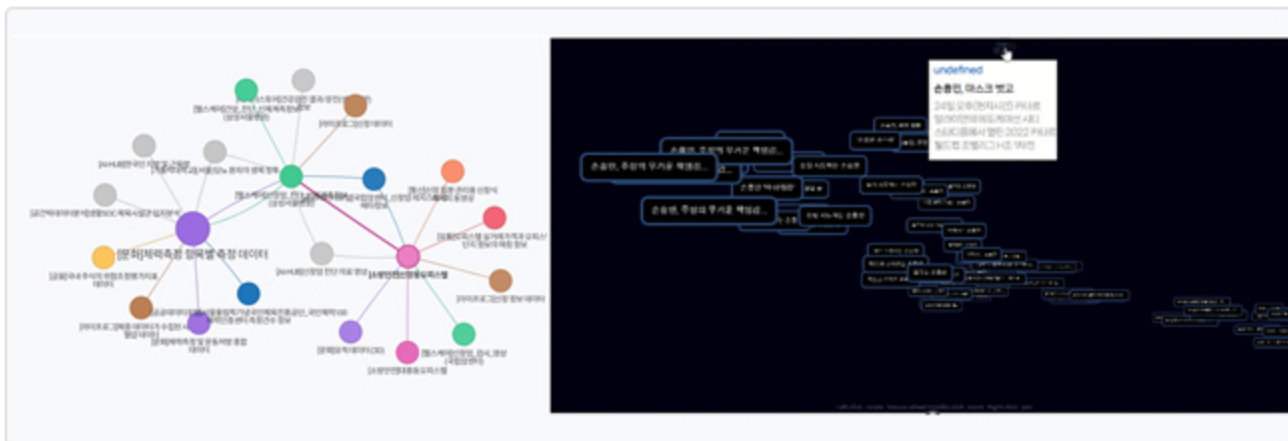
- Routing processing of various APIs (Legacy API, Search API etc)
- Monitoring request status
- Authentication and authorization processing for users (JWT, Key method supported)
- Limit traffic and number of requests (limit daily API calls)
- Guaranteed scalability with plug-in support
- Easy configuration with Web UI support
- Real-time reflection of changes
- Guaranteed performance by using cache
- Container method of installation

OASIS-DataMap

Why PCN?

OASIS-DataMap is a big data solution that analyzes correlations between unstructured contents and visualizes data correlation through thematic clustering.

OASIS-DataMap



Features

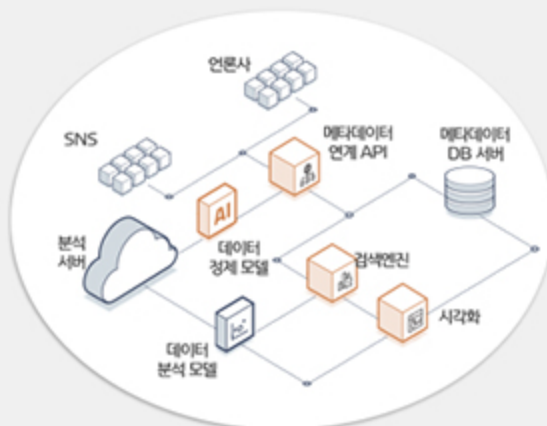
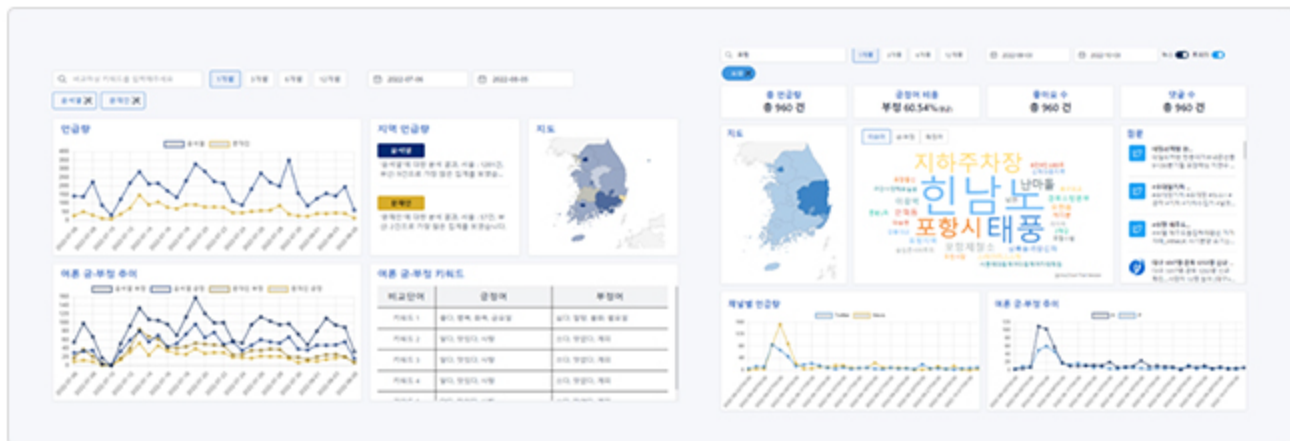
- Intelligent search technology based on understanding contextual meaning using natural language processing technology
- Correlation analysis function between sentences and documents
- Flexible response to diverse and abstract queries based on contextual understanding
- Support for searching synonyms and synonyms without building a separate dictionary
- Support for clustering by topic
- Support for domain-specific deep learning-based language models
- Support for processing large amounts of real-time streaming data

OASIS-TrendData

Why PCN?

OASIS-TrendData is a real-time trend big data analysis technology solution that integrates collection/analysis/visualization of social media and media data.

OASIS-TrendData



Features

- Real-time data collection through media and SNS API connection
- Metadata-based statistical analysis
- Natural language processing using BERT
- Improved NER model tagging refinement and accuracy
- Knowledge Graph scalability using relationship extraction model
- Utilization of natural language processing module packaging toolva
- Index data analysis results into Elasticsearch, improving speed by more than 50% over existing analysis API results
- Processing of unregistered words by building a dictionary of new words/compound nouns
- Provision of interactive dashboard to help understand analysis results

Successful national R&D project implementation

Why PCN?

Recently, as the demand for technology related to the 4th industry, such as big data, IoT, and AI, has increased, national R&D is also expanding. PCN continues to carry out related R&D projects. In addition, by utilizing the technologies and modules obtained in the process, the company contributes to national R&D by commercializing in various directions, such as patent registration, solutionization, and technology transfer.



Open API open software development

[Ministry of Science and ICT]

Authoring and service automation tools that automatically create open APIs



Development of content intelligent search platform

[Ministry of Culture, Sports and Tourism]

Establishment of a search platform that collects, analyzes, and builds an ontology for scattered traditional cultural content and then provides search results in various convergence forms using the content through an intelligent algorithm.



Development of forensic image copyright technology

[Korea Copyright Commission]

Development of copyright technology that inserts copyright information into an image without damaging the original image using a hologram algorithm and QR code and then forensically extracts the copyright information.



Development of intelligent tourism content services

[Ministry of Science and ICT]

Development of a service that automatically generates reports after analyzing big data based on social data to report tourism consulting needed by local governments on tourism contents



IoT platform development

[Ministry of Science and ICT]

Development of an IoT platform that supports a variety of devices and utilize the platform for media services in conjunction with html5-based 3D modeling API.



Big data augmented analysis platform

[Ministry of Science and ICT]

A system that integrates and collects various source data, processes profiling of the collected big data using AI, and supports visual analysis of data profile information.

Successful national R&D project implementation

Why PCN?

Recently, as the demand for technology related to the 4th industry, such as big data, IoT, and AI, has increased, national R&D is also expanding. PCN continues to carry out related R&D projects. In addition, by utilizing the technologies and modules obtained in the process, the company contributes to national R&D by commercializing in various directions, such as patent registration, solutionization, and technology transfer.



Development of cross-model data integrated processing platform technology

[Ministry of Science and ICT]

Development of a cross-model data integrated processing platform technology that can analyze big data in various model forms by complexly utilizing multiple platforms, not just one platform



Development of heterogeneous convergence data detection and tracking technology

[Ministry of Science and ICT]

Development of various new application services based on detection, tracking, and blocking functions based on heterogeneous convergence data and develop technologies for improving existing systems



Development of complex system-based reasoning artificial intelligence for big data causal analysis

[Ministry of Science and ICT]

Development of technology that can infer the causal relationship that exists among the various data elements that make up big data and use this to identify the cause and effect of a specific event



Development of XR content interaction technology based on non-verbal elements

[Ministry of Science and ICT]

Development of XR content interaction technology based on non-verbal elements to provide communication such as diverse and efficient means of exchange and conveying empathetic emotions between participants in the metaverse.

Maintaining a solid partnership

Clients

Based on solid trust, the Company works with various companies and organizations.

Major clients in the public sector



Major corporate clients



Finance corporate clients



Various Awards

Awards

As a result of its core value of supporting customer success, the Company has received outstanding awards in various fields every year.



red**dot** award 2022
winner

01.Project

Mobile Driver's License

02.Domain

Brand & Communication Design / Interface & User Experience

03.Award

Mobile User Interface Winner

04.Clinet

Ministry of the Interior and Safety

05.Designer

PCN Corp. & Inition Inc.



Web Award
Korea



Smart App
Korea



&
Award



2022 Government
Public Sector Winner

Mobile Driver's License (MOIS)



2022 Life Convenience
Category Winner

Mobile Driver's License (MOIS)



2022 Public Sector
Integration Award

AI Hub



2019 Public Medical
Sector Integration Award

Eisai Korea

Various Awards

Awards

As a result of its core value of supporting customer success, the Company has received outstanding awards in various fields every year.



**2021 College Category
Grand Prize**

 Seoul National University
College of Medicine



**2019 Grand Prize in
Comprehensive Medical Field**

 Ewha Womans University
Medical Center



**2019 Materials/Parts
Category Grand Prize**

 SK Siltron



**2018 Grand Prize
in Comprehensive**

 Konkuk University Hospital



**2017 Medical Sector
Grand Prize**

 Seoul National University Hospital



**2017 Content Innovation
Grand Prize**

 LG U+



**2017 Member Service
Category Grand Prize**

 U+economical mobile



2017 Digital Media & Service

 SK Planet

Various Awards

Awards






As a result of its core value of supporting customer success, the Company has received outstanding awards in various fields every year.










2016

-   **Open Government of Seoul Metropolitan City**
-Web Award Public Service Category Service Innovation Grand Prize
-AND Award Public Service Grand Prix
-  **Dongwon Systems**
-Web Award General Business Category Manufacturing Grand Prize
-  **Samsung Seoul Hospital official blog**
-Web Award Media/Information Service Category Corporate Blog Grand Prize
-  **Konkuk University Hospital main website reorganization**
-Health and Medical Service Winner

2015

-   **Public data portal**
-Web Award Public Service Category Service Innovation Grand Prize
-AND Award Public Service Grand Prix
-  **Dongwon Systems**
-Web Award General Business Category Manufacturing Grand Prize
-  **Samsung Seoul Hospital official blog**
-Web Award Media/Information Service Category Corporate Blog Grand Prize
-  **Konkuk University Hospital main website reorganization**
-Health and Medical Service Winner

2014

-  **Freedom Square Blog/Facebook**
-Web Award Media/Information Service Category - Public Blog Category Grand Prize
-Web Awards Media/Information Service Category - Social Media Category Grand Prize
-  **Samsung Seoul Hospital**
-Web Award Public/Medical Sector Comprehensive Medical Web Standard Innovation Grand Prize
-  **Samsung Seoul Hospital online channel renewal**
-AND Awards Medical & Health websites Grand Prix
-  **McDonald's**
-Web Awards Lifestyle Brand Category - Grand Prize in Franchise Category
-   **My World Vision**
-Web Awards Public/Medical Category - Nonprofit Organization Category Grand Prize
-AND Awards Public Service Websites Winner
-   **Sae-A Trading website reorganization and advancement**
-Web Awards Public/Medical Category - Nonprofit Organization Category Grand Prize
-AND Awards Public Service Websites Winner

2013

-  **Nongshim**
-Web Award Living Brand Category - Food Category Grand Prize
-  **Bank of Korea Money Museum**
-Web Awards Culture/Leports Category - Culture/Exhibition Hall Category Grand Prize
-  **Federation of Korean Industries Freedom Square**
-Web Award Media/Information Service Category - Public Blog Category Grand Prize
-  **Seoul National University Bundang Hospital**
-Web Awards Public/Medical Category - Grand Prize in Comprehensive Medical Category
-  **Dongwon Group**
-Web Awards General Business Category - Distribution Category Grand Prize
-  **Samsung Engineering**
-Web Awards Customer Support/Service Category - Global Service Category Excellence Award

Extensive Business Experience

PCN has successfully completed various projects with solid business performance and service capabilities.

2022

- Korean Red Cross website/app operation and management service
- Development of an artificial intelligence vision-based defect detection platform
- Establishment of a search situation management system for missing persons
- Newstore system construction project (3rd)
- **2022 Hanyang Doseong Time Machine**
- Display-centric eye movement video data
- **2nd stage project to build a regional cultural integration information system**
- Metaverse images and 3D data of Seowon, a World Cultural Heritage site in Gyeongbuk
- Maintenance service for blood information software
- Digitalization project offer materials collected by local cultural centers
- **AI Hub operation/maintenance business**
- Functional improvement and maintenance of the Sports Ethics Center reporting and counseling history management system
- **Operation and maintenance of integrated data map**
- **Operation and maintenance of the Seoul Metropolitan Government website**
- Harmony System Integrated Maintenance Project
- Operation and maintenance of Seoul Open Data Plaza
- Functional improvement and maintenance service for the Information Communication Plaza document disclosure system
- **Construction of an integrated database of original cultural heritage records**
- Establishment of a large-scale news-based incident and accident knowledge big data center
- **Government 24's operation and maintenance project**
- Operation and maintenance of the tourist inconvenience reporting system
- Operation of Dongwon Group subsidiary website
- Maintenance and operation support of talent development platform
- Operation and maintenance of new media websites
- Construction and operation project of KT&G Welfare Foundation website
- **Construction of the next-generation criminal justice information system by the Ministry of Justice_ Development of Mobile KICS**
- Operation and maintenance of the Participatory Budgeting System online platform
- Redevelopment of the eco-mileage system and maintenance of the integrated eco-homepage
- Maintenance project for Seoul Design Foundation and DDP website
- KB Insurance's next-generation system construction channel

2021

- **Construction project of the Mint Corporation mobile driver's license**
- **Construction project of the Presidential Secretariat's national affairs project implementation status**
- Construction and operation project of KT&G Welfare Foundation website
- Construction project of the Sports Ethics Center integrated report management system
- Construction project of sports ethics center report counseling history management system
- Seoul New Media website operation business
- Incheon International Aircraft Corporation big data platform construction and service project
- **Operation and maintenance of Seoul City's representative website**
- Integrated maintenance project of the Ministry of Public Administration and Security's Harmony System
- Expansion and maintenance of the Seoul Information Communication Plaza document disclosure system
- **Seoul Open Data Plaza Operation Project**
- Operation of the Seoul Democracy Seoul website
- Operation and maintenance of the Seoul City contract yard system
- **2nd construction project of Hanyang Doseong Time Machine in 2021**
- 21 Digitization project of materials held by local cultural centers
- **Project to build an integrated database of original records of cultural heritage from the Cultural Heritage Administration**
- Improvement project of the Truth and Reconciliation Commission website
- Operation of Kumho Construction's corporate/Eoullim website
- **Operational maintenance of Government 24**
- **Establishment of Government 24 National Subsidy Customized Service**
- **Government 24 Establishment of a foundation for life-customized linked services (1st phase)**
- Operation of SK Planet corporate website
- Operation of Dongwon Group affiliated websites
- Reconstruction project of the Seoul Museum of Art website
- Construction project of regional cultural integration information system
- **Construction project for the Ministry of Personnel Management's national talent development intelligent open platform**



Extensive Business Experience

PCN has successfully completed various projects with solid business performance and service capabilities.

Project List

2020

- Korea Financial Telecommunications and Clearings Institute TrusBill website reconstruction project
- Tongyang Life Insurance Sales Support System (SFA) construction project
- Operation agency for KB Financial Group's in-house webzine
- KT&G Welfare Foundation website operation business
- Korea Press Foundation News Market System Construction Project
- Korea Economic Daily Global News Site Construction Project
- **Seoul New Media Website Operation Project**
- **Operation and maintenance of Seoul City's representative website**
- **Integrated maintenance project of administrative safety load management system**
- **Expansion and maintenance of the Seoul Information Communication Plaza document disclosure system**
- **Seoul Open Data Plaza Operation Project**
- Operation and maintenance of the Seoul City contract yard system
- **1st construction project of Hanyang Doseong Time Machine**
- **Digitization project of materials held by local cultural centers**
- Construction of Mokpo modern historical and cultural space modern cultural asset archive
- Operation of Kumho Construction's corporate/Eoullim website
- **Operation and maintenance of Government 24**
- **Establishment of Government 24's national subsidy customized service**
- Operation of SK Planet corporate website
- Operation of Dongwon Group subsidiary website
- Maintenance project for the National Museum of Modern and Contemporary Art information service
- DDP rental information system construction project
- Seoul Grand Park website construction and operation project
- Operation of the Construction Workers' Mutual Aid Association's retirement deduction EDI system
- Construction Workers' Mutual Aid Association Construction worker integrated career management system construction
- Korea Information Society Agency landmark
- Reconstruction project for the Korea Forest Service public portal system

2019

- Construction of an intelligent search platform to support traditional culture convergence
- 2019 integrated maintenance project for the Ministry of Public Administration and Security's Harmony System, etc.
- **Operation and maintenance project of Open Data Plaza**
- Construction of the website of the 518 Democratization Movement Fact-finding Investigation Committee
- Operation of the 2019 True-innovation website
- Maintenance of the Gwacheon National Science Museum website
- **Maintenance and operation of Government 24**
- **Construction of Yonhap News TV homepage**
- Renewal project of the health checkup center website
- **ID Online Platform Construction Project (Ildong Pharmaceutical)**
- Construction of 11th Street's internal business management page
- Operation of the tourist inconvenience reporting system
- **Development of a big data augmented analysis profiling platform to maximize big data reliability and usability**
- MakeAll's comprehensive information management system member information transfer and follow-up management service
- Operation service for external portal system
- Maintenance of Dongwon Group website (Media Dongwon)
- Creation of Ildong Pharmaceutical doctor login page
- **Development of a cross-model data integration processing platform that supports integrated analysis of various models of big data platforms**
- **Digitalization of modern publication data and establishment of knowledge information resource sharing base**
- **Digitization project of materials held by local cultural centers**
- Hospital website maintenance and upgrade service project



Extensive Business Experience

PCN has successfully completed various projects with solid business performance and service capabilities.


2018

- **Operation and maintenance service for Seoul City website**
- Integrated maintenance business such as Harmony System
- **Functional improvement and maintenance of the Information Communication Plaza document disclosure system**
- Maintenance service for the Seoul Civil Service Training Center website
- **Design service for AI-based big data IoT convergence platform**
- Trade Korea reorganization_Korea Trade Information and Communication
- Construction of Nongshim NS Aria shopping mall app
- **Maintenance of Government 24**
- Operation and maintenance of 'Have Seoul'
- Operation of the True-Innovation website
- **Digitization project of materials held by local cultural centers**
- **Cultural heritage 3D DB construction project**
- Reorganization project for the Korean language information system website of the National Institute of the Korean Language
- DB construction and utilization expansion project for 3D printing content
- Establishment of LG UPlus store performance management system
- Digitalization of modern publication data and establishment of knowledge information resource sharing period
- Activation service through establishment and platformization of MakeAll comprehensive information management system
- Construction of Daesang Well Life Shopping Mall
- **Improvement of Construction Day Dream Net functions and maintenance services for the system**
- Advanced business design service for NH Cock Banking
- Project to establish an integrated registration and management system for Peruvian national cultural heritage
- Operation of the SK Telecom Win-Win Innovation Center website
- Maintenance project for the website of Dongwon Group affiliates

2017

- Construction of Konkuk University Hospital website
- Construction of Seoul National University Hospital website
- **Maintenance and operation of LG U+ corporate website**
- Improvement of LG U+ homepage language
- Project to expand high-quality public works
- Project to digitize modern publications and establish a knowledge information resource sharing base (supplementary budget)
- Project to expand the 119 fire site integrated management system
- Partial reorganization and operation maintenance of the Culture Day website
- Public works system operation and advancement project
- Support project for activation of public data use (establishment of facility safety management data open system)
- **Cultural heritage 3D DB construction project**
- Enhancement service for cultural data opening and utilization system
- Establishment of a small and medium-sized cultural viewing support service platform
- Activation and operation management of cultural information services
- 101 Startup Korea website operation contract
- Maintenance of Konkuk University Hospital website
- Citizen customized content discovery project service
- Maintenance of Dongwon Group affiliated websites
- **Integrated maintenance business such as Harmony System**
- **Functional improvement and maintenance of the Information Communication Plaza document disclosure system**
- **Operation and maintenance service for Seoul City website**
- Maintenance service for the Seoul Civil Service Training Center website





Web & Mobile Service

Portfolio

System Integration



• **Project Name**

Seoul City website operation and maintenance

• **URL**

<http://www.seoul.go.kr>

• **Client**

Seoul Metropolitan City

• **Year of construction**

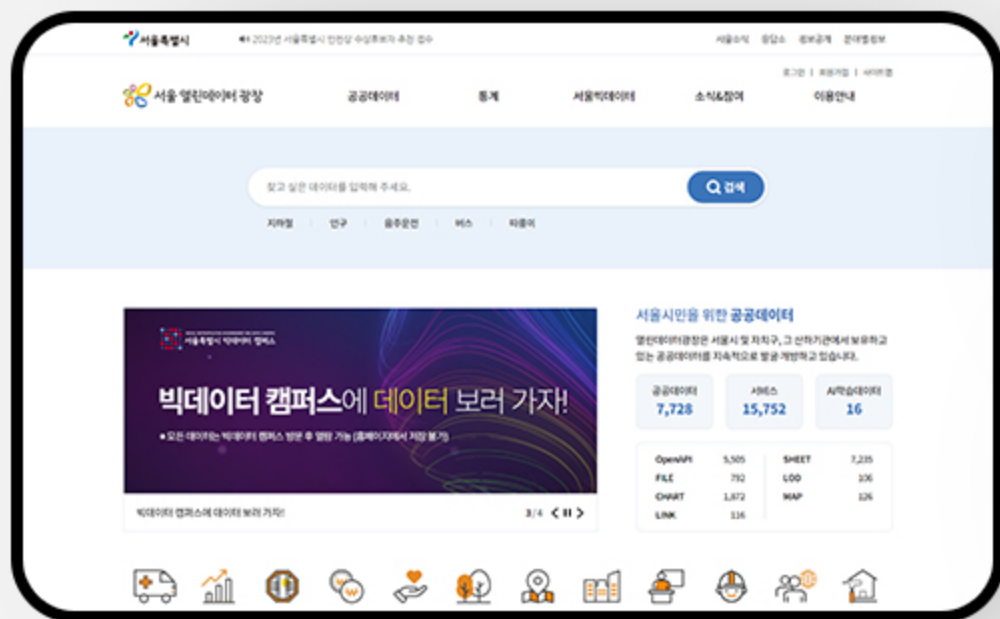
2018 (Establishment of integrated wired and wireless website)

• **Business Detail**

Construction + Operation

• **Operating period**

2017 - 2023
(conducted for 7 consecutive years)



• Project Name

Operation and maintenance of Open Data Plaza of Seoul Metropolitan City

• URL

<https://data.seoul.go.kr>

• Client

Seoul Metropolitan City

• Year of construction

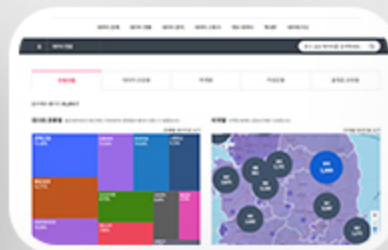
Advancement in 2019

• Business Detail

Operation

• Operating period

2019 - 2023
(conducted for 5 consecutive years)


Project Name

Establishment and Advancement of Integrated Data Maps

URL

<https://www.bigdata-map.kr>

Client

National Information Society Agency

Year of construction

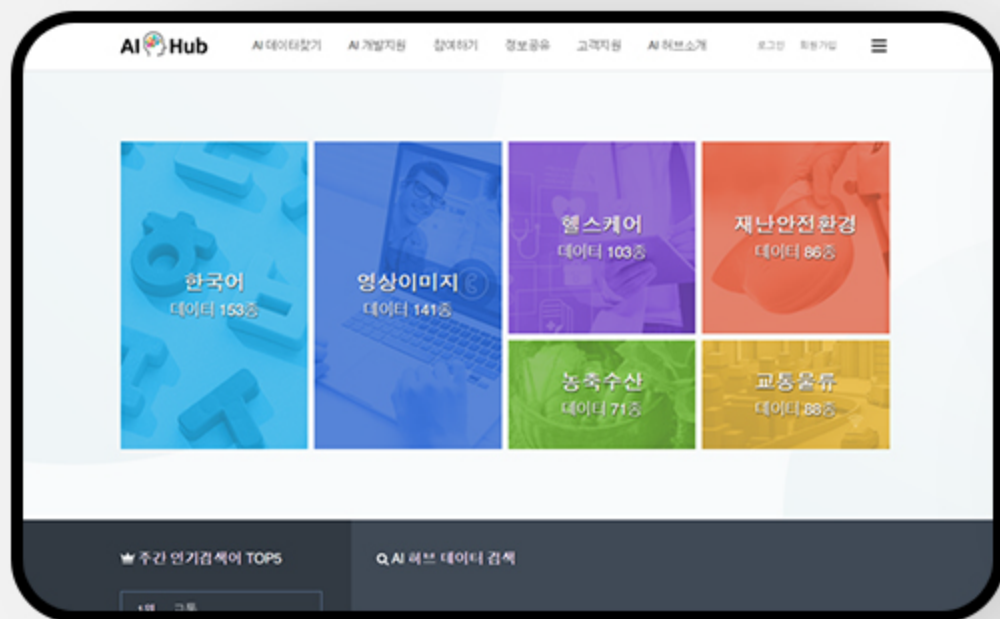
2020 - 2022

Business Detail

Big data platform metadata collection and related data information provision portal

Operating period

2022 - 2023
(conducted for 2 consecutive years)



• Project Name

AI Hub Operation and Maintenance

• URL

<https://aihub.or.kr/>

• Client

National Information Society Agency

• Year of construction

-

• Business Detail

Operation and maintenance

• Operating period

2022 - 2023
(conducted for 2 consecutive years)



• Project Name

Operation and Maintenance of Seoul Housing Portal

• URL

<https://housing.seoul.go.kr/>

• Client

Seoul Metropolitan City

• Year of construction

2022 - 2023 (conducted for 2 consecutive years)

• Business Detail

-

• Operating period

-



Project Name

Operation and Maintenance of New Media Websites

URL

<https://mediahub.seoul.go.kr/main.do>

Client

Seoul Metropolitan City

Year of construction

2020

Business Detail

Management of Seoul news, videos, magazines, and children's newspapers

Operating period

2020 - 2023
(conducted for 4 consecutive years)



• **Project Name**

Operation and Maintenance of Government 24

• **URL**

<https://www.gov.kr>

• **Client**

Ministry of the Interior and Safety

• **Year of construction**

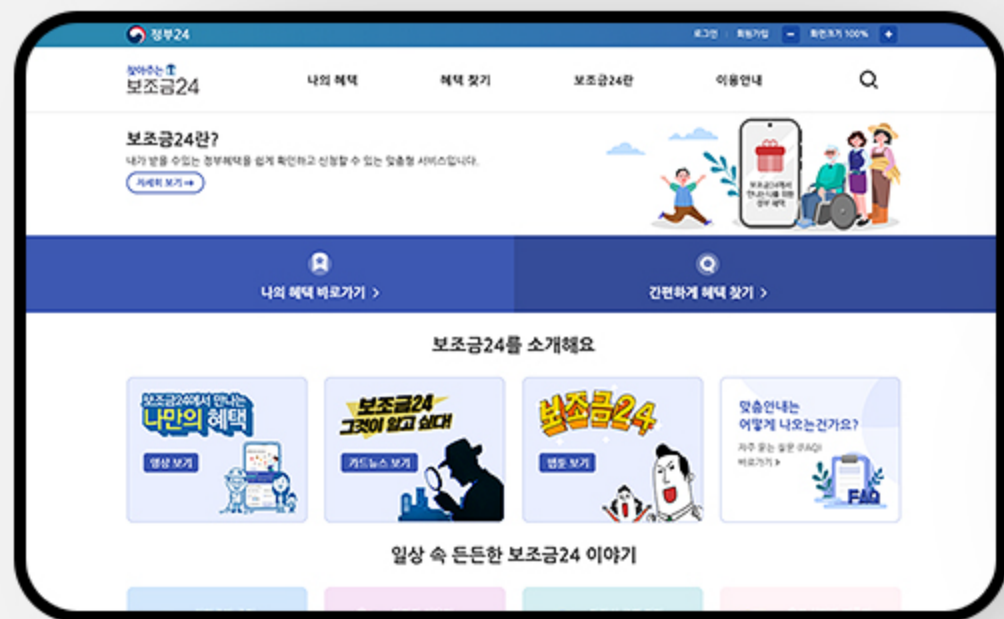
2019

• **Business Detail**

Operation

• **Operating period**

2019 - 2022
(conducted for 4 consecutive years)



• Project Name

Establishment of 1st to 3rd Government 24 National Subsidy Customized Services

• URL

<https://www.gov.kr>

• Client

Ministry of the Interior and Safety

• Year of construction

2020

• Business Detail

Establishment

• Operating period

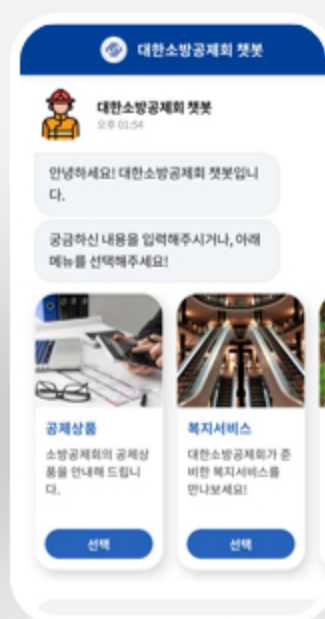
1st: 2020 / 2nd: 2021 / 3rd: 2022



Development of Mobile App and Reorganization of Website for Korea Fire Mutual Aid Association

02.PORTFOLIO

System Integration



• Project Name

Development of Mobile App and Reorganization of Website for Korea Fire Mutual Aid Association

• URL

<https://www.focu.or.kr/main.do>

• Client

Korea Fire Mutual Aid Association

• Year of construction

2022 (Upgraded construction)

• Business Detail

-

• Operating period

-



Website Operation and Server Maintenance Services for the Truth and Reconciliation Commission

02.PORTFOLIO

System Integration



• Project Name

Website operation and server maintenance services for the Truth and Reconciliation Commission

• URL

<https://www.jinsil.go.kr/>

• Client

Truth and Reconciliation Commission

• Year of construction

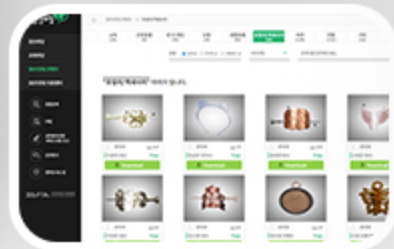
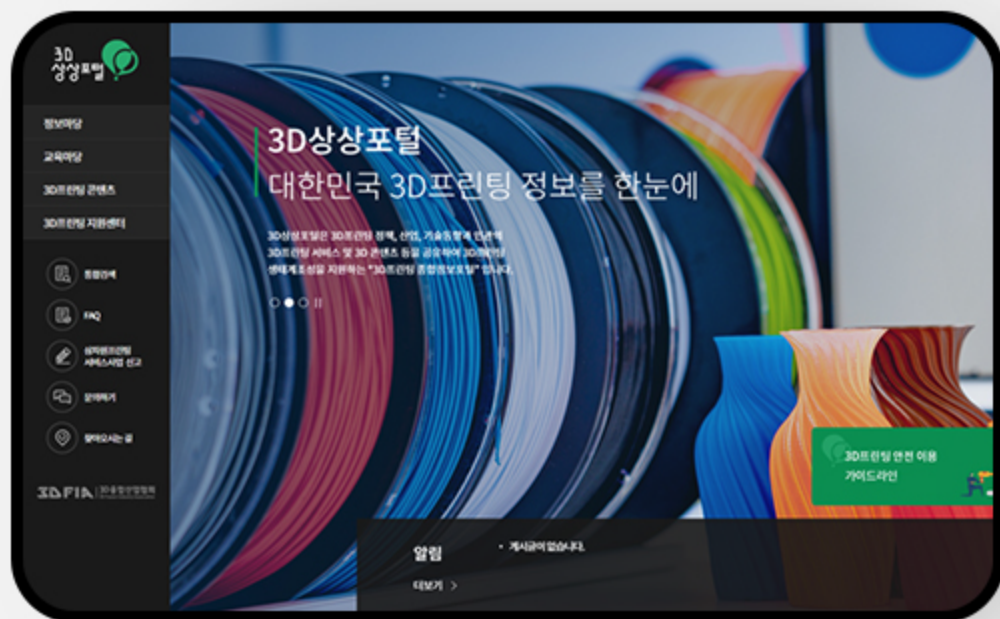
2021

• Business Detail

Operation

• Operating period

2022 - 2023
(conducted for 2 consecutive years)



• Project Name

Analysis, design and service improvement for the complete reorganization of the 3D printing information portal in 2022

• Client

3D Fusion Industry Association

• Business Detail

Service improvement

• URL

<https://www.3dbank.or.kr/>

• Year of construction

-

• Operating period

2022 - 2023
(conducted for 2 consecutive years)

Multiple System Integration Cases



Operation and improvement project for T Academy online portal in 2022



Construction of website for Yeosu and Suncheon 10.19 Incident Committee



Enhancing the functionality of the National Gwacheon Science Museum website and reorganizing the multilingual website



Website reorganization of National Pension Service



Functional improvement and maintenance services for information communication plaza and document disclosure system

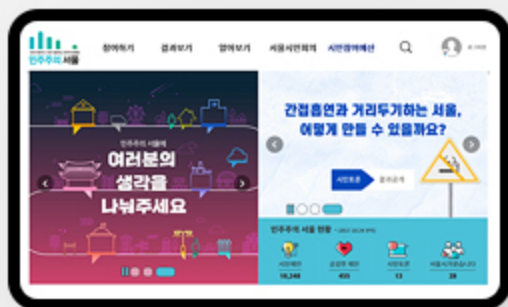


Website operation for Culture Day

Multiple System Integration Cases

02.PORTFOLIO

System Integration



Maintenance of the
Democracy Seoul website



Construction and operation of
Seoul Grand Park website



Operation and maintenance
of Seoul Contract Yard



Reorganization of horse industry
portal 'Horsepia'



Service for the development
project for smart racing by the
Korea Racing Authority



Website reorganization of the
Bank of Korea's Currency Museum

Multiple System Integration Cases

02.PORTFOLIO

System Integration



Renewal of cultural portal service



Retirement deduction integrated management system



Reorganization of visitkorea's foreign language website



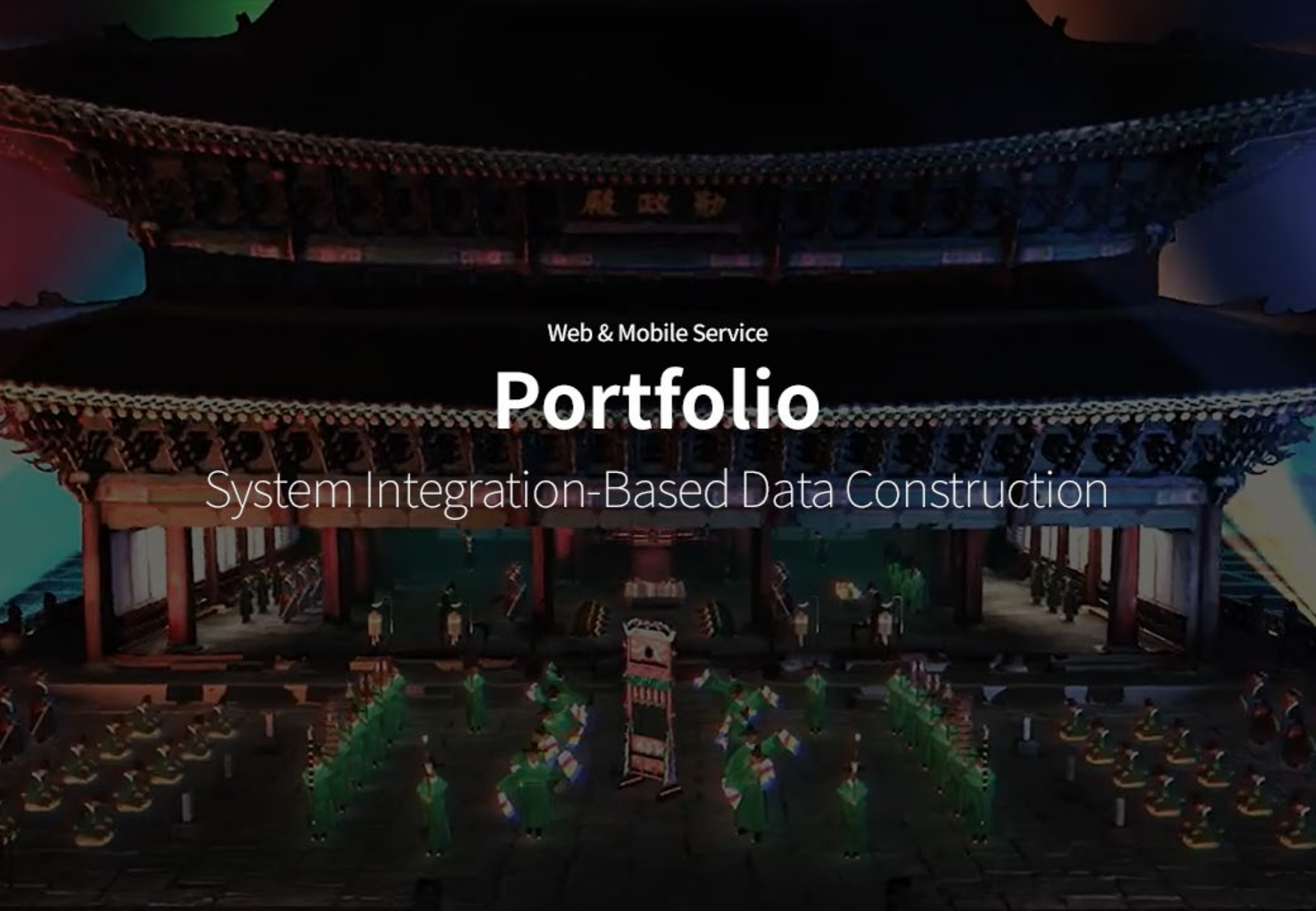
Construction Work Dream Net



Representative website of the Construction Workers Mutual Aid Association



Integrated career management system for construction technicians

A traditional Chinese courtyard with a large hall and a performance. The hall has a dark, ornate roof with intricate carvings. The courtyard is paved with dark stones and is filled with people in traditional attire. In the center, a group of performers in green and blue costumes are performing a dance or ritual. The background shows a sunset or sunrise with a mix of orange, red, and blue colors.

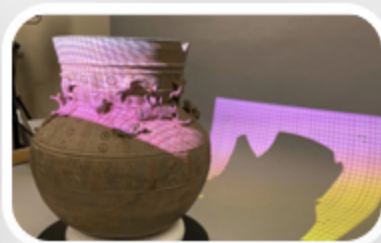
Web & Mobile Service

Portfolio

System Integration-Based Data Construction



• Project Name	Hanyang Doseong Time Machine	• URL	-
• Client	Cultural Heritage Administration	• Year of construction	2020 - 2022
• Business Detail	Hanyang Doseong big data, 3D DB construction, metaverse, realistic content	• Operating period	-



• **Project Name**

Establishment of an integrated database of original records of cultural heritage in 2021 -2022

• **URL**

-

• **Client**

Cultural Heritage Administration

• **Year of construction**

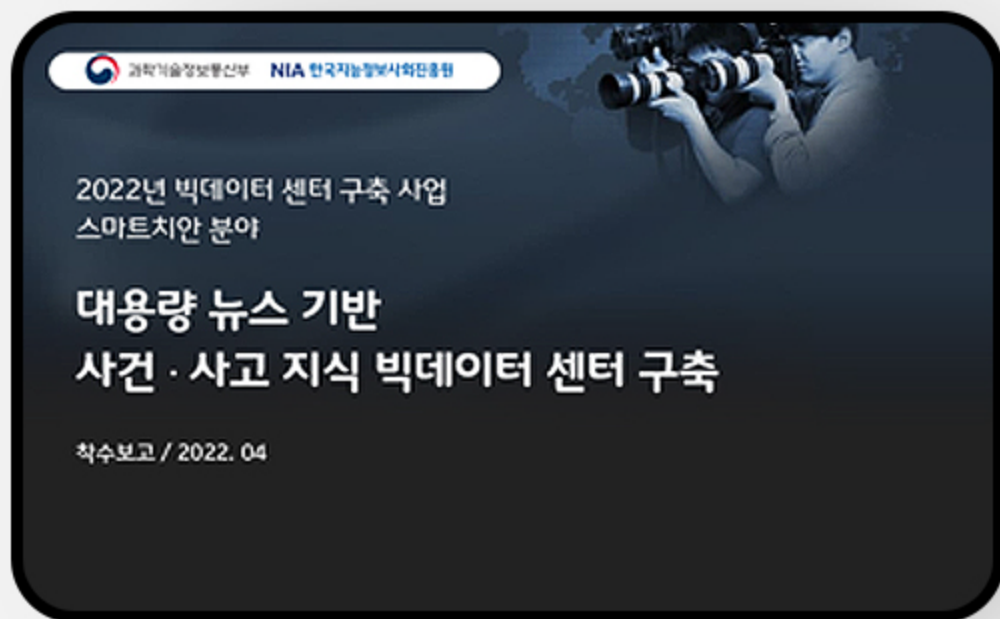
2021 - 2022

• **Business Detail**

3D DB construction of nationally designated cultural assets, digital twin, recording

• **Operating period**

-



• Project Name

Big data center construction project (smart security field)

• URL

-

• Client

National Information Society Agency

• Year of construction

2021 - 2022

• Business Detail

Yonhap News Incident and Accident Big Data Construction and Data Openness Project

• Operating period

2023



• **Project Name**

Big data center construction project (Cultural field)

• **URL**

-

• **Client**

National Information Society Agency

• **Year of construction**


2021 - 2022

• **Business Detail**

Korea Cultural Center Association's data openness project after establishing local culture big data

• **Operating period**

-

A photograph of a business meeting around a wooden table. Several people are looking at a tablet held by one person. The table is covered with various financial charts, including bar graphs, pie charts, and line graphs. A smartphone is lying on the table in the bottom left corner. A pen and a small clock are also visible on the table. The overall scene is dimly lit with a dark overlay.

Web & Mobile Service

Portfolio

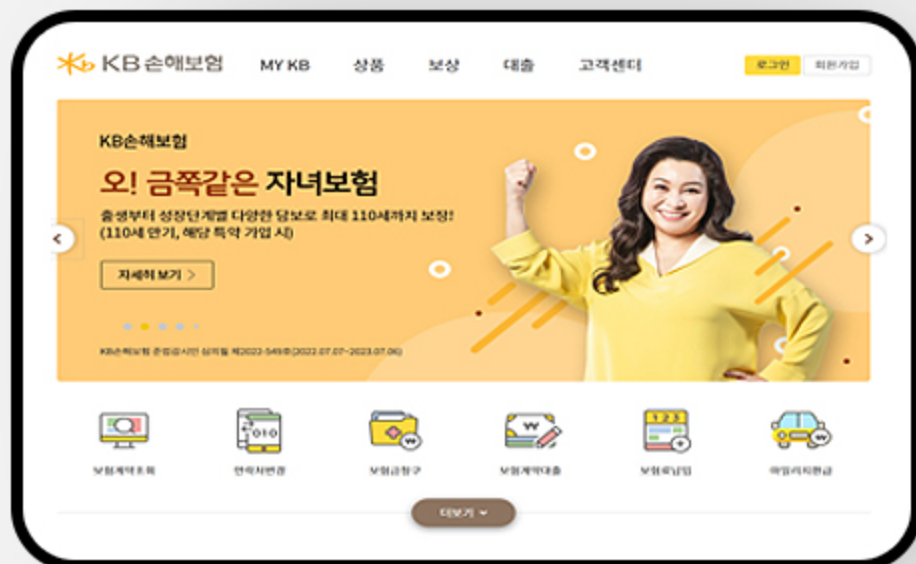
Finance



Advancement of KB Insurance's Next-Generation Basic/Channel UI/UX Design System

02.PORTFOLIO

Finance



• Project Name

Construction of KB Insurance's next-generation infrastructure/channel system

• Client

SK Inc.

• Business Detail

Enhancement of basic standard guide and general/automotive/long-term planning/design

• URL

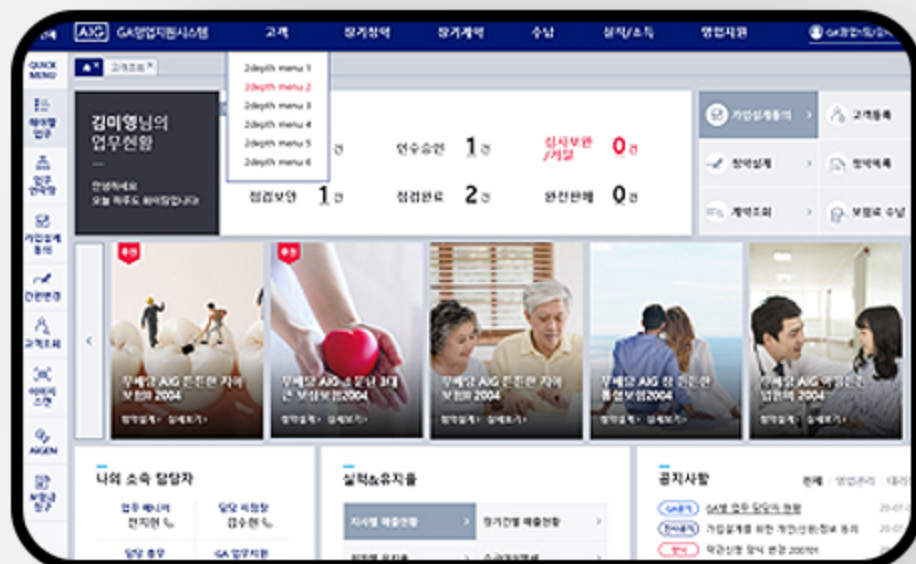
-

• Year of construction

2022 - 2024

• Operating period

-



- Project Name**

GA system design development

- Client**

AIG Korea

- Business Detail**

Regular subscription, long-term contract, payment, performance/income, sales support system development

- URL**

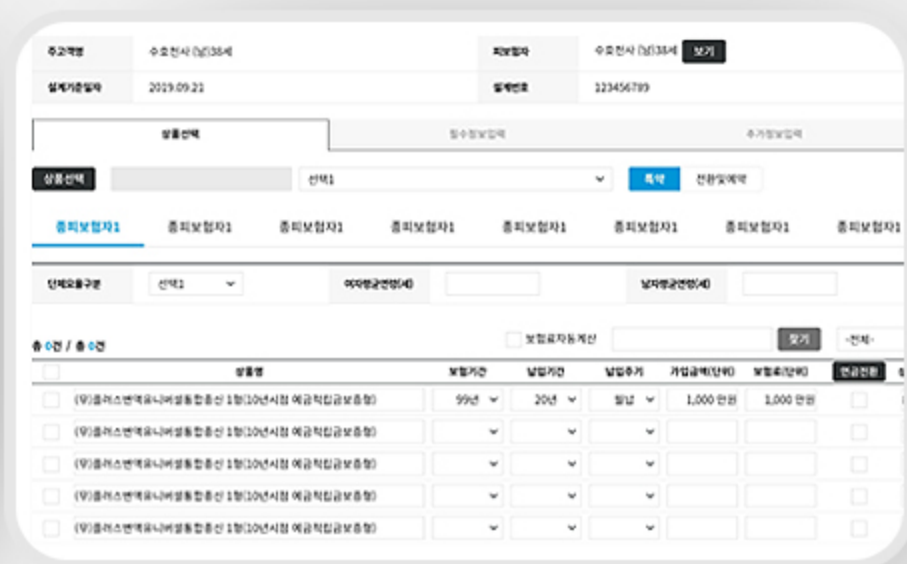
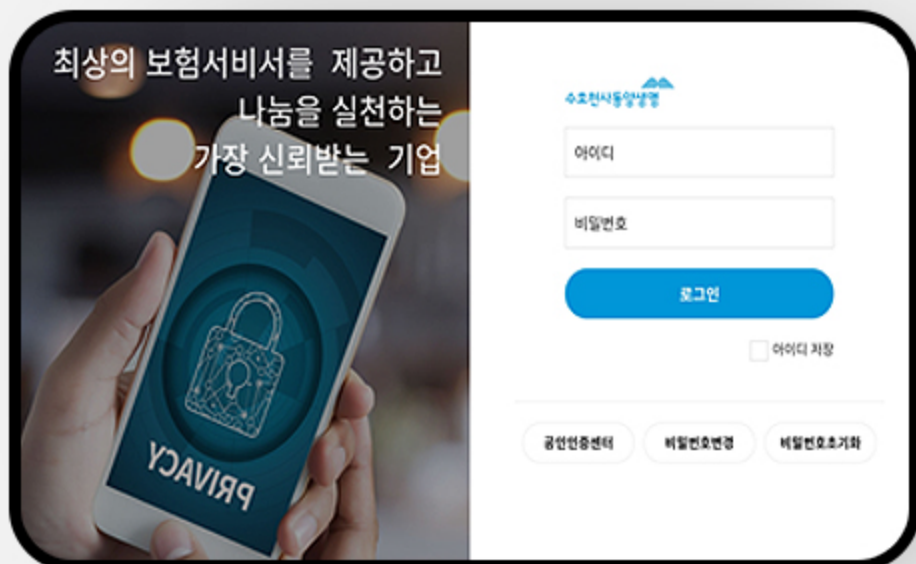
-

- Year of construction**

2020

- Operating period**

-



• Project Name

Establishment of sales support system

• Client

Dongyang Life Insurance

• Business Detail

UI/UX development for SFA system

• URL

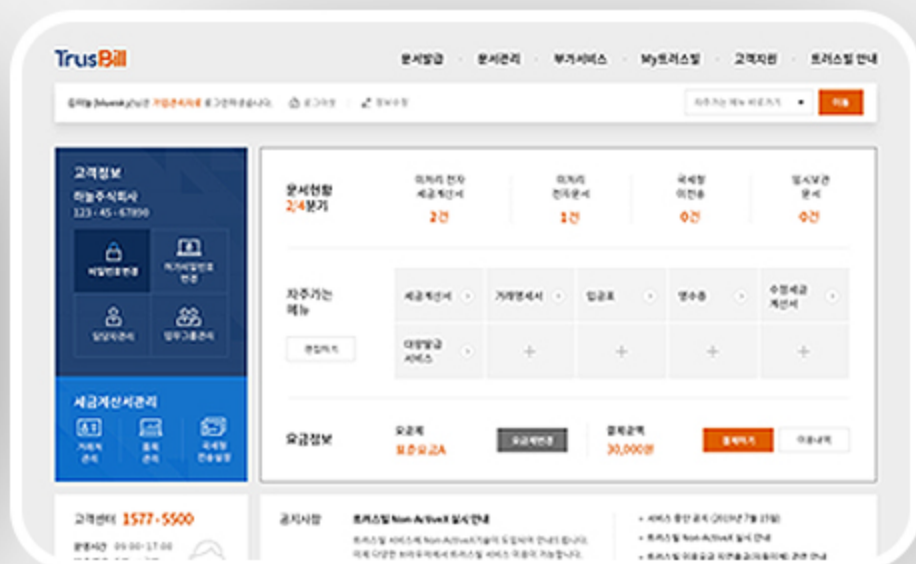
-

• Year of construction

2019

• Operating period

-



• Project Name

Reconstruction of TrusBill Homepage

• Client

Korea Financial Telecommunications and Clearings Institute

• Business Detail

Electronic tax invoice UI/UX development

• URL

<https://www.trusbill.or.kr/>

• Year of construction

2019

• Operating period

-

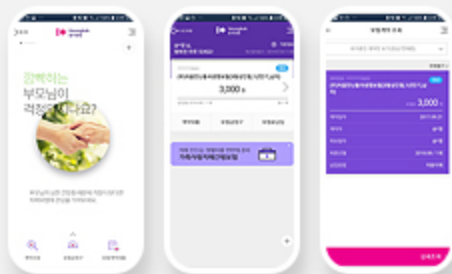
Multiple Finance Project Cases

02.PORTFOLIO

Finance



Advanced construction of Shinhan Bank's new digital asset management platform



Construction of Heungkuk Life Insurance's mobile cyber window app



Enhancement of the post office electronic financial system




Improved web accessibility of BC Card



Establishment of an integrated comparative disclosure system for financial products by the Financial Supervisory Service



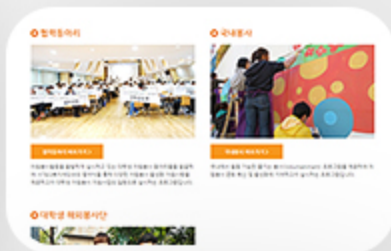
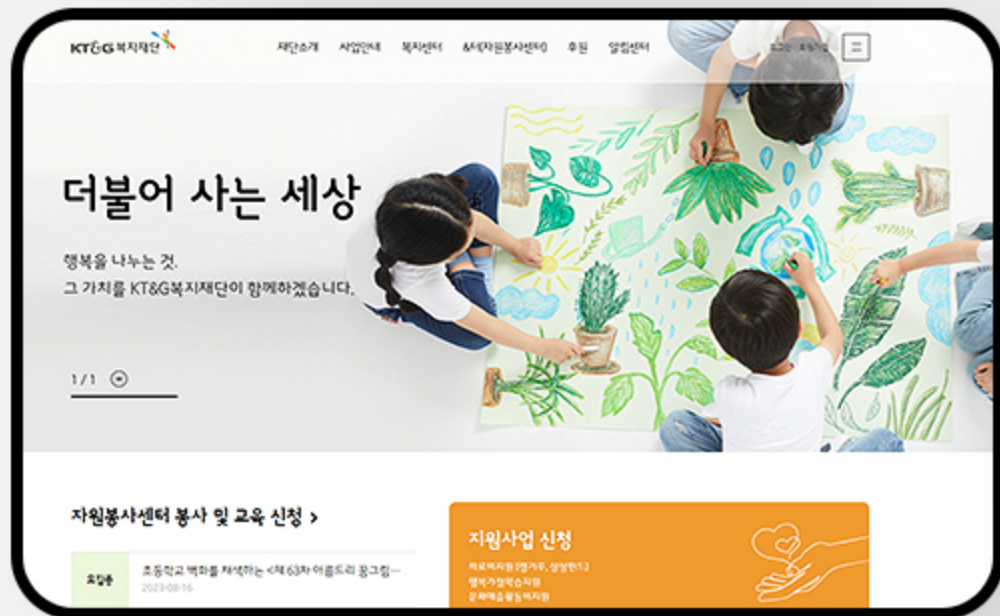
Allianz Life SFA 3rd Enhancement Project



Web & Mobile Service

Portfolio

Official & Media



<ul style="list-style-type: none"> • Project Name 	Construction/operation of KT&G Welfare Foundation website and mobile web	<ul style="list-style-type: none"> • URL 	http://www.ktngwelfare.org/
<ul style="list-style-type: none"> • Client 	KT&G Welfare Foundation	<ul style="list-style-type: none"> • Year of construction 	2021 (Upgraded construction)
<ul style="list-style-type: none"> • Business Detail 	Construction + Operation	<ul style="list-style-type: none"> • Operating period 	2020 - 2023 (conducted for 4 consecutive years)



- Project Name

Construction of Korea Economic Daily global news site

- URL

<https://www.kedglobal.com/>

- Client

Korea Economic Daily

- Year of construction

2020

- Business Detail

Constructio

- Operating period

-



• **Project Name**

Construction project for the news market system

• **URL**

<https://www.newstore.or.kr/>

• **Client**

Korea Press Foundation

• **Year of construction**

1st: 2020 / 2nd: 2021

• **Business Detail**

Construction + Operation

• **Operating period**

2021 - 2022

Construction and maintenance of Yonhap News TV's homepage



<ul style="list-style-type: none"> Project Name 	Construction and maintenance of Yonhap News TV homepage/mobile web/app	<ul style="list-style-type: none"> URL 	https://www.yonhapnewstv.co.kr/
<ul style="list-style-type: none"> Client 	Yonhap TV	<ul style="list-style-type: none"> Year of construction 	2019
<ul style="list-style-type: none"> Business Detail 	Yonhap News TV homepage upgrade	<ul style="list-style-type: none"> Operating period 	2019

Multiple Official Project Cases

02.PORTFOLIO

Official & Media



Establishment of Yonhap News' Pyeongchang Winter Olympics media pool service



Construction of website for ChildFund Korea



Construction project for World Vision web portal (My World Vision)



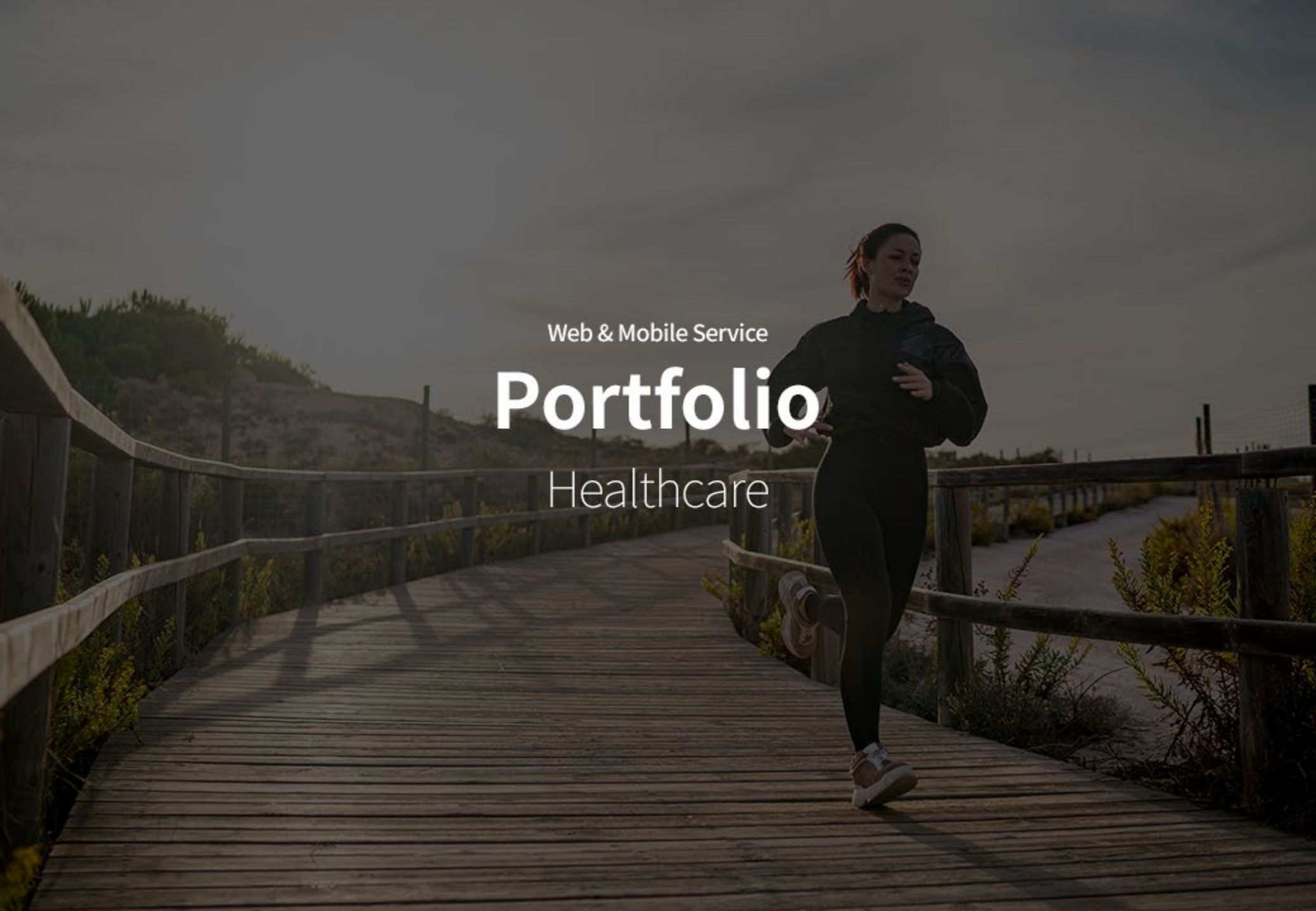
Operation and management services for the Korean Red Cross website/app



Establishment of website and support system for the Committee for Local Press



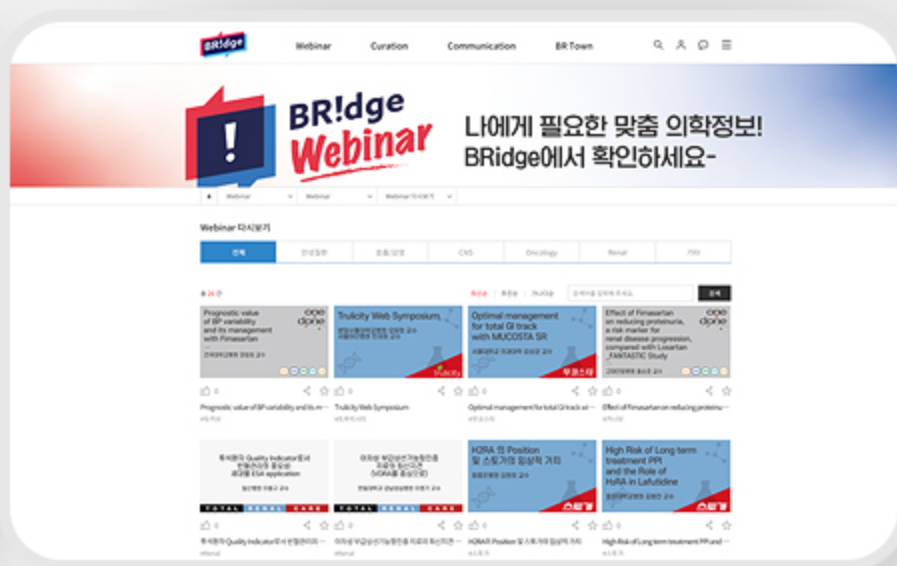
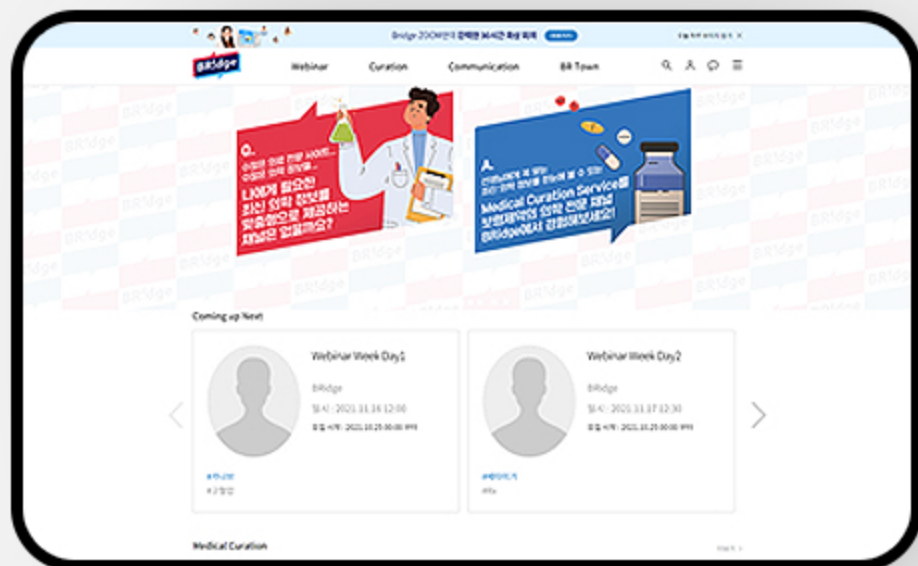
Newsstore system construction project



Web & Mobile Service

Portfolio

Healthcare



- Project Name

Construction of Bridge Healthcare Platform

- Client

Boryung Pharmaceutical

- Business Detail

Boryung Pharmaceutical BR!dge is a specialized medical information platform service for doctors.

- URL

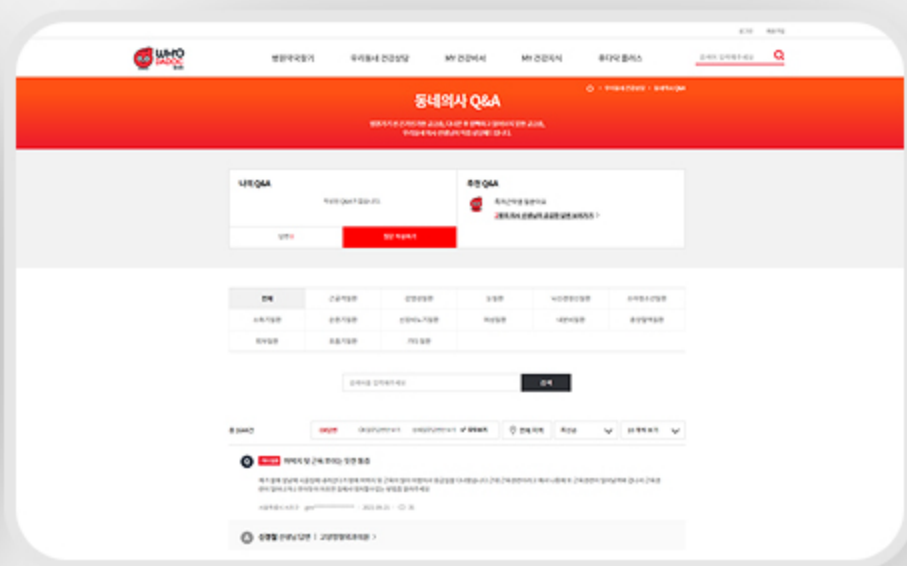
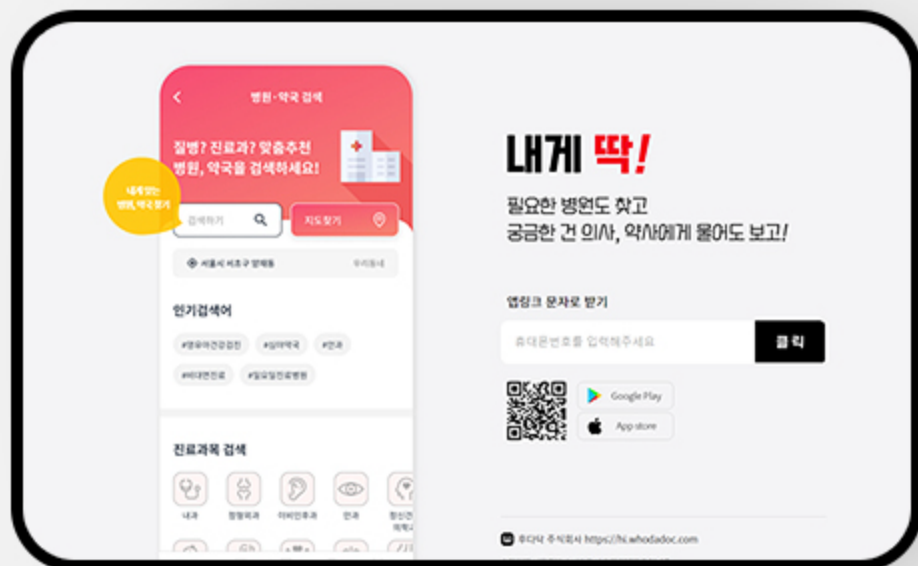
<https://www.br-idge.co.kr/>

- Year of construction

2021

- Operating period

-



• **Project Name**

Establishment of WHO DADOC doctor/medical consumer platform

• **URL**

<https://www.whodadoc.com>
<https://hcp.whodadoc.com/auth/login>

• **Client**

Ildong Pharmaceutical

• **Year of construction**

2019 - 2020

• **Business Detail**

Health secretary in your hand
 WHO DADOC is a smart healthcare platform service

• **Operating period**

2019 - present



• **Project Name**

Establishment of new Helpy application

• **URL**

<https://play.google.com/store/apps/details?id=com.helpy.mobile>

• **Client**

Eisai Korea

• **Year of construction**

2019

• **Business Detail**

Providing information for safe medication use and collecting big data on medications being taken

• **Operating period**

-



- Project Name

Homepage reconstruction service for Seoul National University Hospital Gangnam Center

- Client

Easy Medicom

- Business Detail

Construction

- URL

<https://healthcare.snuh.org>

- Year of construction

2022 - 2023

- Operating period

-



• **Project Name**

Maintenance and functional improvement of Seoul National University College of Medicine's website

• **Client**

College of Medicine, Seoul National University

• **Business Detail**

Operation

• **URL**

<https://medicine.snu.ac.kr/>

• **Year of construction**

2021

• **Operating period**

2022 – 2023
(conducted for 2 consecutive years)



• Project Name

Homepage reconstruction service for the Graduate School of Dentistry

• URL

<https://dentistry.snu.ac.kr/ko>

• Client

Graduate School of Dentistry, Seoul National University

• Year of construction

2022

• Business Detail

Construction

• Operating period

-



<ul style="list-style-type: none"> Project Name 	New construction project for the website of Ewha Womans University Urology Hospital	<ul style="list-style-type: none"> URL 	https://mokdong.eumc.ac.kr/
<ul style="list-style-type: none"> Client 	Ewha Womans University Mokdong Hospital	<ul style="list-style-type: none"> Year of construction 	2022 - 2023
<ul style="list-style-type: none"> Business Detail 	Construction	<ul style="list-style-type: none"> Operating period 	-

Multiple Healthcare Project Cases

02.PORTFOLIO

Healthcare



Seoul National University
College of Medicine



Reconstruction of
Seoul National University Hospital



Maintenance for Seoul
National University Hospital
Gangnam Center



Establishment of Boramae Hospital
certificate issuance system



Emergency patient power
connection network in Seoul area



Seoul National University
Hospital

Multiple Healthcare Project Cases

02.PORTFOLIO

Healthcare



Samsung Seoul Hospital



Konkuk University Hospital



Korea Cancer Center Hospital




Ewha Womans University
Medical Center



Ewha Womans University
Cancer Center



Seoul National University
Bundang Hospital

A person wearing a checkered shirt is pointing at a laptop screen with a pen. The laptop is open on a desk, and there are various documents and a tablet nearby. The background is a blurred office setting with a window and some plants. The overall scene is dimly lit, suggesting an indoor office environment.

Web & Mobile Service

Portfolio

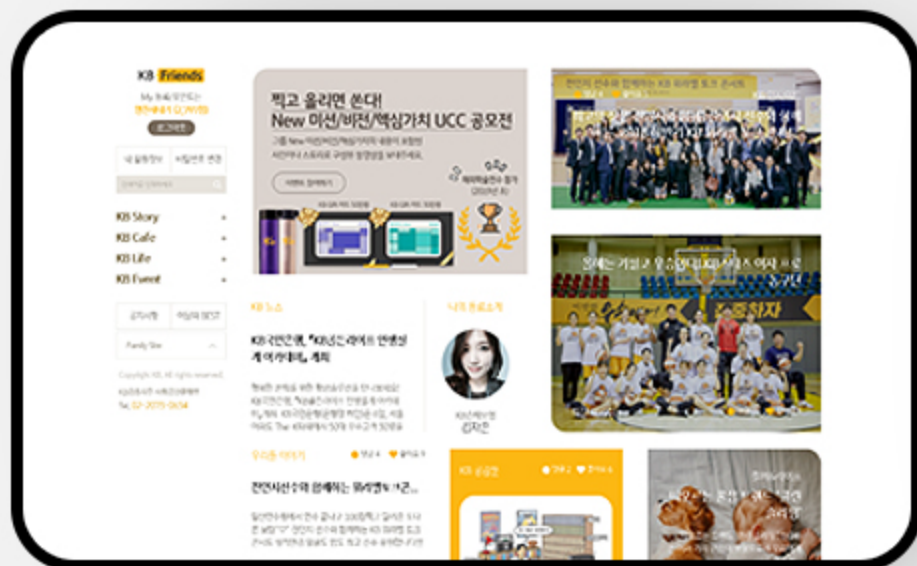
Online Marketing



Production and Operation of KB Financial Group's In-house Webzine

02.PORTFOLIO

Online Marketing



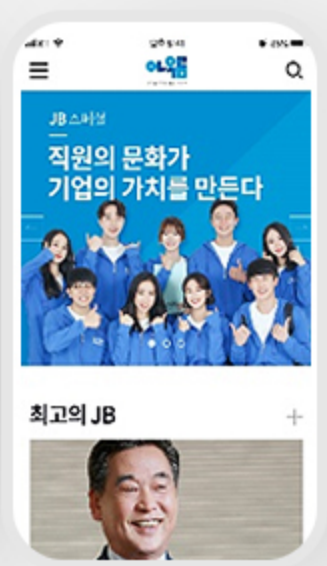
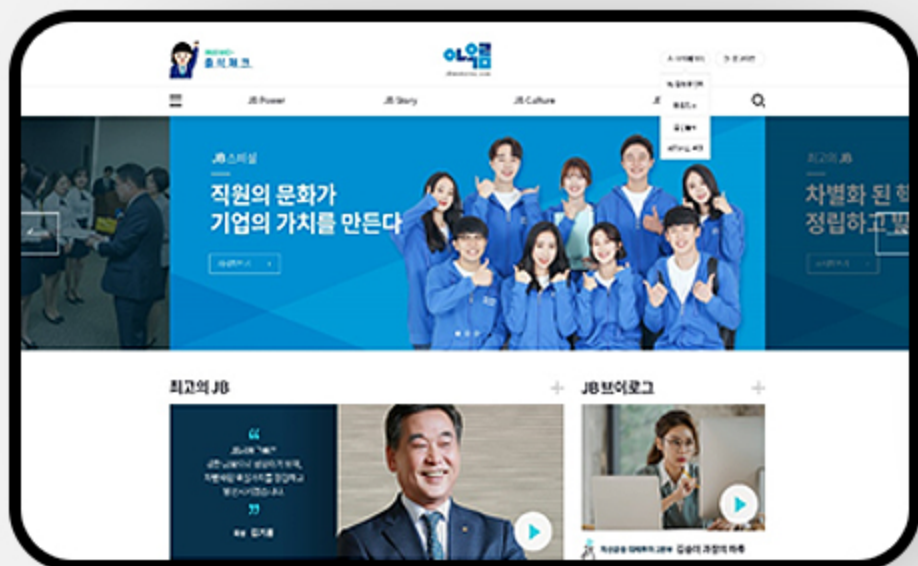
<ul style="list-style-type: none"> Project Name 	Production and operation of KB Financial Group's in-house webzine	<ul style="list-style-type: none"> URL 	https://www.kbfriends.co.kr/
<ul style="list-style-type: none"> Client 	KB Financial Group	<ul style="list-style-type: none"> Year of construction 	2019
<ul style="list-style-type: none"> Business Detail 	Production and operation of webzine for KB Financial Group employees	<ul style="list-style-type: none"> Operating period 	2019 - 2023 (conducted for 5 consecutive years)



Production and Operation of JB Financial Group's Aureum Webzine

02.PORTFOLIO

Online Marketing



• Project Name

Production and operation of JB Financial Group's Aureum webzine

• URL

<http://www.jbwebzine.com>

• Client

JB Financial Group

• Year of construction

2019

• Business Detail

Production and operation of webzine for JB Financial Group employees

• Operating period

2019 - 2020
(conducted for 2 consecutive years)

Multiple Online Marketing Project Cases

02.PORTFOLIO

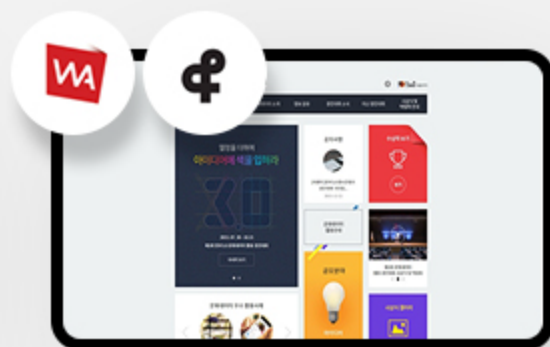
Online Marketing



Operation of Samsung Seoul Hospital's official blog and social media channels



Federation of Korean Industries' blog operation and social media marketing



The 3rd Government 3.0 Cultural Data Contest



Holding of the 2013 Public Cultural Information Idea Contest



Samsung Seoul Hospital cancer hospital opening event and promotion on social media



Campaign for 'a book-reading Korea'

Multiple Online Marketing Project Cases

02.PORTFOLIO

Online Marketing



Holding of the
'Mission complete in 297 hours' event



'Survival I am a PD'
event



'Very special e-cultural travel'
campaign




'Being Santa to your friends
and neighbors!' campaign



KB Financial Group's
'Cheer up, Korea' campaign



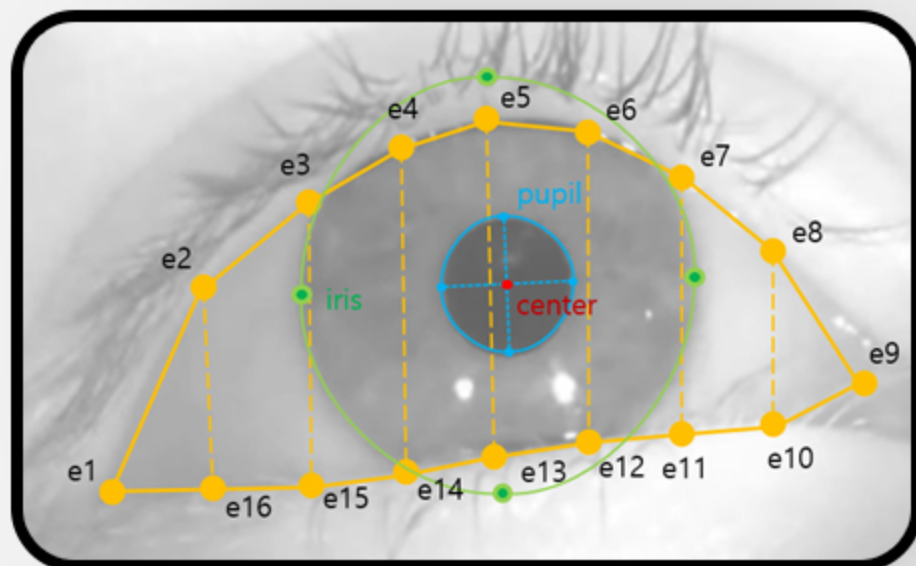
Maintenance of Samsung
Heavy Industries' website
and social media design



Web & Mobile Service

Portfolio

R&D



• **Project Name**

Building data for AI learning _ Eye movement image data

• **Client**

National Information Society Agency

• **Business Detail**

Establishment of eye movement AI learning data of over 1,500 people

• **URL**

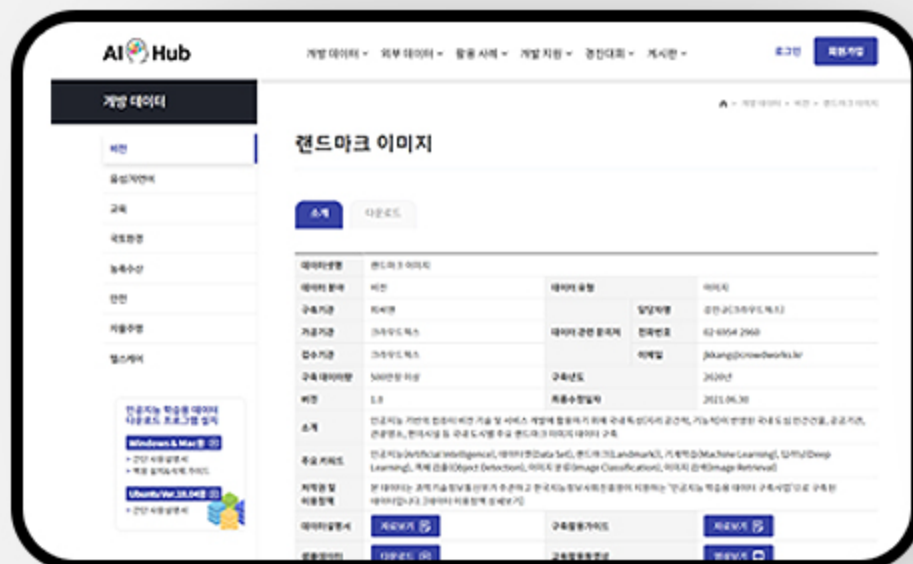
-

• **Year of construction**

2021

• **Operating period**

-



• Project Name

Building data for artificial intelligence learning_Landmark image AI data

• URL

<https://aihub.or.kr/aidata/8009>

• Client

National Information Society Agency

• Year of construction

2020

• Business Detail

Construction of landmark image AI data

• Operating period

-

thank you.

pcs