

 엘림주식회사

# Contractor Prequalification Documents

Precision Safety Diagnosis | Seismic Performance Evaluation,  
Regular & Precision Safety Inspection  
Mechanical Equipment Performance Inspection & Maintenance  
Architecture & Structural Design  
Construction Work & Repair/Maintenance



# Your Safety, Our Priority

## Greeting Message

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Dear,  
We are Elim Co., Ltd., a company that prioritizes customer safety above all else.

Our company is a specialized safety inspection institution dedicated to providing a safer environment for our customers through professional research and development as well as continuous quality improvement.

With years of experience in diagnosing various facilities and buildings, we leverage our accumulated expertise to identify our customers' needs, propose reasonable improvement solutions, and deliver accurate inspection results.

Through transparent and open communication, we strive to ensure satisfaction at every stage of a project.  
Thank you.

Elim Co., Ltd.  
All Employees

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# Smart Construction Business (S-Construction) A New Paradigm of Safety



The first step in our smart construction business was the development of a comprehensive safety inspection platform. Through this platform, facility managers can easily check legal requirements and response measures. Based on this, they can establish management plans and receive systematic reports covering everything from task execution requests to post-repair maintenance.

Our services encompass the entire safety management field, including precision safety diagnosis, periodic safety inspections, detailed safety inspections, mechanical equipment performance testing, structural safety assessments, seismic performance evaluations, repair and maintenance work, construction supervision, and industrial safety consulting. We have established an integrated service system to provide seamless safety management and create value through Elim Co., Ltd.'s technological capabilities and expertise.

By ensuring the safety of facilities—whether residential, commercial, or workspaces—we aim to introduce a new paradigm in safety management and meet customer expectations.



Safety Inspection



Mechanical Equipment Performance Testing



Design & Supervision



Repair & Maintenance



Risk Assessment





Smart Construction Business (S-Construction)

## Leading the Trend in IT Convergence: Deep Learning, AI Analysis, and Automation

Elim Co., Ltd. is committed to smart construction projects, driven by an innovative spirit to adapt to the rapidly changing construction environment and lead safety diagnostics trends. The growing demands of the construction industry go beyond just expanding technology; they require future-oriented safety solutions.

Various smart construction projects have been initiated to address this need.

Among them, the AI-driven automation system project focuses on standardizing work processes and automatically classifying integrated information, laying the foundation for systematic service development and data management.

The introduction of timely AI technologies stems from our pursuit of more specialized and professional solutions.

Going forward, we aim to analyze corrosion status, variations, and transformations to provide expert-driven insights and precise management strategies. We promise to deliver an elevated level of service by presenting data-driven solutions tailored to our clients' needs.



Deep Learning  
Algorithms



Robotic  
Automation



Big Data



Preemptive  
Asset Management



### "Accurately Inspecting Hard-to-Reach Areas"

Safety diagnosis and accident inspections often involve difficult-to-access locations. To ensure precise and practical on-site implementation, drone technology is utilized for large-scale facility inspections. Additionally, continuous research and development are being conducted to integrate drone-captured images into metaverse-based digital twins.

Smart Construction Business (S-Construction)

## Safety Inspection Utilizing the Metaverse

Safety inspections using the metaverse are an integral part of the smart construction business. By leveraging metaverse technology, a core element of the Fourth Industrial Revolution, we provide comprehensive inspection results, enabling structural analysis and decision-making in a synchronized digital environment. This allows for more precise and detailed diagnostic results, which serve as a foundation for effective repair and maintenance strategies.

Elim Co., Ltd. is committed to overcoming spatial and time constraints through technological advancements, ensuring efficient responses to various changing factors. Our goal is to create new safety management value through innovative communication and digital solutions.

### "Accurately Inspecting Hard-to-Reach Areas"

Safety diagnosis and accident inspections often involve difficult-to-access locations.

To ensure precise and practical on-site implementation, drone technology is utilized for large-scale facility inspections. Additionally, continuous research and development are being conducted to integrate drone-captured images into metaverse based digital twins.



#### Remote Operations

Online collaboration between stakeholders and experts



#### Real-Time Maintenance Management

Seamless decision-making without time constraints



#### Drone Photography

Large-scale inspections of transportation, land, and facility infrastructure



#### Integrated Data Visualization

3D visualization of map-based inspection data



360° Scanning



Drone Photograph



3D Miniature



3D Spatial Navigation

## Company Overview

- **Company Name** : Elim Co., Ltd. (Representatives: Kim Nam-jae, Kim Soon-young)
- **Business Registration Number** : 717-86-00698
- **Address** : 5th Floor, leum Center, 7-7, Gwanggyo Jungang-ro 248beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, South Korea
- **Contact Information** : TEL. 1660-1140 / FAX. 031-212-9002
- **Website** : 114.elimsafety.com/

## Corporate Vision



A global leader in future safety

### Core Values

Customer-Centric Approach    Technological Innovation    Social Responsibility

### Management Principles

Safety Management    Environmental Management    Ethical Management

“ Protecting people's lives and property ”

### 3E Goal Framework

#### Environment

- Implement ESG management
- Practice carbon neutrality
- Improve energy efficiency

#### Exploration

- Develop proprietary technologies and digitize inspection tasks
- Advance existing technologies and promote industry-academic R&D collaboration

#### Everyone

- Expand support for local communities and vulnerable groups
- Foster shared growth and practice cooperative management with partners



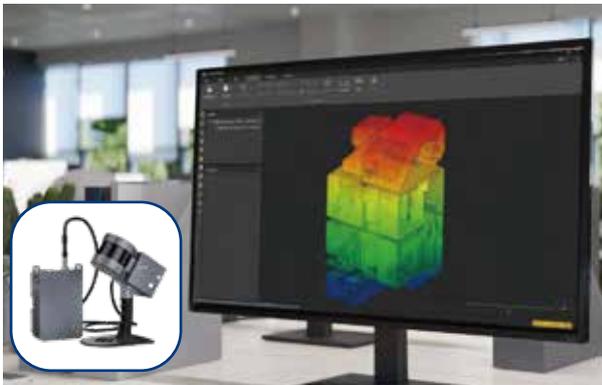
## 1 Comprehensive Safety Services

- Conduct precision safety diagnosis, seismic performance evaluation, regular safety inspections, detailed safety inspections, and mechanical equipment performance testing.
- Provide repair and reinforcement work, architectural design, structural design, structural review, and construction management.



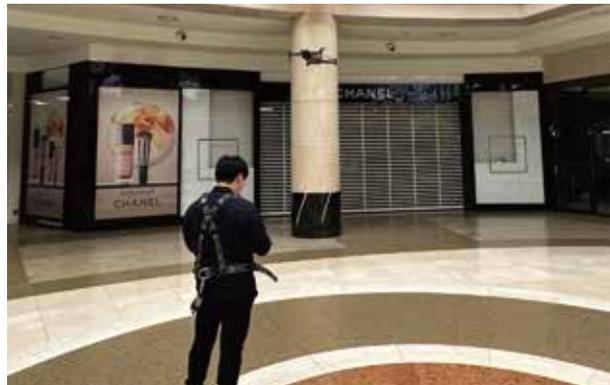
## 2 Interactive VR Content (3D Imaging)

- Convert inspection sites into VR content to provide 3D inspections, on-site experiences, and 3D video analysis.
- Allow users to view inspection results and images anytime, anywhere via mobile and web platforms.



## 3 Building Scanning Solutions

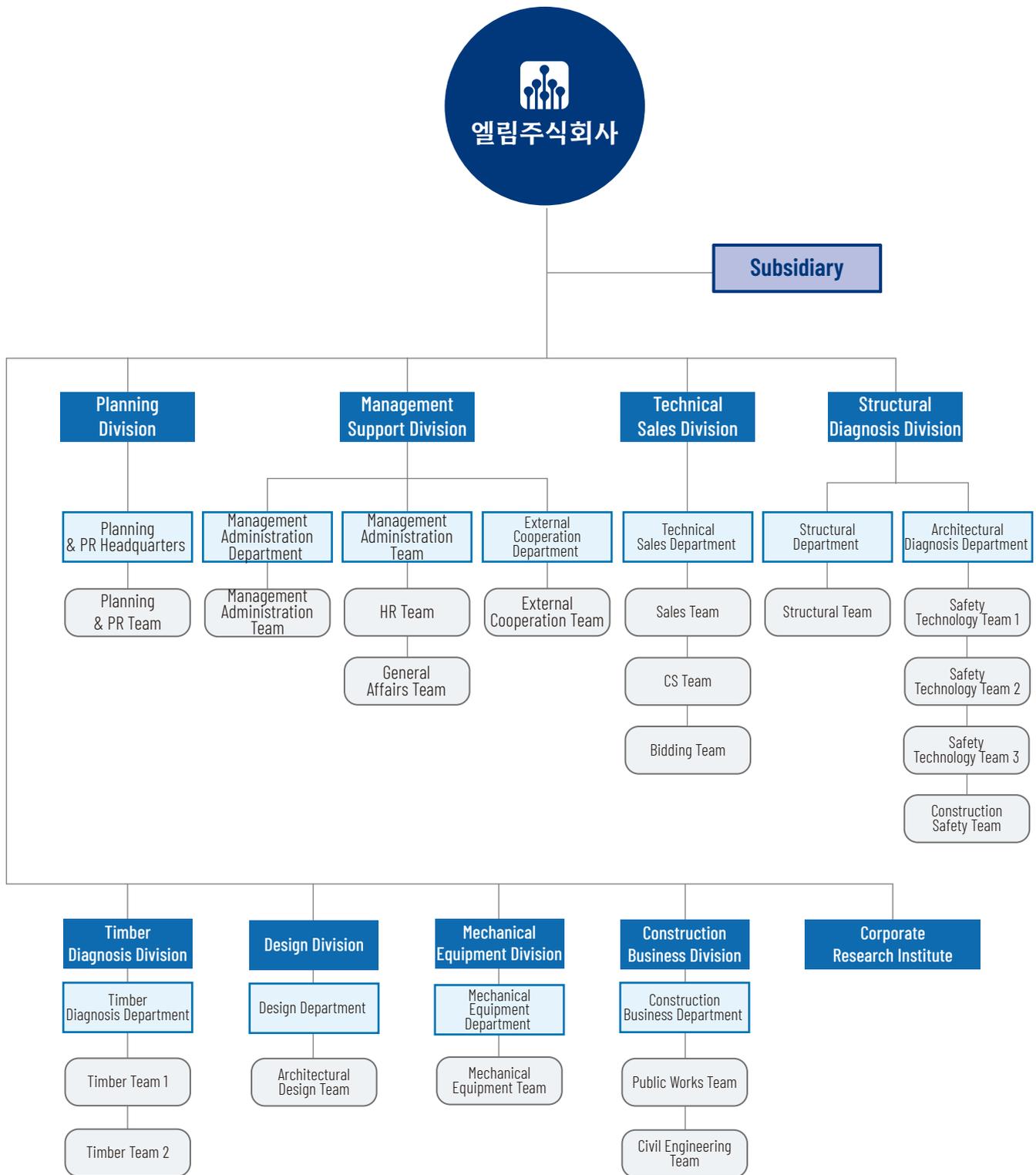
- Utilize high-precision 3D scanning to measure surface damage, spatial area confirmation, and data acquisition.
- Apply scanned data for plan generation and digital modeling of structural and non-structural elements.



## 4 Drone Operation & Imaging Services

- Conduct high-resolution aerial surveys for facility inspections and diagnostics.
- Perform accurate, unrestricted inspections of hard-to-reach areas, land-based structures, and high-rise buildings.

# Organization Chart



## History of Elim

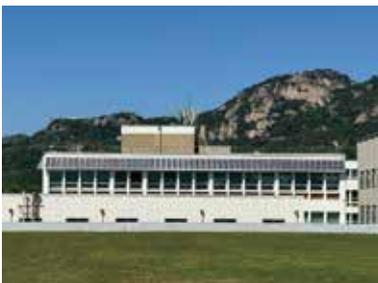
# History of Elim



On-site support for safety diagnosis and inspection of Nohu Apartment.



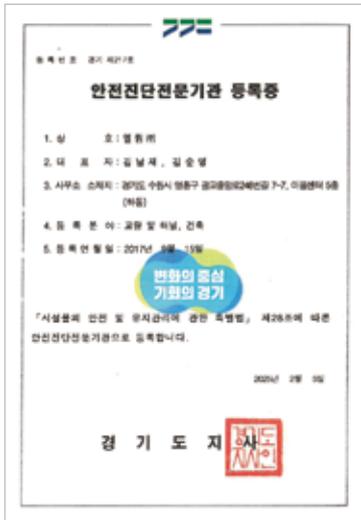
Site Applying Steel Brace Construction Method (Seismic Reinforcement Method)



Conducting Detailed Safety Diagnosis and Seismic Performance Evaluation of the Blue House

- 2017**
  - May 24** Established as a corporation
  - September 15** Registered as a specialized building safety diagnosis institution
- 2019**
  - January 30** Engineering business registration
  - May 23** Established Corporate Research Institute
  - July 30** Acquired ISO 9001 / ISO 14001 certification
  - December 16** Registered as a venture company
- 2020**
  - June 4** Registered as a construction engineering firm (design & project management)
  - July 1** Registered as a facility maintenance business
  - July 27** Registered for Green Remodeling
- 2022**
  - January 1** Registered as a construction business
  - March 7** Registered as a specialized railway safety diagnosis institution
  - March 14** Patent registered: "Precast Concrete Load-Bearing Wall with Transmission Device"
  - July 15** Construction diagnosis division awarded the Minister of Land, Infrastructure, and Transport Prize at the Green Architecture Environment Technology Awards
  - September 29** Mechanical equipment performance evaluation registration
- 2023**
  - February 23** Patent registered: "Stacked Double Beam Retention Steel"
  - February 27** Registered as a specialized safety diagnosis institution for earthworks (retaining walls)
  - April 12** Patent registered: "Slab Housing Beam Type Interior Retention Device"
  - September 19** Awarded the Administrative Safety Minister's Prize for Social Contribution
- 2024**
  - April 2** Registered as a housing construction business
  - June 1** Kim Nam-tae appointed as CEO
  - July 1** Launched "Safety 114" brand
  - August 20** Patent registered: "Seismic Testing Apparatus for Non-Structural Components of Buildings"
  - September 3** Patent registered: "Public Structure Joints Using Concrete Construction"
  - September 6** Selected as a "Smart Construction Leading Company" by the Ministry of Land, Infrastructure, and Transport
  - October 23** Selected as a Promising Small Business in Gyeonggi Province
- 2025**
  - February 5** Registered as a women-owned business (CEO Kim Seon-young)

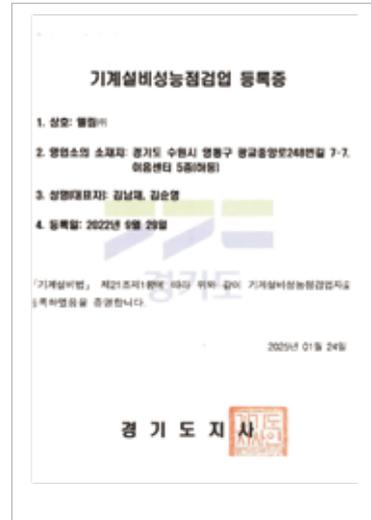
# Certifications and Awards



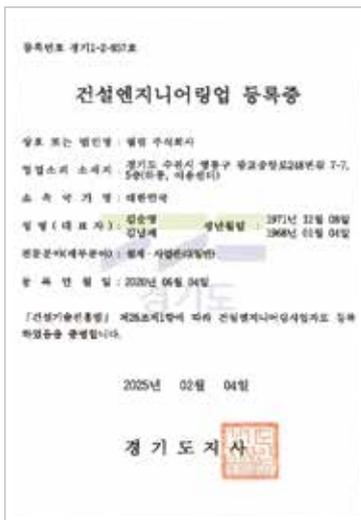
Certificate of Registration as a Specialized Safety Inspection Institution for Architecture and Civil Engineering (Bridges and Tunnels)



Certificate of Registration as a Specialized Safety Inspection Institution for Railway Facilities



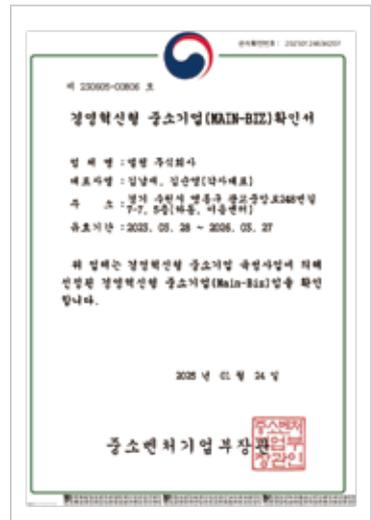
Certificate of Registration for Mechanical Facility Performance Inspection Business



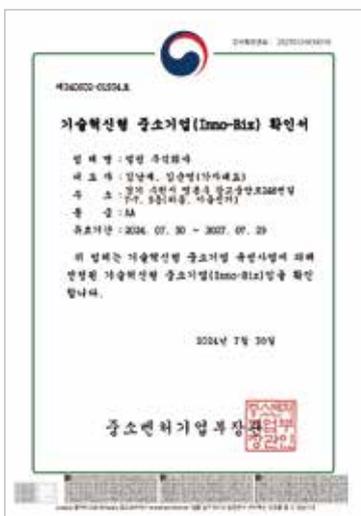
Construction Engineering Registration Certificate



Corporate Research Institute Certification



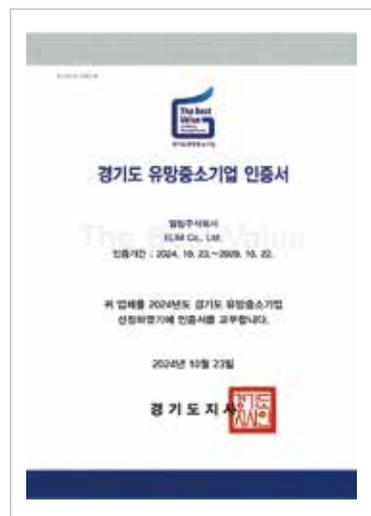
Main-Biz Certification



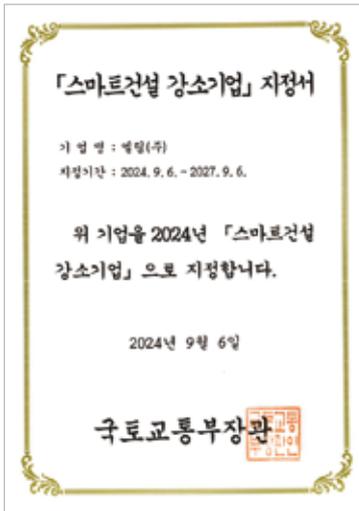
Inno-Biz Certification



Women-Owned Business Certification



Gyeonggi Province Promising SME Certification



Smart Construction SME Designation Certificate



Minister of Land, Infrastructure and Transport Award in the Construction Safety Category



Minister of the Interior and Safety Award for Social Contribution



Double Beam Reinforcement System with Adjustable Device for Grid-Type Beams and Its Construction Method (Patent No. 10-2504521)



Seismic Wall Using PC (Precast Concrete) with Shear Keys and Its Construction Method (Patent No. 10-2375506)



Steel Frame Seismic Reinforcement Structure Assembled Using a Sleeve Joint Method (Patent No. 10-2252487)



Seismic Performance Testing Device for Non-Structural Elements of Buildings (Patent No. 10-2698284)



Equal Water Distribution Device for Concrete Buildings (Patent No. 10-2703975)



Quality Management Certification (ISO 9001) Environmental Management Certification (ISO 14001)

## Key Technical Personnel

Position	Grade	Category	Qualification Details
CEO	Special Grade Technician	Architecture	Architectural Engineering Technician
Vice President	Special Grade Technician	Architecture	Architectural Structure Technician
Vice President	Special Grade Technician	Civil Engineering	Civil Engineering Structure Technician
Executive Director	High Grade Technician	Civil Engineering	Surveying and Geospatial Information Engineer
Advisory Committee	University Professor	Architecture	Real Estate Asset Management
Advisor	Special Grade Technician	Civil Engineering	Civil Engineer, Surveying and Geospatial Information Engineer
Director	Special Grade Technician	Architecture	Architect
Director	Special Grade Technician	Architecture	Architectural Structure Technician
Director	High Grade Technician	Architecture	Architect
General Manager	Special Grade Technician	Mechanical Equipment	Mechanical Engineer
General Manager	Special Grade Technician	Mechanical Equipment	General Machinery Engineer
General Manager	Special Grade Technician	Mechanical Equipment	Industrial Functional Technician
General Manager	Special Grade Technician	Mechanical Equipment	Energy Management Functional Technician
Deputy General Manager	High Grade Technician	Mechanical Equipment	General Machinery Engineer
Deputy General Manager	Special Grade Technician	Architecture	Architect, Construction Safety Engineer
Deputy General Manager	Special Grade Technician	Civil Engineering	Civil Engineer
Division Manager	Special Grade Technician	Architecture	Architect
Division Manager	High Grade Technician	Architecture	Architect, Construction Safety Engineer
Section Manager	High Grade Technician	Civil Engineering	Civil Engineer
Section Manager	High Grade Technician	Architecture	Architectural Industry Engineer
Section Manager	Special Grade Technician	Civil Engineering	Civil Engineer
Section Manager	Beginner Technician	Mechanical Equipment	Architectural Equipment Engineer
Assistant Manager	Intermediate Technician	Architecture	Architectural Industry Engineer
Assistant Manager	Beginner Technician	Architecture	Construction Electrical Engineer
Assistant Manager	Beginner Technician	Architecture	Power Distribution Construction System Functional Technician
Assistant Manager	High Grade Technician	Architecture	Architect, Construction Safety Engineer
Assistant Manager	Beginner Technician	Architecture	Professional Engineer
Assistant Manager	Beginner Technician	Architecture	Construction Safety Engineer
Senior Engineer	Beginner Technician	Civil Engineering	Civil Engineer
Senior Engineer	Intermediate Technician	Architecture	Architect, Information Processing Engineer
Staff	Beginner Technician	Architecture	Architect
Staff	Beginner Technician	Architecture	Architect

# Status of Non-Destructive Inspection Equipment for Mechanical Facilities

## 1 Infrared Thermal Imaging Camera



**Model** GTC400C

**Usage** Detecting heat loss in exhaust equipment, etc.

## 2 Digital Pressure Gauge



**Model** PS - 9302

**Usage** Measuring static, dynamic, and differential pressure

## 3 Flue Gas Analyzer



**Model** AQ - 9912SD

**Usage** Measuring O<sub>2</sub>, CO<sub>2</sub>, and CO/NO<sub>x</sub>

## 4 Infrared Thermometer



**Model** TM - 958

**Usage** Measuring surface temperature

## 5 Digital Anemometer



**Model** LM - 81AM

**Usage** Measuring airflow speed in ventilation systems, etc.

## 6 AC Power Meter



**Model** CM - 9930R

**Usage** Measuring voltage and current

## 7 Ultrasonic Thickness Gauge



**Model** SA40EZ

**Usage** Measuring thickness

## 8 Outside Micrometer Caliper



**Model** SD500 - 150PRO

**Usage** Measuring thickness and dimensions

## 9 Carbon Dioxide Meter



**Model** CG - 2028

**Usage** Measuring CO<sub>2</sub> levels

## 10 Carbon Monoxide Meter



**Model** GCO - 2008

**Usage** Measuring CO levels

## 11 Moisture Analyzer



**Model** YK - 2001PHA

**Usage** Measuring vibration

## 12 Exhaust Pipe Inspection Camera



**Model** GIC - 120C

**Usage** Internal inspection of exhaust pipes

# Status of Building and Civil Engineering Diagnostic Equipment

## 1 Rebound Hammer



**Model** PROCEQ SCHMIDT NR - 10  
**Usage** Measuring concrete surface strength

## 2 Ultrasonic Tester



**Model** CHT225 - A  
**Usage** Measuring concrete ultrasonic strength

## 3 Ultrasonic Tester



**Model** SONICON - 32  
**Usage** Measuring concrete ultrasonic strength

## 4 Ultrasonic Tester



**Model** UK 1401 SUPER  
**Usage** Measuring concrete ultrasonic strength

## 5 Ultrasonic Tester



**Model** TS - 5000  
**Usage** Measuring concrete ultrasonic strength

## 6 Rebar Scanner



**Model** Ferroscan PS - 250  
**Usage** Investigating rebar cover depth

## 7 Rebar Scanner



**Model** PM - 650AI  
**Usage** Investigating rebar cover depth

## 8 Rebar Corrosion Meter (Natural Potential Method)



**Model** JC - 2500  
**Usage** Measuring rebar corrosion

## 9 Rebar Corrosion Meter (Electrical Resistance Method)



**Model** JR - 3500  
**Usage** Measuring rebar corrosion

### 10 Ultrasonic Thickness Tester



**Model** NDT - 11  
**Usage** Measures material thickness

### 11 Vibration Meter



**Model** LANDTEX VM - 6360  
**Usage** Measures vibration

### 12 Static/Dynamic Strain Gauge



**Model** STRAIN METER CI - 10W  
**Usage** Measures strain sensor values

### 13 Core Drilling Machine



**Model** RC - 5A  
**Usage** Concrete core extraction

### 14 Leveling Instrument



**Model** GOL - 32D  
**Usage** Measures height levels

### 15 Moisture Meter



**Model** LUTRON YK - 31SA  
**Usage** Measures moisture content

### 16 Coating Thickness Gauge



**Model** CEM DT - 156  
**Usage** Measures coating thickness

### 17 Theodolite



**Model** ET - 05F  
**Usage** Measures building angles

### 18 Magnetic Particle Tester



**Model** MP - A2  
**Usage** Detects defects in steel structures



## Precise Safety Diagnosis

### "At the center of a developed future are people and safety"

We conduct precise investigations on finishing materials, structures, and non-structural elements, including material property tests, concrete compressive strength tests, foundation stability assessments, corrosion and neutralization analysis, and structural integrity evaluations. Our goal is to provide maintenance, repair solutions, and management plans based on these assessments.

Structural Integrity and Condition Investigation



> Measurement and analysis of crack depth, identification of causes, leak inspection, and finishing material assessment

Material Quality Testing



> Measurement of concrete strength, chloride ion content analysis, and carbonation depth measurement

Steel Material Quality Testing

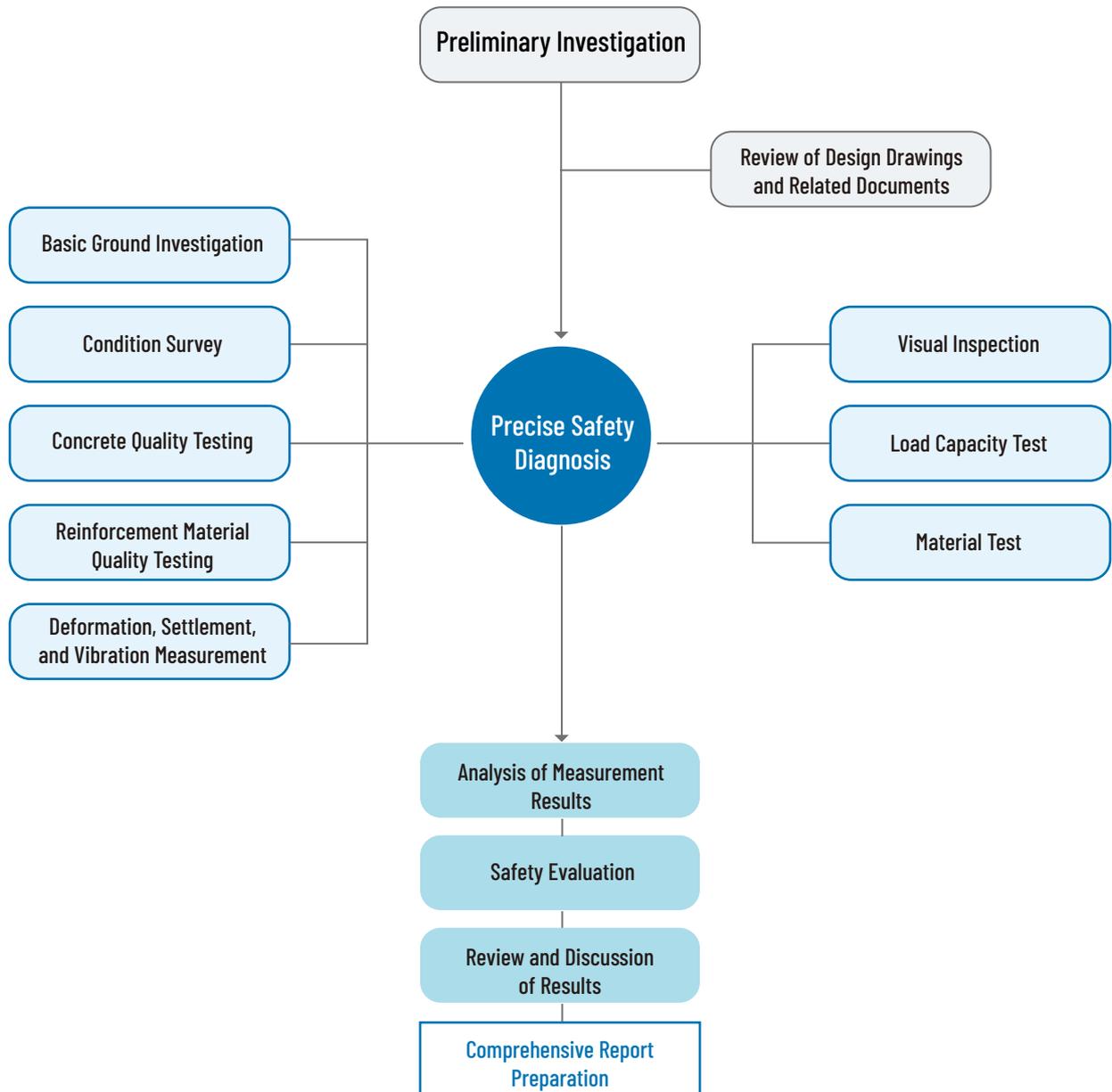


> Investigation of steel joints, fireproof coating assessment, and corrosion level analysis

## Overview of Precise Safety Diagnosis

Precise safety diagnosis is the process of thoroughly investigating, measuring, and evaluating the structural safety and causes of defects in a facility. It involves assessing the condition and structural safety of a facility, evaluating seismic performance, and securing the necessary data for maintenance and repair works. The optimized evaluation results and management plans are then provided to the facility management entity.

## Work Process



## Major Achievements of Precise Safety Diagnosis



### Cheongwadae (Blue House) Yeomin Hall 2 and 4 Other Buildings

- **Client** : Cheongwadae Foundation
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 14,550.55 m<sup>2</sup>
- **Start Date** : April 2024



### Tower Palace Phase 3

- **Client** : Tower Palace Phase 3 Residential Support Center
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 222,720.84 m<sup>2</sup>
- **Start Date** : June 2020

### Gangnam Finance Center

- **Client** : GFC Property Management Corporation
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 212,615.29 m<sup>2</sup>
- **Start Date** : August 2021



### Busan Exhibition & Convention Center (BEXCO)

- **Client** : Busan Exhibition & Convention Center (BEXCO)
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 122,039.6 m<sup>2</sup>
- **Start Date** : April 2023



### S-Oil Office Building

- **Client** : S-Oil Management Office
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 40,097.48 m<sup>2</sup>
- **Start Date** : June 2022



### Kyonggi University - 5 Buildings

- **Client** : Kyonggi University
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 29,895.4 m<sup>2</sup>
- **Start Date** : June 2023



### Korea Development Bank Headquarters

- **Client** : Korea Development Bank
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 99,853.16 m<sup>2</sup>
- **Start Date** : June 2022



### Haeundae The Sharp Centum Star

- **Client** : The Sharp Centum Star Management Team
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 206,165.29 m<sup>2</sup>
- **Start Date** : August 2019



### Seongnam General Bus Terminal

- **Client** : Tema R&D Co., Ltd.
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 205,754.26 m<sup>2</sup>
- **Start Date** : February 2019





### Hanwha Hotels & Resorts - Seorak

- **Client** : Hanwha Hotels & Resorts Co., Ltd.
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 119,805.6 m<sup>2</sup>
- **Start Date** : November 2023



### Woongjin Playdoci

- **Client** : Woongjin Playdoci Co., Ltd.
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 97,534.74 m<sup>2</sup>
- **Start Date** : June 2023

### Mando Global R&D Center

- **Client** : Mando Corporation
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 56,690.3 m<sup>2</sup>
- **Start Date** : August 2023



### Haeundae I-Park - 3 Buildings

- **Client** : Haeundae I-Park Residential Support Center
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 446,187.3 m<sup>2</sup>
- **Start Date** : November 2022



### Acrovista

- **Client** : Acrovista Management Team
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 258,427.5 m<sup>2</sup>
- **Start Date** : September 2024



### Osan Integrated Logistics Center

- **Client** : Hanwha Hotels & Resorts Co., Ltd.
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 200,548.78 m<sup>2</sup>
- **Start Date** : August 2023



### CHA Advanced Convergence Technology Institute

- **Client** : CHA Advanced Convergence Technology Institute Foundation
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 52,487.74 m<sup>2</sup>
- **Start Date** : January 2024



### Sindorim 1st Prugio

- **Client** : Sindorim 1st Prugio Management Team
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 187,697.21 m<sup>2</sup>
- **Start Date** : August 2023



### Songdo Centroad - 3 Buildings

- **Client** : Songdo Centroad Residential Support Center
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 201,951.97 m<sup>2</sup>
- **Start Date** : October 2022



### Seohyeon Station AK Plaza

- **Client** : AK&S Co., Ltd.
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 119,535.3 m<sup>2</sup>
- **Start Date** : November 2023

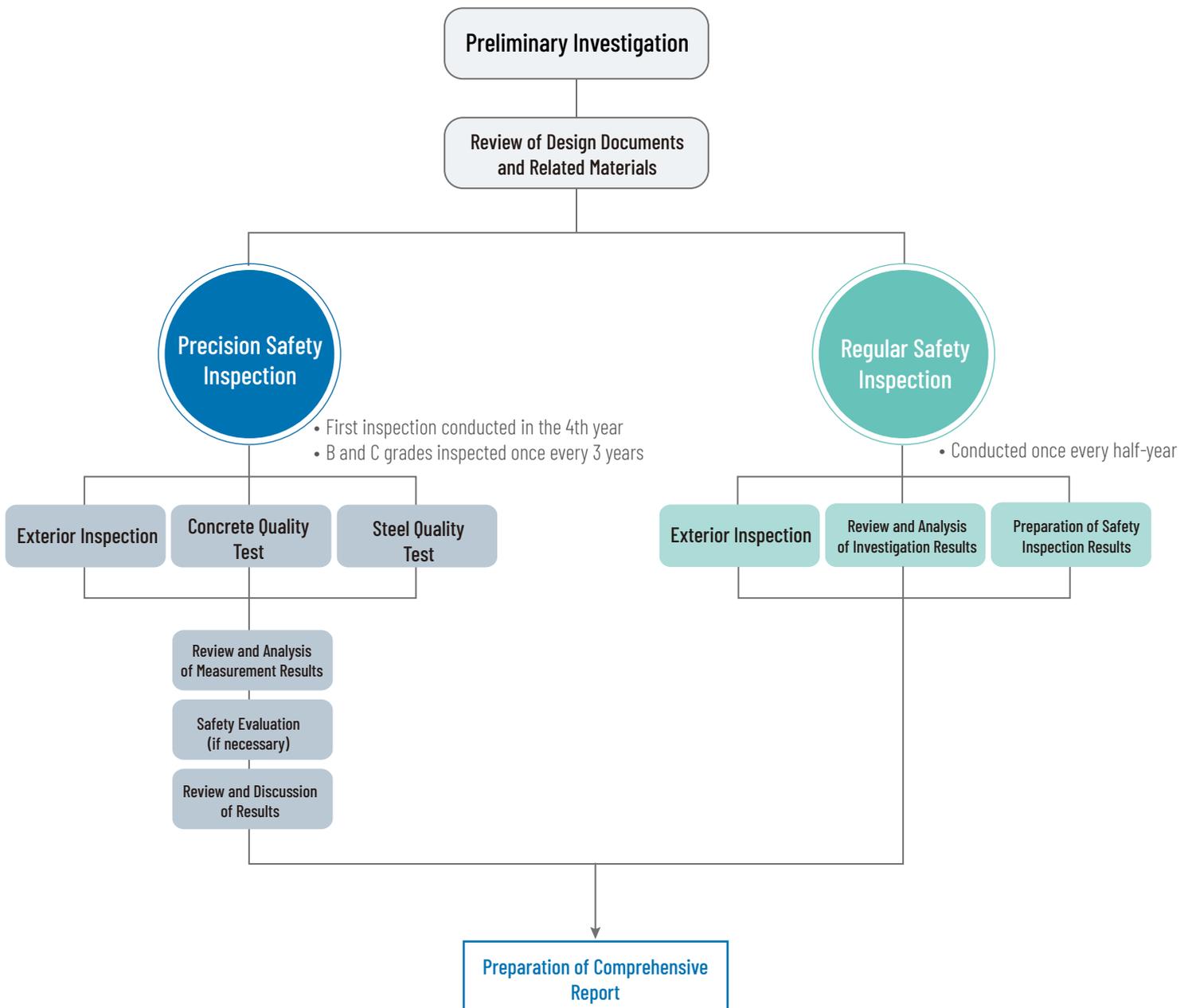


# Overview of Precise Safety Inspection and Regular Safety Inspection

The Precise Safety Inspection and Regular Safety Inspection are legal obligations conducted under Article 11, Paragraph 1 of the Special Act on the Safety and Maintenance of Facilities.

Facility managers must conduct these inspections within the designated period according to the building type and safety rating.

## Work Process



# Major Achievements of Precise Safety Inspection and Regular Safety Inspection



## Suwon World Cup Stadium

- **Client** : Gyeonggi-do Suwon World Cup Stadium Foundation
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 93,431.23m<sup>2</sup>
- **Start Date** : January 2022, etc.



## LG Seocho R&D Campus

- **Client** : LG Electronics Seocho R&D Campus
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 124,056.92m<sup>2</sup>
- **Start Date** : January 2023



## Yonsei University Songdo International Campus

- **Client** : Yonsei University Foundation
- **Scope** : Regular safety inspection
- **Total Area** : 237,256.3m<sup>2</sup>
- **Start Date** : May 2023



### Seoul Station Private Station Building

- **Client** : Hanwha Station Development Co., Ltd.
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 79,179.62 m<sup>2</sup>
- **Start Date** : December 2021



### KB Insurance Building

- **Client** : KB Insurance
- **Scope** : Regular safety inspection
- **Total Area** : 26,490.02 m<sup>2</sup>
- **Start Date** : July 2023



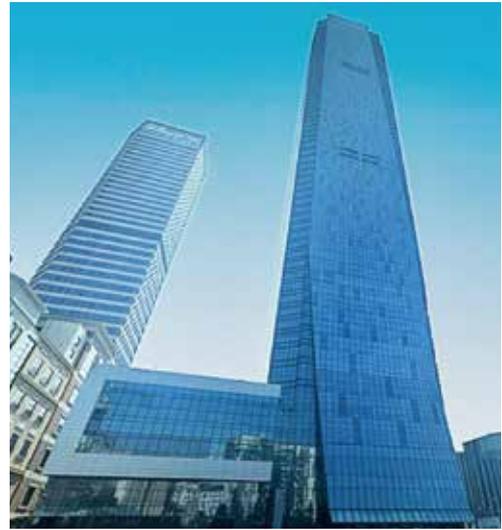
### YTN News Square

- **Client** : S&I Corporation
- **Scope** : Regular safety inspection
- **Total Area** : 57,341.42 m<sup>2</sup>
- **Start Date** : December 2023



### LG Gasan Digital Center

- **Client** : LG Gasan Digital Operations Center
- **Scope** : Regular safety inspection
- **Total Area** : 74,986.1 m<sup>2</sup>
- **Start Date** : April 2023



### Busan International Financial Center

- **Client** : Busan International Financial Center Management Team
- **Scope** : Regular safety inspection
- **Total Area** : 197,841.01 m<sup>2</sup>
- **Start Date** : January 2024



### KT Information Asset Center

- **Client** : S&I Corporation
- **Scope** : Regular safety inspection
- **Total Area** : 90,209.9 m<sup>2</sup>
- **Start Date** : June 2023



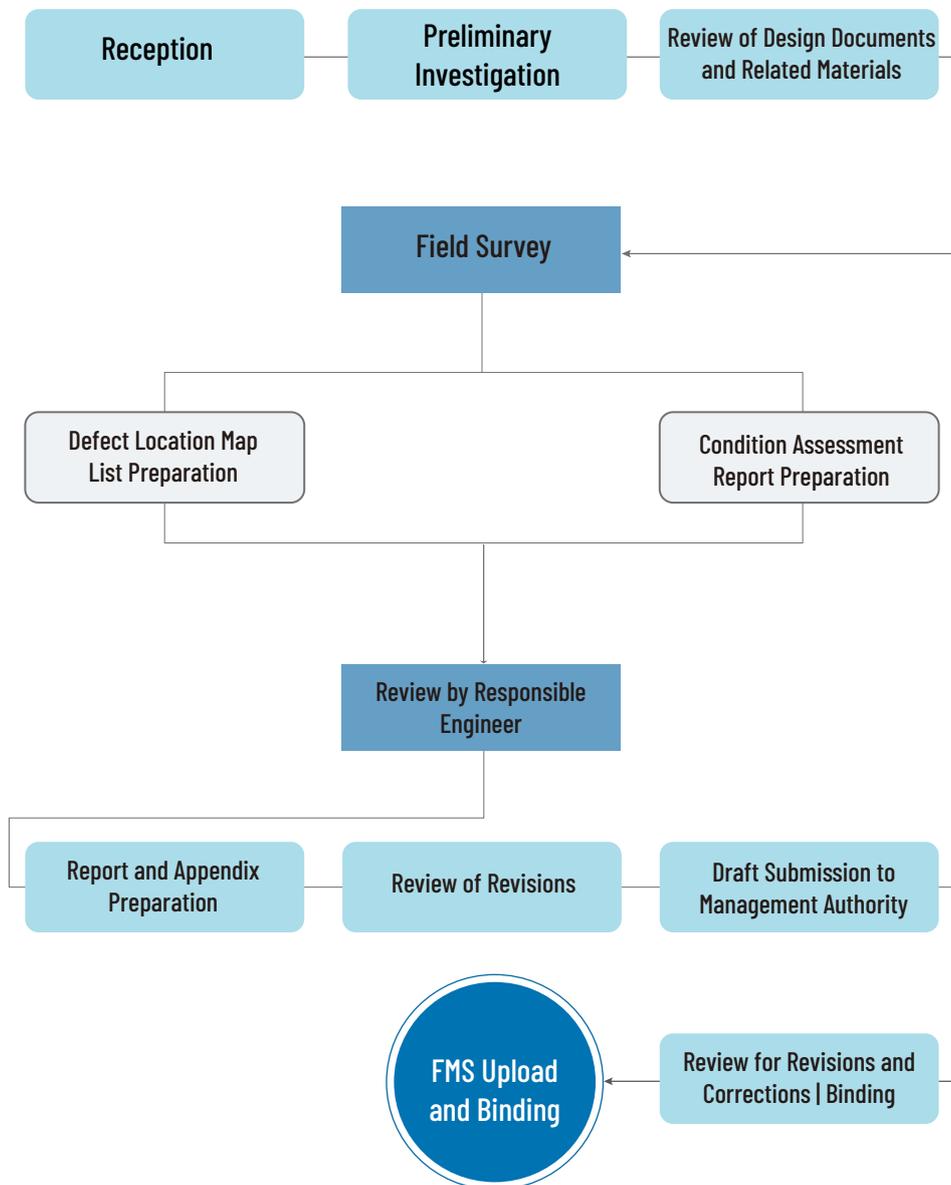
### KB Kookmin Bank Headquarters

- **Client** : KB Kookmin Bank Co., Ltd.
- **Scope** : Precision Safety Diagnosis and Seismic Evaluation
- **Total Area** : 39,649.9 m<sup>2</sup>
- **Start Date** : December 2022

## Overview of Earthwork Safety Diagnosis and Inspection

We conduct safety inspections and assessments for earthwork facilities. Skilled technical personnel systematically carry out tasks according to legal standards. For concrete retaining walls, embankments, and various vulnerable facilities, we propose long-term management plans to ensure durability and provide detailed inspection results as part of maintenance measures.

### Work Process



# Major Achievements of Earthwork Safety Diagnosis and Inspection



## Cheonan Independence Movement Road Ecological Tunnel

- **Client** : Cheonan City Forest Recreation Division
- **Scope** : Precise Safety Diagnosis of the Cheonan-Mokcheon Independence Movement Road Ecological Tunnel
- **Size** : Length 48 m | Height 10 m
- **Start Date** : October 2023
- **Location** : Ilsan-ri, Mokcheon-myeon, Cheonan City



## Seonghwan Water Purification Center

- **Client** : Cheonan City Clean Water Business Department
- **Scope** : Precise safety inspection of Seonghwan Water Purification Center
- **Size** : 30,000 m<sup>3</sup>
- **Start Date** : October 2023
- **Location** : Seonghwan-eup, Seobuk-gu, Cheonan City



## Ulsan Thermal Power Plant S/Y Cut Slope

- **Client** : Korea East-West Power Co., Ltd.
- **Scope** : Precise safety inspection of the Ulsan Thermal Power S/Y Cut Slope
- **Size** : Length 285 m | Height 47.4 m
- **Start Date** : April 2023
- **Location** : 623 Yongjang-ro, Nam-gu, Ulsan



## Gwanggyo Wrestling Gymnasium

- **Client** : Suwon Special City Sports Promotion Division
- **Scope** : Precise safety diagnosis of the Gwanggyo Wrestling Gymnasium
- **Size** : Length 41 m | Height 6.5 m
- **Start Date** : July 2023
- **Location** : 154-42 Gwanggyosan-ro, Yeongtong-gu, Suwon City



## Mechanical Equipment Performance Inspection and Maintenance



### “The Beginning of Energy Savings”

We provide inspection, performance improvement plans, and energy usage assessment results for 26 types of equipment, including cooling towers, refrigerators, and boilers.

Cooling Tower Inspection



> Inspection of cooling tower structure and vibration, disinfection equipment, and cooling water contamination status

Refrigerator Inspection



> Internal pressure, allowable pressure, combustion device, and energy consumption inspection

Boiler Inspection

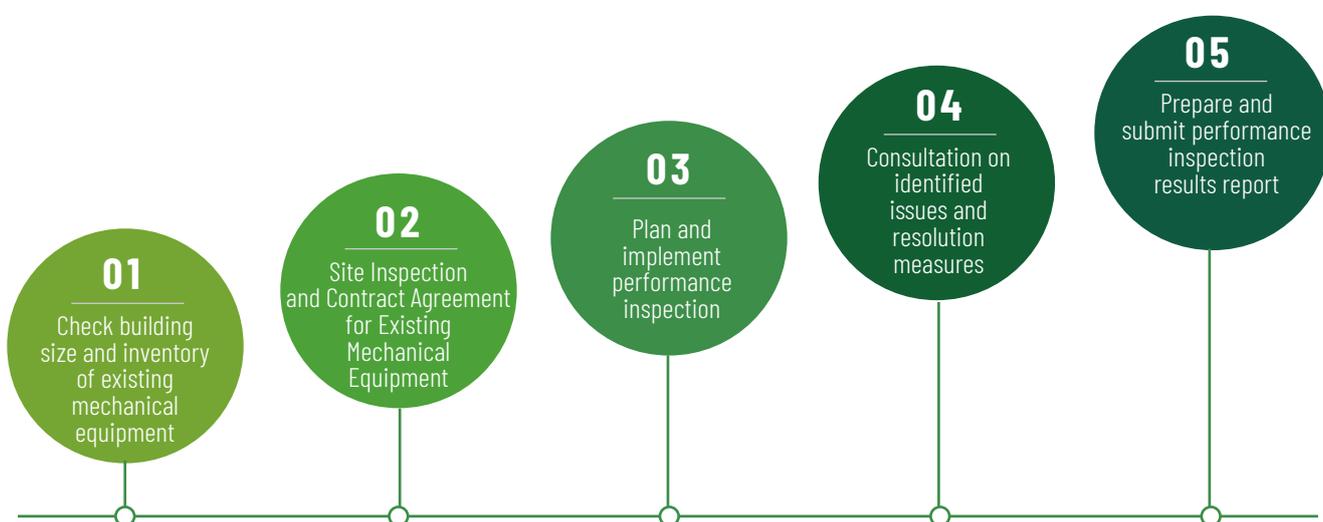


> Burner combustion, chemical injector status inspection, and exhaust gas composition measurement

# Overview of Mechanical Equipment Performance Inspection

Mechanical equipment performance inspection is a specialized assessment aimed at professional maintenance management, energy savings, and lifespan extension of mechanical systems. We ensure seamless operation through continuous employee training and the use of advanced equipment, while delivering standardized and efficient services.

## Work Process



Mechanical Equipment  
Performance Inspection

## Mechanical Equipment Performance Inspection Targets & Deadlines

<ul style="list-style-type: none"> <li>Buildings with a total floor area of 30,000 m<sup>2</sup> or more</li> <li>Apartment complexes with over 2,000 units</li> </ul>	<ul style="list-style-type: none"> <li>Buildings with a total floor area of 15,000 m<sup>2</sup> to less than 30,000 m<sup>2</sup></li> <li>Apartment complexes with 1,000 to 2,000 units</li> </ul>	<ul style="list-style-type: none"> <li>Apartment complexes with a total floor area of 10,000 m<sup>2</sup> to less than 15,000 m<sup>2</sup></li> <li>Apartment complexes with 300 to 500 units using central heating</li> </ul>
<p>Deadline: August 8 of the applicable year</p>	<p>Deadline: April 17 of the applicable year</p>	<p>Deadline: April 17 of the applicable year</p>

## Major Achievements of Mechanical Equipment Performance Inspection



### Suwon City Hall

- **Client** : Suwon Special City
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 39,873 m<sup>2</sup>
- **Start Date** : March 2023



### Korea District Heating Corporation Goyang Branch

- **Client** : Korea District Heating Corporation Goyang Branch
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 16,339.5 m<sup>2</sup>
- **Start Date** : March 2023



### Myongji University - 4 Buildings

- **Client** : Myongji University
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 93,603 m<sup>2</sup>
- **Start Date** : April 2023



### Suwon City Hall

- **Client** : Suwon Special City
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 39,873 m<sup>2</sup>
- **Start Date** : March 2023



### National Palace Museum of Korea

- **Client** : National Palace Museum of Korea
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 29,665.31 m<sup>2</sup>
- **Start Date** : April 2023



### Everland

- **Client** : Samsung C&T Resort Division
- **Scope** : Mechanical equipment performance inspection and aging evaluation
- **Total Area** : 45,505.92 m<sup>2</sup>
- **Start Date** : July 2024



**Osong Health and Medical Administration Tower & Korea Food and Drug Safety Agency - 5 Buildings**

- **Client** : Ministry of Health and Welfare
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 96,292.27 m<sup>2</sup>
- **Start Date** : September 2023



**Seoul Botanical Park**

- **Client** : Seoul Botanical Park
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 30,907.4 m<sup>2</sup>
- **Start Date** : March 2023

**Hanam Agricultural Cooperative Federation**

- **Client** : Hanam Agricultural Cooperative Federation
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 20,551.1 m<sup>2</sup>
- **Start Date** : April 2023



### National Library of Korea - 3 Buildings

- **Client** : National Library of Korea
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 97,722.58 m<sup>2</sup>
- **Start Date** : March 2023



### Taepyeongyang Shopping Mall

- **Client** : BTN Services Co., Ltd.
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 46,549.73 m<sup>2</sup>
- **Start Date** : May 2023

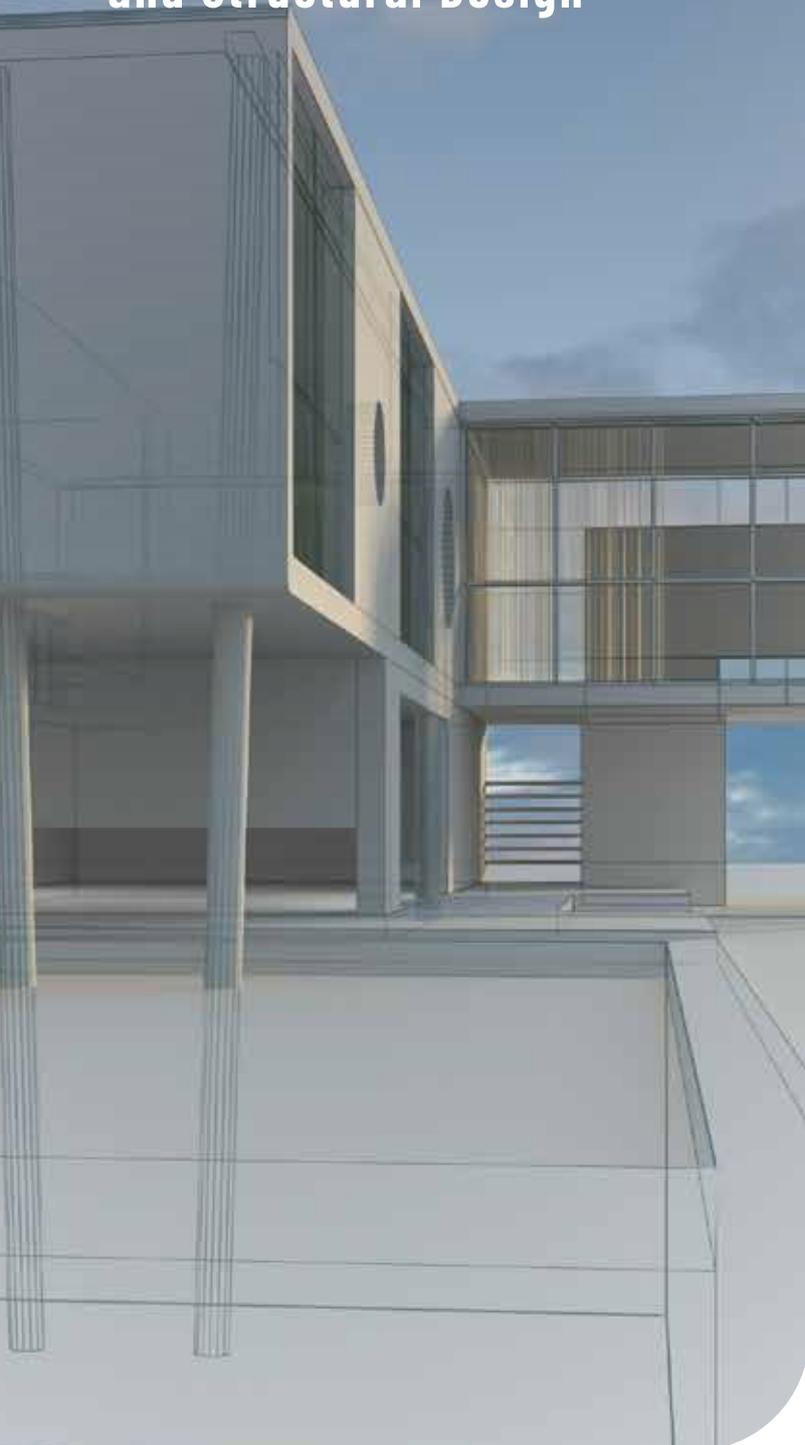


### Seoul Eunpyeong Hospital

- **Client** : Seoul Metropolitan Eunpyeong Hospital
- **Scope** : Mechanical equipment performance inspection
- **Total Area** : 18,406.28 m<sup>2</sup>
- **Start Date** : March 2023

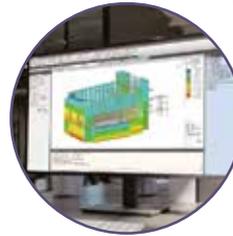


# Architecture and Structural Design



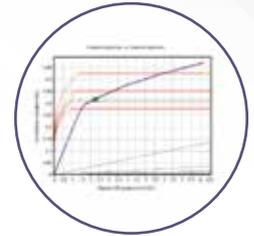
## “We thoroughly inspect even the smallest structural elements”

After identifying each component of a building, a certified structural engineer assesses its structural safety. Using Midas Gen, we analyze loads, stress distribution, and deflections and propose reinforcement solutions if necessary.



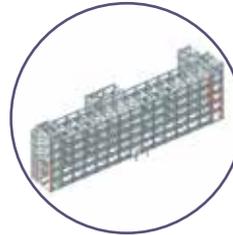
### Structural Safety Assessment

Calculate internal forces to determine the structural stability of the building



### Seismic Performance Evaluation

Analyze performance against load-bearing capacity, directional loads, and earthquakes



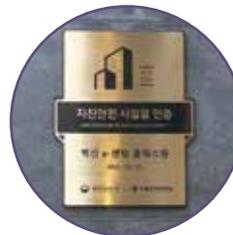
### Reinforcement Design

Analyze structural laws and failure patterns to develop rational reinforcement and seismic strengthening plans



### Supervision of Reinforcement Work

Ensure quality control by monitoring construction progress and materials



### Seismic Safety Facility Certification

Provide certification procedures for facilities deemed safe against earthquakes



### Structural Safety Diagnosis & Special Inspection

Identify causes of sudden structural failures or cracks through on-site analysis and propose reinforcement solutions

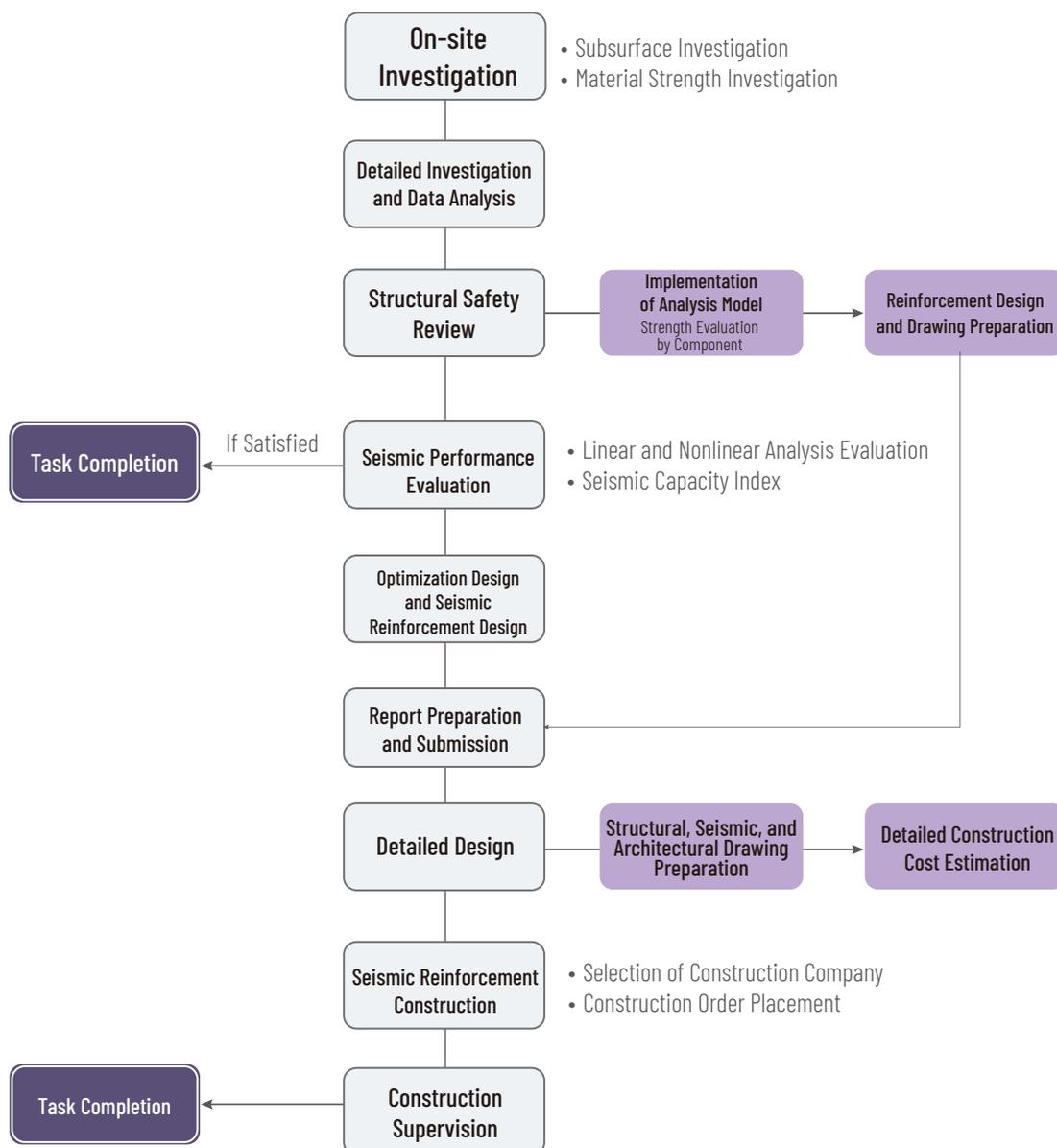
# Overview of Architecture and Structural Design

After conducting seismic performance evaluations, tasks are either completed based on the results or proceed to seismic reinforcement design and optimization.

Following completion, we perform detailed design, seismic reinforcement construction, and construction supervision.

We systematically design structures after evaluating structural safety to ensure safe and stable buildings.

## Work Process



## Major Achievements in Architecture and Structural Design



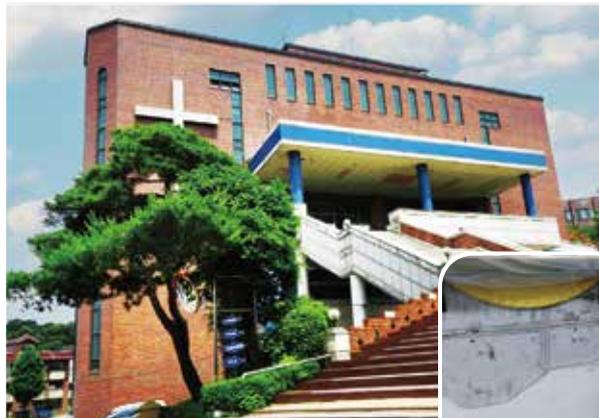
### Gyeonggi-do Convergence Science Education Institute

- **Client** : Gyeonggi-do Convergence Science Education Institute
- **Scope** : Seismic performance evaluation of the exhibition hall and training center
- **Start Date** : December 2023



### Gyeonggi-do Youth Training Center

- **Client** : Gyeonggi-do Youth Training Center
- **Scope** : Technical supervision for seismic reinforcement of the main building and outdoor stage
- **Start Date** : August 2022



### Ansan Dongsan High School

- **Client** : Gyeonggi Provincial Office of Education
- **Scope** : Seismic performance evaluation of the gymnasium and an additional building
- **Start Date** : August 2023



### Pangyo Silicon Park RENESAS LAB

- **Client** : RENESAS CONFIDENTIAL
- **Scope** : Seismic performance evaluation and structural safety assessment of Pangyo Silicon Park
- **Start Date** : July 2023



### Seoho Middle School

- **Client** : Suwon Office of Education, Gyeonggi Province
- **Scope** : Design for environmental improvement works, including replacing double-glazed windows at Seoho Middle School
- **Start Date** : July 2023



### Raon High School

- **Client** : Raon High School
- **Scope** : Seismic performance evaluation for safety improvement project of Building B at Raon High School
- **Start Date** : August 2023



### Songsan Middle School - 2 Buildings

- **Client** : Gyeonggi Provincial Office of Education
- **Scope** : Seismic performance evaluation of Songsan Middle School Teachers' Building 2 and Building 13
- **Start Date** : October 2023



### Moonchon Village Phase 2 Underground Parking Lot

- **Client** : Moonchon Life Apartment Management Office
- **Scope** : Structural safety inspection of Moonchon Life Apartment's architectural facilities for the first half of 2024
- **Start Date** : February 2024



# Repair and Reinforcement Construction



## "The core of construction is technology and expertise"

With a systematic workflow and construction experts, we deliver optimal results.

We implement in-house developed seismic reinforcement techniques and imported waterproofing materials to provide distinctive technical solutions.



Repair & Reinforcement Construction

> Exterior wall and crack repairs, wall reinforcement, seismic reinforcement, and finishing works



Waterproofing Construction

> Rooftop waterproofing, exterior wall waterproofing, and parking lot waterproofing



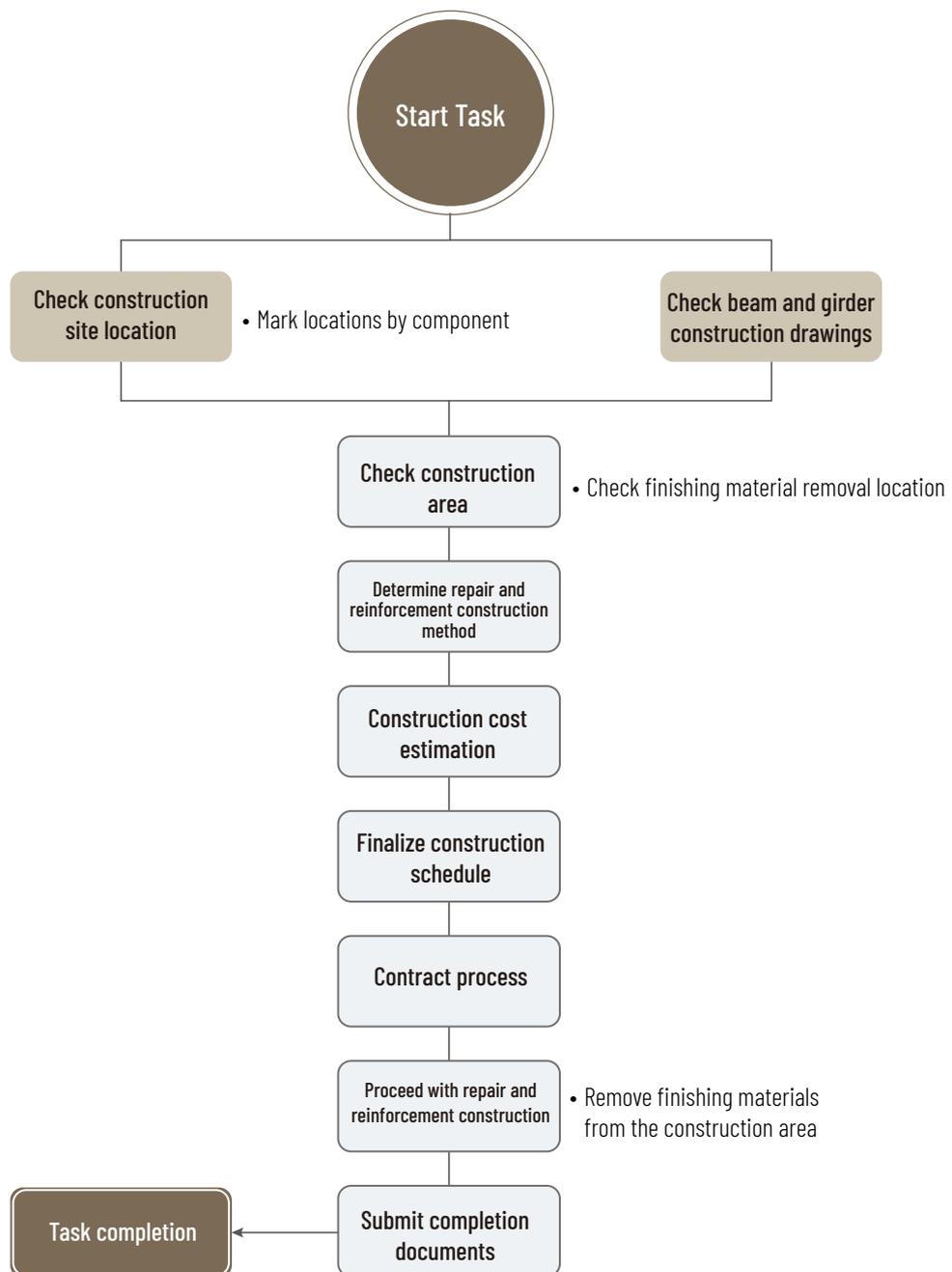
Environmental Improvement Construction

> Facility upgrades, residential environment improvements, and educational environment enhancements

# Overview of Construction, Repair and Reinforcement Works

We perform structural reinforcement and repairs for external walls, concrete structures, and steel structures, as well as seismic reinforcement projects. Additionally, we conduct waterproofing and coating works for underground parking lots and rooftops. By utilizing self-developed techniques such as carbon fiber reinforcement, steel plate reinforcement, and beam reinforcement, combined with special imported materials, we provide optimized repair and reinforcement solutions.

## Work Process



## Major Achievements in Construction, Repair and Reinforcement Works



### Hanwha Aerospace

- **Client** : Hanwha Aerospace Co., Ltd.
- **Scope** : Waterproofing construction for the underground parking lot at Pangyo R&D Center
- **Location** : Bundang-gu, Seongnam-si, Gyeonggi-do
- **Start Date** : May 2022



### Namsuwon Elementary School

- **Client** : Suwon Office of Education, Gyeonggi Province
- **Scope** : Environmental improvement construction at Namsuwon Elementary School
- **Location** : Gwonseon-gu, Suwon-si, Gyeonggi-do
- **Start Date** : November 2023



### Deoksan High School

- **Client** : Bucheon Office of Education
- **Scope** : Exterior wall improvement and rooftop waterproofing construction at Deoksan High School
- **Location** : Ojeong-ro, Bucheon-si, Gyeonggi-do
- **Start Date** : July 2023



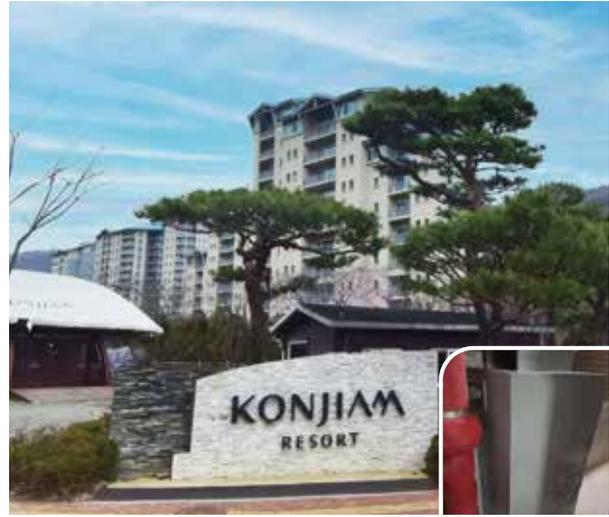
### KORAIL Capital Region Rolling Stock Maintenance Depot

- **Client** : Korea Railroad Corporation (KORAIL)
- **Scope** : Repair work related to ground subsidence at the Capital Region Jungbu District Maintenance Depot
- **Location** : Deokyang-gu, Goyang-si, Gyeonggi-do
- **Start Date** : December 2023



### SJ Technoville

- **Client** : SJ Technoville Management Committee
- **Scope** : Floor painting work at SJ Technoville
- **Location** : Geumcheon-gu, Seoul
- **Start Date** : November 2022



### Konjiam Resort

- **Client** : S&I Corporation
- **Scope** : Structural repair work at Konjiam Resort
- **Location** : Dochon-myeon, Gwangju-si, Gyeonggi-do
- **Start Date** : February 2024



### Gwangju Kumho World

- **Client** : Kumho World Management Team
- **Scope** : Concrete floor surface repair work at Kumho World
- **Location** : Seo-gu, Gwangju Metropolitan City
- **Start Date** : May 2024



### Hongdeok Tower

- **Client** : Hongdeok Tower Knowledge Industry Center Management Team
- **Scope** : Stair landing repair work at Hongdeok Tower
- **Location** : Giheung-gu, Yongin-si, Gyeonggi-do
- **Start Date** : September 2022

## Major Achievements in Precision Safety Diagnosis

No.	Facility Name	Location (District)	Floor Area	Start Date
1	We've the State	Guro-gu, Seoul	427,334.00 m <sup>2</sup>	May 2018
2	Yeongdeungpo SK Leaders' View	Yeongdeungpo-gu, Seoul	99,986.10 m <sup>2</sup>	June 2018
3	Ilsan Uni-Techville	Ilsandong-gu, Goyang-si	123,893.21 m <sup>2</sup>	April 2019
4	Digital Empire 2	Yeongtong-gu, Suwon-si	142,435.50 m <sup>2</sup>	May 2019
5	Acro Vista Apartment	Seocho-gu, Seoul	258,427.00 m <sup>2</sup>	June 2019
6	Haeundae The Sharp Centum Star	Haeundae-gu, Busan	206,165.72 m <sup>2</sup>	July 2019
7	Changwon The Sharp City Zen Tower	Uichang-gu, Changwon-si	251,792.07 m <sup>2</sup>	September 2019
8	Mokdong Trapalace	Yangcheon-gu, Seoul	219,124.85 m <sup>2</sup>	October 2019
9	Gillenswellville	Bundang-gu, Seongnam-si	211,562.65 m <sup>2</sup>	November 2019
10	Mokdong Paragon	Yangcheon-gu, Seoul	132,414.40 m <sup>2</sup>	July 2020
11	Bundang Two Stay Villione	Bundang-gu, Seongnam-si	194,432.60 m <sup>2</sup>	May 2021
12	Dongtan Metapolis	Bansong-dong, Hwaseong-si	463,046.90 m <sup>2</sup>	September 2021
13	Sungshin Women's University Woonjeong Green Campus	Gangbuk-gu, Seoul	76,100.10 m <sup>2</sup>	January 2021
14	Myeongseong Prestige	Buk-gu, Daegu	165,229.29 m <sup>2</sup>	February 2021
15	Baeksan Centum Glass One	Haeundae-gu, Busan	55,639.00 m <sup>2</sup>	April 2022
16	WBC The Palace	Haeundae-gu, Busan	122,263.80 m <sup>2</sup>	May 2022
17	Pine Avenue	Jung-gu, Seoul	129,999.29 m <sup>2</sup>	October 2022
18	SK Networks Park	Jungwon-gu, Seongnam-si	196,562.00 m <sup>2</sup>	October 2022
19	Pentaport 3 Block	Seobuk-gu, Cheonan-si	235,146.10 m <sup>2</sup>	December 2022
20	June Theme World	Giheung-gu, Yongin-si	133,952.52 m <sup>2</sup>	January 2023
21	BEXCO Auditorium	Haeundae-gu, Busan	29,728.05 m <sup>2</sup>	January 2023
22	Hongwonjae	Jangan-gu, Pyeongtaek-si	53,555.89 m <sup>2</sup>	May 2023
23	Ungjin Playdousi Sports & Culture Center	Wonmi-gu, Bucheon-si	93,387.00 m <sup>2</sup>	July 2023
24	Osan Comprehensive Logistics Center	Osan-dong, Osan-si	200,548.78 m <sup>2</sup>	October 2023
25	Cha Advanced Convergence Technology Institute	Yeongtong-gu, Suwon-si	52,487.74 m <sup>2</sup>	March 2024
26	Nonghyup Anseong Agricultural Food Logistics Center	Miyang-myeon, Anseong-si	59,212.39 m <sup>2</sup>	June 2024
27	Acro Vista	Seocho-gu, Seoul	258,427.50 m <sup>2</sup>	August 2024
28	Dogok-dong Tower Palace Phase 1	Gangnam-gu, Seoul	457,994.32 m <sup>2</sup>	September 2024
29	Grand Seoul	Jongno-gu, Seoul	175,537.30 m <sup>2</sup>	October 2024
30	The Classic 500	Gwangjin-gu, Seoul	158,655.21 m <sup>2</sup>	December 2024

# Major Regular Safety Inspection and Periodic Safety Inspection Achievements

No.	Facility Name	Scope	Floor Area	Start Date
1	Medium Enterprise Growth Center	Regular Safety Inspection and Periodic Safety Inspection	86,651.31 m <sup>2</sup>	February 2019
2	Incheon International Airport Long-Term Parking Lot 2	Regular Safety Inspection	42,999.00 m <sup>2</sup>	March 2019
3	Yongin Techville Earthquake Center	Regular Safety Inspection	124,863.60 m <sup>2</sup>	December 2020
4	NongHyup Central Office	Regular Safety Inspection and Periodic Safety Inspection	42,257.70 m <sup>2</sup>	May 2021
5	Dongguk University School of Industrial Engineering	Regular Safety Inspection	37,337.10 m <sup>2</sup>	June 2021
6	Maeil Economic Media Center	Regular Safety Inspection	40,690.40 m <sup>2</sup>	June 2022
7	Gyeonggi-do Central Government Office	Regular Safety Inspection and Periodic Safety Inspection	71,104.00 m <sup>2</sup>	June 2022
8	Construction College at Korea University	Regular Safety Inspection	32,894.74 m <sup>2</sup>	July 2022
9	Nohyung Building in Gangnam	Regular Safety Inspection	41,813.27 m <sup>2</sup>	August 2022
10	Acro Vista	Regular Safety Inspection	258,427.50 m <sup>2</sup>	September 2022
11	Nohjin Sandstone Aggregate Plant	Regular Safety Inspection	118,346.00 m <sup>2</sup>	October 2022
12	Mokdong Branch Office	Regular Safety Inspection	40,903.74 m <sup>2</sup>	December 2022
13	Busan Center Paragon 4th	Regular Safety Inspection	76,771.36 m <sup>2</sup>	January 2023
14	Siheung Gun LH7 Tech Park	Regular Safety Inspection	88,759.28 m <sup>2</sup>	January 2023
15	Empire Millenium Residence Hotel	Regular Safety Inspection	44,814.50 m <sup>2</sup>	February 2023
16	Premier Emblem Hotel, Technology Center 1st	Regular Safety Inspection	73,881.06 m <sup>2</sup>	March 2023
17	LG Hakhwa High-tech Industrial Complex	Regular Safety Inspection	49,079.57 m <sup>2</sup>	April 2023
18	YongSan Renaissance	Regular Safety Inspection and Periodic Safety Inspection	49,842.50 m <sup>2</sup>	April 2023
19	Korea National Agricultural Bank Center	Regular Safety Inspection	57,959.10 m <sup>2</sup>	April 2023
20	Gyeonggi Provincial Education Building	Regular Safety Inspection	99,647.41 m <sup>2</sup>	May 2023
21	LG Electronics	Regular Safety Inspection	32,285.28 m <sup>2</sup>	May 2023
22	LG Premium Mall	Regular Safety Inspection	58,774.04 m <sup>2</sup>	May 2023
23	Taiyepellis 2nd Building	Regular Safety Inspection	222,706.62 m <sup>2</sup>	May 2023
24	Gwangju SK Blue Creek	Regular Safety Inspection	104,116.48 m <sup>2</sup>	September 2023
25	Busan X Shopping Mall	Regular Safety Inspection	64,913.44 m <sup>2</sup>	November 2023
26	Daejeon Taekwon Hall 15th	Regular Safety Inspection	101,474.59 m <sup>2</sup>	January 2024
27	Korea National Cultural Heritage Complex	Regular Safety Inspection	39,054.22 m <sup>2</sup>	April 2024
28	Gyeongdo Biosis	Regular Safety Inspection	32,009.52 m <sup>2</sup>	May 2024
29	Gangnam Ibis Hotel	Regular Safety Inspection	212,615.29 m <sup>2</sup>	September 2024
30	Busan Seomyeon Office Suite 1st	Regular Safety Inspection	113,973.25 m <sup>2</sup>	September 2024

## Major Equipment Performance Inspection Achievements

No.	Facility Name	Address (District)	Floor Area	Start Date
1	Empire Millennium Hotel	Gangnam-gu, Seoul	44,814 m <sup>2</sup>	December 2022
2	National Central Library	Seocho-gu, Seoul	42,971 m <sup>2</sup>	March 2023
3	Supreme Court Data Center	Bundang-gu, Seongnam-si	22,169 m <sup>2</sup>	March 2023
4	Suwon City Hall	Paldal-gu, Suwon-si	39,873 m <sup>2</sup>	March 2023
5	Korea District Heating Corporation (Goyang Branch)	Ilsandong-gu, Goyang-si	16,339 m <sup>2</sup>	March 2023
6	Gwanghwamun Post Office	Jongno-gu, Seoul	22,869 m <sup>2</sup>	April 2023
7	National Palace Museum	Jongno-gu, Seoul	29,665 m <sup>2</sup>	April 2023
8	Myongji University	Cheoin-gu, Yongin-si	19,607 m <sup>2</sup>	March 2023
9	Seoul Western District Prosecutors' Office	Mapo-gu, Seoul	24,736 m <sup>2</sup>	April 2023
10	Seoul Botanical Garden	Gangseo-gu, Seoul	30,907 m <sup>2</sup>	March 2023
11	Songpa District Office	Songpa-gu, Seoul	29,747 m <sup>2</sup>	April 2023
12	Tower Palace 1st	Gangnam-gu, Seoul	80,365 m <sup>2</sup>	April 2023
13	Yonsei University	Yeonsu-gu, Incheon	58,771 m <sup>2</sup>	May 2023
14	Suwon Convention Center	Yeongtong-gu, Suwon-si	97,616 m <sup>2</sup>	June 2023
15	S-Plex Center	Mapo-gu, Seoul	81,968 m <sup>2</sup>	June 2023
16	Taepyungyang Wholesale Market	Jongno-gu, Seoul	46,549 m <sup>2</sup>	May 2023
17	Osong Health & Medical Administration Town	Heungdeok-gu, Cheongju-si	44,758 m <sup>2</sup>	August 2023
18	Gyeonggi Housing & Urban Development Corp.	Yeongtong-gu, Suwon-si	11,490 m <sup>2</sup>	December 2023
19	Korea Social Welfare Facility	Jangan-gu, Suwon-si	10,340 m <sup>2</sup>	November 2023
20	Gyeonggi Children's Museum	Giheung-gu, Yongin-si	10,825 m <sup>2</sup>	December 2023
21	Gyeongin Broadcasting Headquarters (Seoul)	Jongno-gu, Seoul	10,285 m <sup>2</sup>	March 2024
22	DGIST (Daegu Gyeongbuk Institute of Science and Technology)	Dalseong-gun, Daegu	11,502 m <sup>2</sup>	April 2024
23	UNIST (Ulsan National Institute of Science and Technology)	Ulju-gun, Ulsan	90,398 m <sup>2</sup>	April 2024
24	Mandok Global R&D Center	Bundang-gu, Seongnam-si	56,931 m <sup>2</sup>	April 2024
25	Seogang High School	Mapo-gu, Seoul	10,196 m <sup>2</sup>	April 2024
26	LG Art Center	Gangseo-gu, Seoul	41,631 m <sup>2</sup>	June 2024
27	Kyung Hee Medical Center	Dongdaemun-gu, Seoul	101,515 m <sup>2</sup>	August 2024
28	Seoul Dongbu Detention Center	Songpa-gu, Seoul	70,999 m <sup>2</sup>	July 2024
29	Samsung Everland	Cheoin-gu, Yongin-si	45,505 m <sup>2</sup>	July 2024
30	LG Electronics Twin Towers	Yeongdeungpo-gu, Seoul	157,709 m <sup>2</sup>	July 2024

## Major Achievements in Architecture & Structural Design

No.	Client	Scope	Start Date
1	Gyeonggi-do Ansan Office of Education	Seongmok Elementary School Seismic Performance Evaluation	October 2018
2	Gyeonggi-do Suwon Office of Education	Anhyung Middle School Seismic Performance Evaluation	October 2018
3	Gyeonggi-do Science High School	Munilcho Teacher's Cooperative Housing Seismic Performance Evaluation (3rd Review)	May 2019
4	Gyeonggi Northern Fire Department	Seismic Performance Evaluation of 15 Fire Stations in Northern Gyeonggi	June 2019
5	Gyeonggi-do Suwon Office of Education	Yeongdeok Middle School Seismic Performance Evaluation	June 2019
6	Gyeonggi-do Hanam Office of Education	Review of Seismic Performance Evaluation for Gunji Elementary School Auditorium	October 2019
7	Korea 3rd Army Corps	Detailed Safety Inspection and Seismic Performance Evaluation	November 2019
8	Gyeonggi-do Suwon Office of Education	Technical Supervision of Seismic Reinforcement Work at Maehyeon Middle School	February 2020
9	Yeonsu District Library	Structural Safety Inspection of Yeonsu Library	January 2020
10	Gyeonggi-do Ansan Office of Education	Ansan Jungang High School Seismic Performance Evaluation	February 2020
11	Gyeonggi Global High School	Structural Safety Inspection of Gyeonggi Global High School	February 2020
12	Gyeonggi-do Suwon Office of Education	Technical Supervision of Seismic Reinforcement Work at Hwajung Middle School	February 2020
13	National Agricultural Cooperative Federation	Structural Safety Inspection of Agricultural Cooperative Federation Logistics Facilities	June 2020
14	Samgak Middle School	Structural Safety Inspection of Samgak Middle School Auditorium	September 2021
15	Gyeonggi-do Gwangju Hanam Office of Education	Technical Supervision of Seismic Reinforcement & Structural Safety at Gunji Middle and High Schools	October 2021
16	Gyeonggi-do Suwon Office of Education	Technical Supervision of Seismic Reinforcement at Gwonsun Jeonpung Middle School	December 2021
17	Gyeongjin High School	2021 Academic Year Kyungmin Middle School Internal Performance Evaluation Criteria	December 2021
18	Gyeonggi-do Incheon Office of Education	Technical Supervision of Seismic Reinforcement & Structural Safety at University's Multi-Purpose Hall	November 2021
19	Gyeonggi-do Suwon Office of Education	Seismic Performance Evaluation of Gosang Elementary School Teacher's Cooperative Housing	March 2022
20	Gyeonggi-do Suwon Office of Education	Seismic Performance Evaluation of Jamwon-dong Multipurpose Building	March 2022
21	Ansan Design & Culture High School	Seismic Performance Evaluation of Ansan Design & Culture High School	September 2022
22	Gyeonggi-do Suwon Office of Education	Ingye Elementary School Building 2 Internal Performance Evaluation Criteria	November 2022
23	Korea Army 28th Division	28th Division Seismic Performance Evaluation	December 2022
24	Gyeonggi-do Ansan Office of Education	Technical Supervision of Seismic Reinforcement at Deokseong Elementary School	August 2023
25	Gyeonggi-do Office of Education	Structural & Seismic Reinforcement Design of Moonjang Elementary School Multi-Purpose Hall	August 2023
26	Korea Army 5th Army Division	23rd Seismic Performance Evaluation Review (1st Grade)	October 2023
27	Gyeonggi-do Ansan Office of Education	Technical Supervision of Seismic Reinforcement at Deokseong Elementary School	December 2023
28	Samjung Green Co., Ltd.	Seismic Performance Evaluation of Busan Station Samjung Green Plaza	March 2024
29	Shin Am Metrocon Management Office	Seismic Performance Evaluation of Shin Am Metrocon	June 2024
30	Gyeonggi-do Suwon Office of Education	Seismic Reinforcement Design & Technical Supervision of Mogari Middle School	June 2024

## Major Achievements in Repair and Reinforcement Construction

No.	Client	Scope	Start Date
1	Samgak Middle School	Samgak Middle School Auditorium Repair & Reinforcement Work	November 2020
2	○○○○ Icheon Army Base	Facility Improvement Work at Icheon ○○ Base	April 2021
3	Suwon-si Gwonseon District Office	Second Half of 2021 Maintenance & Repair Work in Gwonseon District (2 areas)	June 2021
4	Seotan Elementary School	Roof Slab Crack & Wall Surface Insulation Repair	June 2021
5	Yongma Elementary School	Yongma Elementary School Repair Work	July 2021
6	Altwell Logistics Center	Altwell Logistics Center Repair Work	August 2021
7	Dongwon Industrial Icheon Refrigerated Warehouse	Parking Lot Repair Work at Dongwon Industrial Icheon Refrigerated Warehouse	December 2021
8	Daewoong Pharmaceutical	Hangang Plant A5 & Common Areas Crack Repair & Floor Coating	March 2022
9	Paju Unjeong Ark Church	Crack & Waterproofing Repair Work at Wonsung Church	April 2022
10	Daewoong Pharmaceutical Hyangnam Plant	Carbon Fiber Reinforcement Work	July 2022
11	Fraser Place Hotel	Waterproofing Repair Work at Fraser Place Hotel	August 2022
12	Hongdeok Tower Management	Stairway Crack Repair at Hongdeok Tower	September 2022
13	LS Networks	Repair Work at LS Networks Commercial Logistics Center	October 2022
14	Ministry of National Defense	Restroom Repair Work at Namtaeryeong Hall	October 2022
15	Gyeonggi-do Office of Education	Environmental Improvement Work at Jangahn High School	November 2022
16	SJ Technoville Management Committee	Floor Paint Repair Work at SJ Technoville	December 2022
17	Woomi Ville	Repair Work at Woomi Ville	March 2023
18	Suwon National Land Management Office	Pavement Restoration Work for National Route 48 & Two Other Areas	April 2023
19	Yeongdeok National Land Management Office	Maintenance of Safety Facilities on National Route 47 (8 locations)	May 2023
20	Gyeongryeol Apartment	Waterproofing & Structural Repair Work at Gyeongryeol Apartment	July 2023
21	Bucheon Office of Education	Exterior Improvement & Roof Waterproofing at Deokseon High School	July 2023
22	Yonsei Severance Hospital	Repair Work at Yonsei Severance Hospital	July 2023
23	Korean Veterans Welfare and Healthcare Corporation	Ulleung Island Stone Monument Repair Work	August 2023
24	Korean Army 1068th Unit	Crack & Waterproofing Repair Work	September 2023
25	Korean Veterans Welfare and Healthcare Corporation	Second Half of 2023 Residential Environmental Improvement Work	October 2023
26	Suwon-si Yeongtong District Office	Maintenance Work on 3 Retaining Walls in Baekshin-dong	October 2023
27	Gyeonggi Fire and Disaster Headquarters	Firehall Restroom Improvement Work	December 2023
28	Shinjin & Play Incheon	Fire Pump Room Repair Work for New Vehicles	February 2024
29	Suncheon Engineering	Heavy Equipment Repair Work at Suncheon Engineering	April 2024
30	Seoul IT Valley Operations Committee	Carbon Plate & Structural Reinforcement Work at Seoul IT Valley Underground Parking Lot	May 2024

## Directions



> Approximately 700 meters on foot from Exit 2 of Sanghyeon Station.

<b>Public Transportation</b>	Local Buses: 5-3, 11, 13-4, 19, 20, 20-1, 20-2, 32-4, 80, 81, 670, 720-3, 999 Express Bus: M5115 (Gwanggyo Area Bus)
<b>Address</b>	5th Floor, Ium Center, 7-7, Gwanggyo Central Road 248-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, South Korea
<b>Contact</b>	TEL. 1660-1140 / FAX. 031-212-9002
<b>Web Page</b>	114.elimsafety.com/

**We are a company that prioritizes protecting the lives and property of the people and puts it into practice.**

**T** 1660-1440

**F** 031-212-9002

**E** [safe114@elimsafety.com](mailto:safe114@elimsafety.com)

**A** 5th Floor, Ium Center, 7-7, Gwanggyo Central Road 248-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, South Korea



[114.elimsafety.com/](http://114.elimsafety.com/)