

PITCH DECK 2026

RE|NAME DP: AI Agent for Construction Data Integration & Reporting Automation

Smart Glasses On-Device AI AI Copilot
Document Automation

Sees, Hears, and Understands the Site to
Automatically Complete Records
and Documents



Selected for the NVIDIA Inception
global AI-startup program

Selected as a Certified Venture
Company (Innovative Growth type)



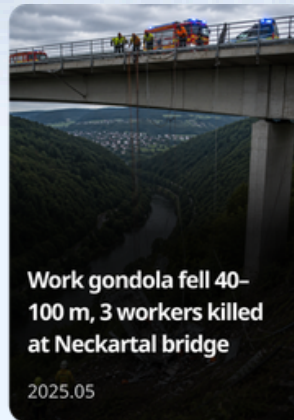
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Problem Statement

**Sites are still recorded by hand and reported after the incident.
Records that never turned into data are the root of accidents and disputes.**

Recurring accidents caused by missing construction records



Tightening liability and evidence requirements for serious accidents:



Corporations with **3+ fatal accidents** in a single year face a fine of **5%** of operating profit or up to **KRW 3 billion**, applied on a sliding scale based on the number of fatalities and incidents.



Listed companies must **publicly disclose** serious accidents (fatalities) **the same day** they report to the Ministry of Employment and Labor **from October 20, 2025**.

Problems on the site:



PROBLEM 01 Data Fragmentation

- Checklists, reports, and photos scattered across paper, Excel, and messaging apps
- No real-time information sharing between the site and head office

Data fragmentation delays any clear grasp of site conditions.



PROBLEM 02 Hands-Free Bottleneck

- Phone input is impossible while wearing helmets and gloves or working at height
- Underground structures limit use because the network drops out

The input bottleneck leads to delayed and missing records.

We unify the fragmented, manual jobsite with on-device AI to raise execution and safety at the same time.



Fragmented site collaboration

Work orders, TBM briefings, documents, and approvals are scattered across channels, cutting off execution information between site and HQ.



Manual reporting

Manually re-organizing photos, checklists, and messenger records causes reporting delays and limits any tracking of work-quality history.



Late safety management

Risk assessments, inspections, and corrective actions are handled after the fact, leaving preemptive response and serious-accident evidence weak.



Hands-tied and network-dependent

Hands are tied during work, so real-time input is impossible; the app disconnects in network-isolated or signal-dead environments.

RENAME DP Implementation

Unified system

Links projects, messaging, approvals, and dashboards to unify site execution with HQ management.

AI-automated recording

AI structures photos, documents, and conversations to auto-generate daily work logs, inspection reports, and quality reports.

Safety-risk control

Links risk assessment, e-signatures, AI safety support, and CCTV events to strengthen preemptive response and accountability evidence.

On-device, hands-free

Record by voice without interrupting work; runs without a network and is usable even inside secure facilities.

Automate site records, shorten the reporting chain, and manage safety and quality risks preemptively.

Quantitative impact

Qualitative impact



95%

reduction in time
spent writing
records and
reports



90%

less duplicate
data entry and
manual
organizing



80%

reduction in time
spent organizing
documents



1 day

draft reports
generated from
site records



Higher record accuracy

automatically structures site data from
photos, voice, and documents



Faster reporting

auto-generates daily logs, safety
records, and construction evidence
in the correct formats



Preemptive safety measures

identifies hazards and missing
items early to strengthen
accident prevention



Stronger accountability

keeps site history and corrective actions
as data to secure dispute readiness

Results based on our previous PoCs



General Construction Co.
Suseo·Bangbae PoC Site



KEPCO
AI-Based OCR Consultation PoC

Entry & Recording

Construction & Safety

Task Automation



Smart Glasses

Mobile

Collect field data
hands-free

Voice & Field conversations

Photos, Videos & CCTV

Blueprints, Specifications
& Checklists

Location, Time & Person

Construction & Defect history

ON-Device SLM

Can execute via voice
commands even in
unstable network
environments.



VLM · OCR

Analyzes the content of photos,
blueprints, documents, and context.



AI Copilot

Analyzes data to draft content and
support field decision-making.



Real-time Hazard Detection

Analyzes CCTV footage to
capture abnormal situations.



Blueprint-Based Data

Tags voice data, photos, and
documents to specific locations on
the blueprint. Manages
construction records and defect
repairs, including version history.



Auto-report Generation

Analyzes accumulated data to
automatically generate reports
in standardized formats

RE|NAME DP: a technology-based mechanism for securing jobsite transparency and controlling serious accidents.

Commercialization stage

Project & Blueprint Management

Location-based integrated project management

- Create location tags on each drawing to send construction records, defect-repair requests, and location-based messages
- Drawing version control and change tracking
- Easy navigation with per-zone page markers



Construction Records & Defect-Repair Requests

Quality tracking and audit readiness

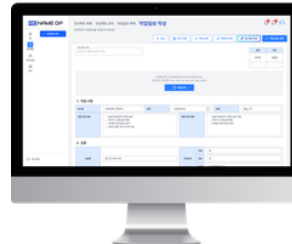
- Metadata (location/time)-based site records block substandard-work practices
- On photo capture, AI analysis auto-fills the construction record and defect-repair request



Automated Daily Work Logs

Cut reporting workload with AI

- AI auto-generates the daily log from construction-record data
- Auto-fills log items from uploaded documents
- A transparently managed approval workflow



Risk-Assessment Review & Recording

Preemptively block serious-accident risk

- Review the site risk assessment, then e-sign
- Checklist inspections and photo records secure safety transparency



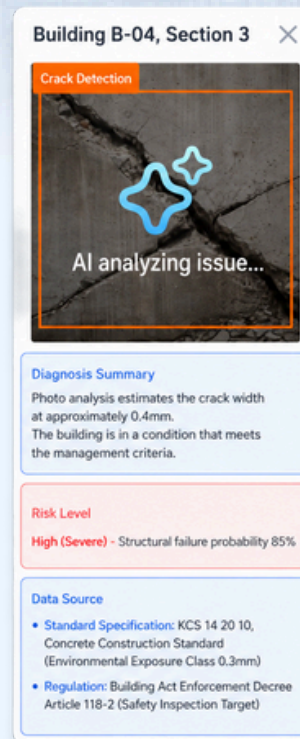
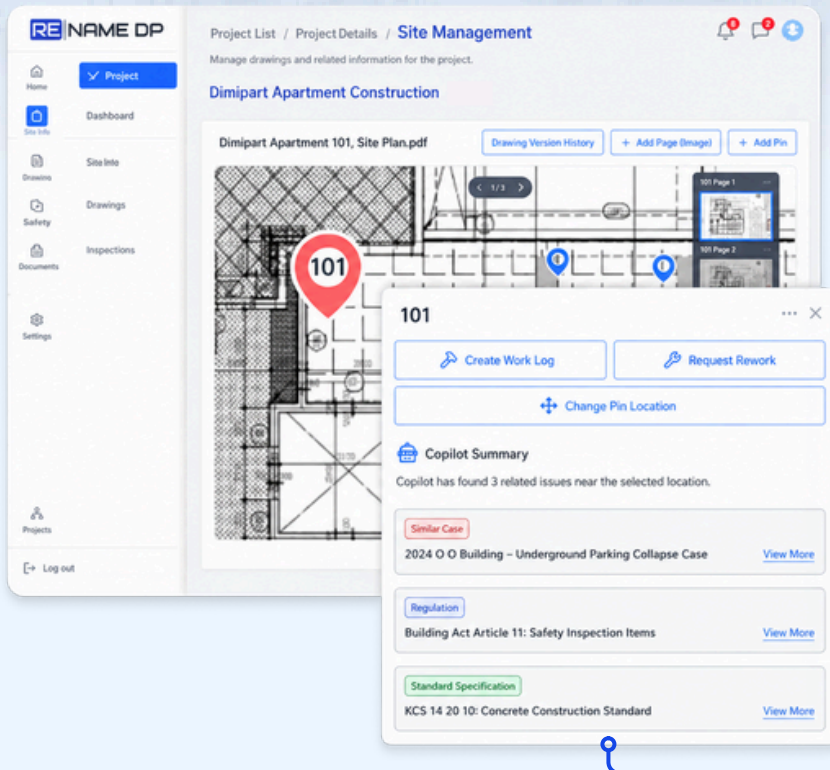
Real-Time CCTV Hazard Detection

Real-time monitoring of site incidents

- AI analyzes CCTV in real time to instantly detect anomalies
- Automatically recognizes and manages safety-related events
- Understand site-safety status from past footage and records



The on-site AI Copilot combines regulations, blueprints, and site data to support both safety and daily work.



On-Site Diagnosis

- Diagnoses root causes by comprehensively analyzing drawing information and industry standards
- Independently determines and proposes the optimal solution

Blueprint Diagnosis

- Analyzes drawing versions and change points and matches construction methods and regulations in real time
- Provides instant decision support based on site context

Authoritative data

- EU **Eurocodes** (EN 1990–1999) + national annexes
- DE **DIN · VOB · DIBt, BaustellV · DGUV**
- FI **National Building Code** (Min. of Environment), RT · RYL · Ratu

Structural data

- **48,033+** architectural drawings
- **2,653,998+** objects
- **304,462+** OCR data records

Site data

- Daily logs / photos / voice
- Location tags / conversation history
- Company-specific AI

Extended data

- **EU-OSHA** accident & safety data
- **BIM / CAD**
- **CE / CPR** construction-product standards

Beyond a simple communication tool — we build site trust into data.



Manage "site execution," not design

Competitors store the original drawings; we tag construction records and defect repairs to the drawing to manage what actually happens on-site.



Structuring unstructured, time-series data

Construction-domain language models and VLMs, advancing unstructured-data accuracy from 82% to 95%.



Evidence & data standardization

Every record is metadata-tagged (time, location, trade), standardizing evidence and cutting audit-trail time in disputes.

Unlike communication-centric rival apps, we focus on turning data into an asset and securing operational trust.

Market Positioning Differentiation through jobsite construction-data management

structuring of unstructured/time-series data
(Low ← → High)



AI / structured
blueprint management

ZUMEN

ENOVIA

structures drawings via OCR and quality automation, but the target is still the static original design

managing static blueprints
(Low ← → High)



Traditional
PDM/PLM



AUTODESK® VAULT

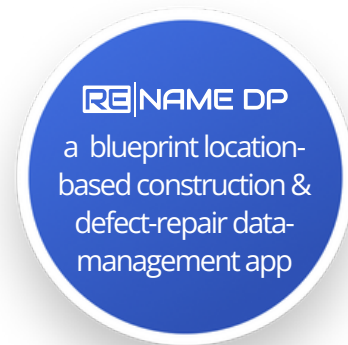


InnoFactory

singleton
soft

stores and manages
version/revision history of
blueprint and design data as
structured snapshots

structured • basic version saving
(Low ← → High)



European const.
collaboration tools



PlanRadar



CAPMO

blueprint/chat-centric, weak on
turning evidence into data,
office-worker-centric, limited AI,
single-function offerings such as
safety management

managing actual on-site execution
(High ← → Low)

With an IP barrier of 1 registered patent + 2 filed applications, an on-device SLM, and a domain-specific data corpus, we secure a construction-specialized technology edge that general-purpose collaboration tools cannot cross.

Patent registered



OCR/deep-learning-based facility-management service system



- 1 문서 촬영 2 양식 기반 문서 내용 추출 3 문서 데이터 적용

Beyond rule-based parsing or simple OCR, it centers on a VLM (Vision-Language Model) engine that simultaneously analyzes a blueprint's visual geometry (line connections, opening locations, etc.) and its dimension text.

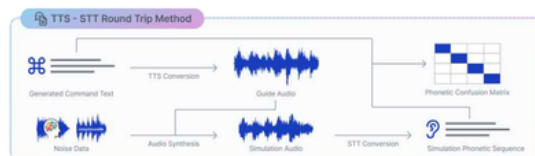
Differentiator

Interprets even **blueprint geometry that rule-based parsing and simple OCR could not read.**

Patent filed



Voice-analysis & asset-linkage system for construction-equipment



Suppresses and separates background noise to accurately extract worker voice commands, then links their content to trades, equipment, and assets.

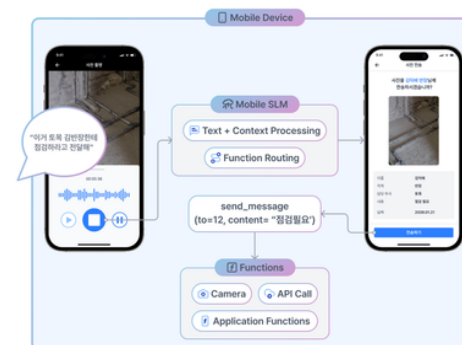
Differentiator

Prevents misrecognition where the voice is drowned out by **high noise from excavators, generators, and the like.**

Patent filed



On-device voice function-call automation system



Interprets voice commands on the device itself, without sending them to a server, to directly execute predefined function calls.

Differentiator

Operates in signal-dead zones and blocks any external leakage of data.

3. Company Capability

DIGITAL PRESSO's Key Achievements

DIGITAL PRESSO

KRW 700M+

Cumulative KRW 700M secured — government grants, R&D & revenue

5 employees

headcount grew from 1 (2024) to 5 (2025)

20+

Letters of intent secured (general contractors and others)

7 filings

3 patents (filed/registered)
+ 4 trademarks

2023.11

Selected for the KISED Pre-Startup Package (host: Konkuk University)



2024.07

MOU as a KEPCO in-house venture; 3 patents filed/registered, 4 trademarks

2024.10

RENAME DP MVP launched; targeting KEPCO supplier contractors

2025.10

Gwangju Metropolitan City "AI AX" company agreement



2025.01

KIBO and KOSME certification; selected for Naver Greenhouse support

2024.12

RENAME DP: received letters of intent from 20 general contractors

2026.01

Selected as a 2026 KICT family company



2026.01

Certified Venture Company (Ministry of SMEs and Startups)



2026.04

Joined the global acceleration program (GMEP) hosted by KAIA



2026.08

Selected for the KICXUP Challenge hosted by KICOX & KODIT



2026.07

Selected for the NVIDIA Inception Growth Technology Development Program (Didimdol)



2026.07

Selected for the 2026 Startup Growth Technology Development Program (Didimdol)



2026.07

Selected for the 2026 Korea Residential Environment Grand Prize



2026.07

Joined the MOLIT startup-planning program (6th NEXT Challenge)



Founding

Validation

Commercialization

Growth & expansion

A team that combines AI research capability with hands-on field experience.

CEO Juhyeong Kim

Management, Sales



- **NVIDIA** Elite Partner **Xiilab (KOSDAQ) - Strategy Team**
- 7 yrs, Woongjin & Namyang Group - Strategy Division
- KOSME Youth Startup Academy ('25)
- KISED Pre-Startup Package ('24)
- KEPCO CEO & Division Head Awards
- Patents: OCR-DL-based Facility Mgmt, Thermal Line Tracking
- Internal Audit · Ethics Mgmt · Military Exemption PM · Global Marketing · Overseas Experience

**Head of Planning,
Jinwook Song**

PM, Presales



- M.S. Architectural Engineering, Hanyang Univ. / **Licensed Architect Engineer**
- 5 yrs, **Samji Construction** · Dasan C&E · RMS Consulting
- KT estate Guui-Jayang Smart Building Lead (Robotics-UAM Review)
- Hyundai Engineering Digital Twin-based Spatial Decision Framework Research
- Jeddah Center Dev. · Sadang COVE Housing · Osan Medical PM Projects

**Head of AI,
Seokjun Kim**

AI, R&D



- **Xiilab** AI Model Research Team · 6 yrs AI Experience
- Industrial Safety & QC AI Solutions Deployment (Global Enterprise Mfg-Construction Sites)
- Commercialized Real-time Video Analytics Engine
- AI QC · Object Detection · Tracking · Action Recognition · End-to-End Vision AI Pipeline
- Lead, X-Ray Inspection AI Model Development

Business Strategy

Jaeyi Kim

Presales, CX, CS, Marketing

B.S. Architectural Engineering, Yeungnam Univ.
7 yrs, NOW Co., Ltd. & Architectural Design Firms

AI Service Development

Jiwoong Song

Back-end AI R&D, Data Science

B.S. Computer Engineering, Dongguk Univ.
2 yrs, Digital Presso & Others

Yongtae Park

Planning UI/UX/BX Design

B.A. Design, University of Southern California
3 yrs Overseas Experience, Ecodrive (U.S.) & Others

Industry-Academia Joint R&D

**Professor,
Gibum Hong**



- Principal Professor, AI Vision Lab, Sookmyung Women's University (specializing in Computer Vision and AI)
- Numerous publications at global top-tier conferences (CVPR, ICLR, ICCV, etc.) and SCI(E) Q1 journals
- Cultivation of talent and industry-academia collaborative research based on joint undergraduate and graduate research
- Research in Vision AI-based object recognition, multimodal data analysis, and generative AI

TBD

Presales & Architectural Engineer

Chungwan Rho

Full stack client

Chaehyun Ryu

Full stack client

- A clear decision-making structure based on 100% founder ownership, with a long-term, growth-focused management system.

Target Market / Expansion Areas

Korea proved the engine works; Europe is localization, not reinvention — only the regulatory corpus localizes, and it's already on Eurocodes · DIN · BaustellV · Finnish code.

Market Size & Target

Market figures: Cognitive Market Research, Europe Construction Management Software (2024)

TAM (Total Addressable Market)

€1.67B → €3.03B

European construction-management software (2024 → 2031), CAGR 8.9%

SAM (Serviceable Available Market)

≈ €0.43B

Nordics + DACH — our GMEP entry geographies

SOM (Serviceable Obtainable Market)

Regulated Construction

PoC Opportunities driven by evidence & compliance documentation

Phase 1

Early entry market (SOM: actual contacts)

Global PoC foundation

- European network channels secured via GMEP partner Vertical and Betahaus X



Phase 2

Early entry (SOM)

Nordic city & construction-tech pilots

- Forum Virium, Kirahub, RecoTech (primary)

Tegel / Urban Tech Republic

- Tegel Projekt & UrbanTech Republic site visit

Railway Construction

- Deutsche Bahn, DB Mindbox visit

Korean-corporate-in-Europe bridge

- Asia Berlin Summit — the Asia-Europe bridge venue

Phase 3

Expansion (SAM → TAM)

Broader EU Infra Construction Sites

- civil, rail, tunnel & energy construction

Localized corpus as a moat

- EU codes (Eurocode/EN), GDPR

Business model

Pilot / PoC

3-month engagement — the land motion (Nordic agile pilots, Korean-corp EU sites)

Free

Initial Setup Fee

€900

Setup Fee

one-time, per site

- Site data-environment setup and structuring of drawings / bills of quantities
- Support for migrating existing project data
- Onboarding training for site managers and supervisors

Monthly Subscription (core model)

€1,900

Monthly Fee

per month, per site

- Unlimited accounts for all participants (primary contractor and subcontractors)
- Unlimited VLM/voice-AI-based auto records and evidence reports
- Real-time schedule-management dashboard and client (owner) view

1 Land Pilot

Prove ROI on one live site in 90 days.

2 Expand

Convert the pilot to subscription, then roll out site by site.

3 Upsell

Org-wide rollout + smart-glasses; accumulated data locks them in.

≈ 0.05% of project value, with GDPR-safe, audit-ready evidence included by default.

Our European network (GMEP) opens four ranked targets – starting points for pilots that can convert into subscriptions.

1 Nordic city & construction-tech pilots

Forum Virium Helsinki · Kirahub · RecoTech

Contact point: Week 2 "Construction & transportation" track + Week 3 RecoTech meetings.

Evidence: Institutionalized 6-month agile city pilots via open calls; Nordics' largest contech event.

2 Tegel / Urban Tech Redevelopment in Berlin

Berlin TXL - 5 km² urban-tech redevelopment

Contact point: Week 1 Tegel Projekt & UrbanTech Republic site visit.

Evidence: a real, live construction site with no Tier-1 procurement gate.

3 Deutsche Bahn — via DB Mindbox

DB mindbox 100-day accelerator

Contact point: betahaus X — our Berlin host — built & runs DB mindbox; Week 1 site visit.

Evidence: €25k grant + testing on real DB infrastructure; precedent: KONUX, SIUT.

4 Korean corporates-building plants in Europe

LG Energy Solution · SK On / Samsung SDI

Contact point: Week 4 Asia Berlin Summit — the Asia-Europe bridge venue.

Evidence: Korean-managed gigafactory builds on EU soil = Korean-language client + EU regulatory site.

In a regulated market, compliance is the product. Our on-device architecture makes compliance a feature, not a cost.

GDPR

Personal data in photos & voice

Site media routinely capture faces and voices. On-device processing means raw personal data **never leaves the device**, supporting data-minimization & purpose limitation by design.

Our Edge

on-device SLM + EU-region hosting option = privacy-by-design.

EU AI Act

Hazard-detection & decision support

Our AI is positioned as **human-in-the-loop decision support**, not autonomous decision-making. Phased obligations (2025–2027) require classification, transparency & documentation.

Our Edge

human-in-the-loop decision support design.

BaustellV

Site-safety documentation duty

EU Directive 92/57/EEC & Germany's BaustellV impose **documentation & coordination duties** — producing standardized safety and inspection evidence matches our service flow.

Our Edge

automated, standardized safety & inspection evidence.

On-device SLM = compliance by design

Data sovereignty, GDPR alignment and a defensible answer to **"where does our site data go?"**

Funding Needs & Financing Plan

Grow demonstrations with external funding (government, private, and policy funds), extend them into European entry, and reach self-sufficiency through our own revenue.

● Government support ● Private investment ● Loans & policy funds

2026

Project execution & tech validation

Funding target

€0.50M

0.25

0.13

0.13

● **€0.25M** Government support

TIPS R&D annual disbursement;
Startup Growth Technology
Development Program

● **€0.13M** Private Investment

Seed matched by TIPS
operating partner

● **€0.13M** Loans & policy funds

Startup Base Support Fund on a
KIBO technology guarantee

Launch paid PoCs

Built on deployments with KEPCO,
contractors and public agencies

2027

Expansion & productization

Funding target

€1.88M

0.44

0.94

0.50

● **€0.44M** Government support

SME Technology Innovation
Development Program; follow-on
R&D & tech-market linkage

● **€0.94M** Private Investment

VC-led round + strategic SI investment

● **€0.50M** Loans & policy funds

Working-capital & facility funds,
receivables-based financing

Shift to subscription revenue

Grow paid customers among
general and electrical contractors
→ secure funds to repay loans

2028

Expansion & monetization

Funding target

€0.44M approx.

0.25

0.19

Series A sits outside the funding target

● **€0.25M** Government support

Overseas entry & procurement roll-out, follow-on deployment support

● **Series A review** Private Investment

Pursued after revenue growth and public references

● **€0.19M** Loans & policy funds

Mainly operating capital & infrastructure-expansion funds

Grow recurring revenue

SaaS subscriptions, setup fees and public-procurement sales; own-revenue centred, external funding reliance ↓

**DIGITAL
PRESSO**

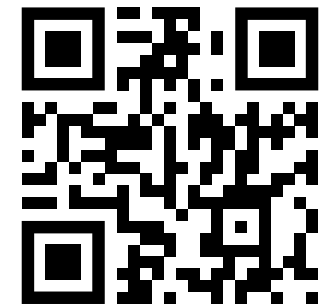
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Thank You

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BUSINESS NETWORK

