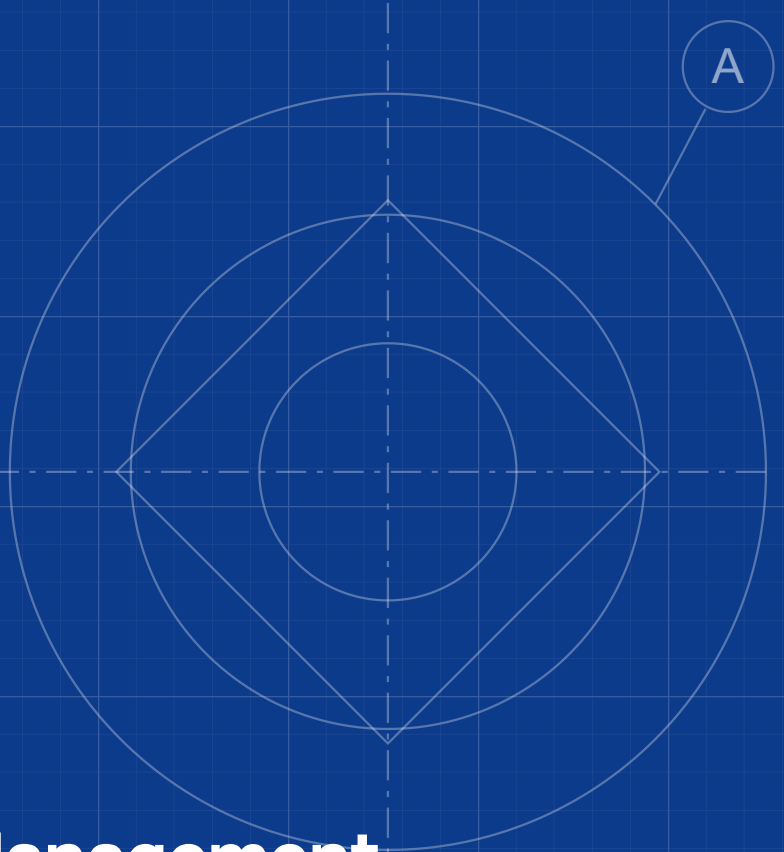


SOLUTION PROPOSAL

SOLUTION PROPOSAL & QUOTATION

26 SEPTEMBER 2026



AI Construction Management and Progress Reporting System

An interior contractor managing about 20 projects at a time, tracking BOQs, site progress and supplier orders in Excel and LINE photos.

SAMPLE PROPOSAL



PROJECT

AI Construction Management and Progress Reporting System

DRAWN BY

DNA Maker AI Engineer

CHECKED BY

DNA Maker engineering team

DATE

26 September 2026

SHEET

01 / 09

REV.

A

Executive Summary

The client runs about 20 interior projects at a time, but BOQs, site progress and supplier orders live in Excel and LINE photos. Site engineers send daily photos and notes to LINE groups, while project managers rebuild weekly client reports by hand, and budget against actual is only known at the end. DNA Maker will build an AI construction management system that reads BOQs and drawings, turns site photos and notes into reports, compares budget with actual, flags delays and builds the client progress report. The outcome is faster, consistent reporting and earlier visibility of budget and delay issues across concurrent projects.

SPECIFICATIONS

CLIENT

An interior contractor managing about 20 projects at a time, tracking BOQs, site progress and supplier orders in Excel and LINE photos.

PROJECT

AI Construction Management System

OVERALL TIMELINE

5 weeks

DELIVERY PHASES · SYSTEM COMPONENTS

4 · 6

20 projects

Concurrent interior projects

\$350,000–
650,000

Preliminary budget

8–12 weeks

Estimated timeline

OUR DIRECTION

The system reads BOQs and drawings, captures site photos and notes, and converts them into structured progress reports. It then compares budget with actual, flags delays, and assembles the client progress report. Together these parts replace manual Excel and LINE-based reporting with a single AI-assisted workflow.



Problem Analysis

Four distinct problems were found in the current tracking and reporting workflow.

1

FINDING 01

Fragmented Tracking

BOQs, site progress and supplier orders are tracked across Excel and LINE photos, so project data is scattered. With about 20 concurrent projects, managers lack a single reliable view of site status.

2

FINDING 02

Manual Client Reports

Project managers rebuild weekly client reports by hand from site photos and notes. This consumes management time and creates inconsistent reporting across projects.

3

FINDING 03

Late Budget Visibility

Budget against actual is only known at the end, so cost overruns cannot be corrected during the project. This limits financial control and margin protection.

4

FINDING 04

Delayed Detection

Site engineers send daily photos and notes to LINE groups, but delays are not systematically flagged from that flow. Problems surface late, when recovery is harder and client communication is reactive.



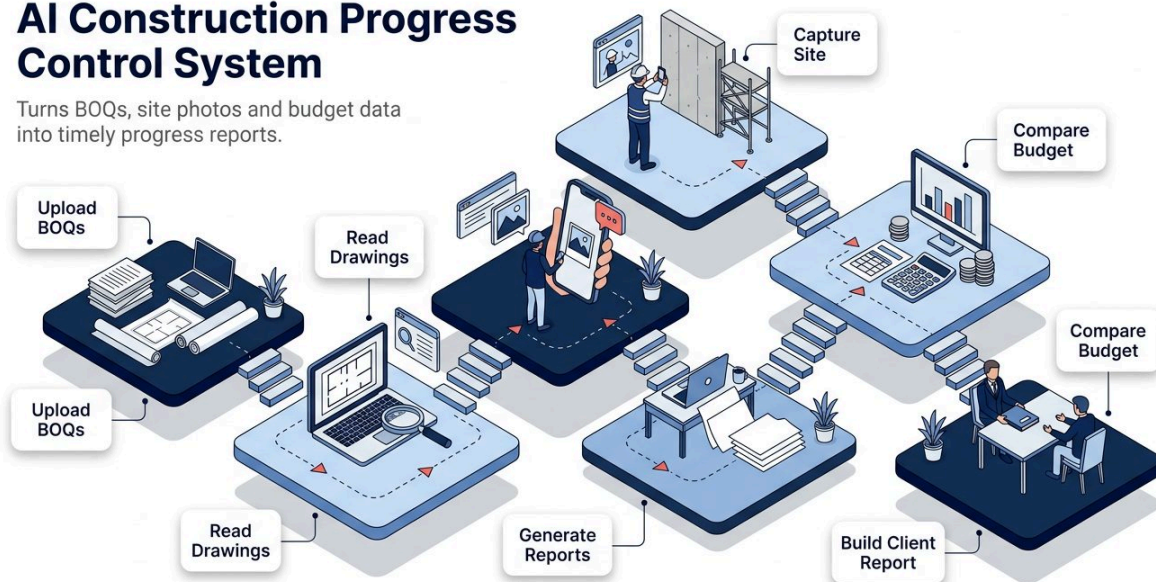
Solution Architecture

AI Construction Management System

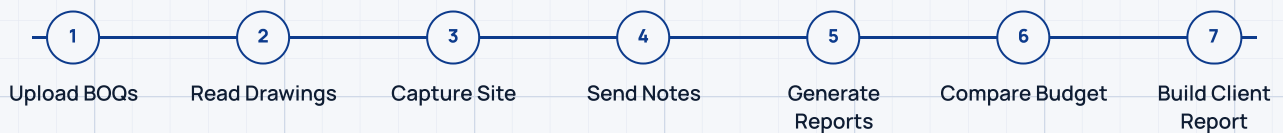
DETAIL A – HOW THE SYSTEM WORKS

AI Construction Progress Control System

Turns BOQs, site photos and budget data into timely progress reports.

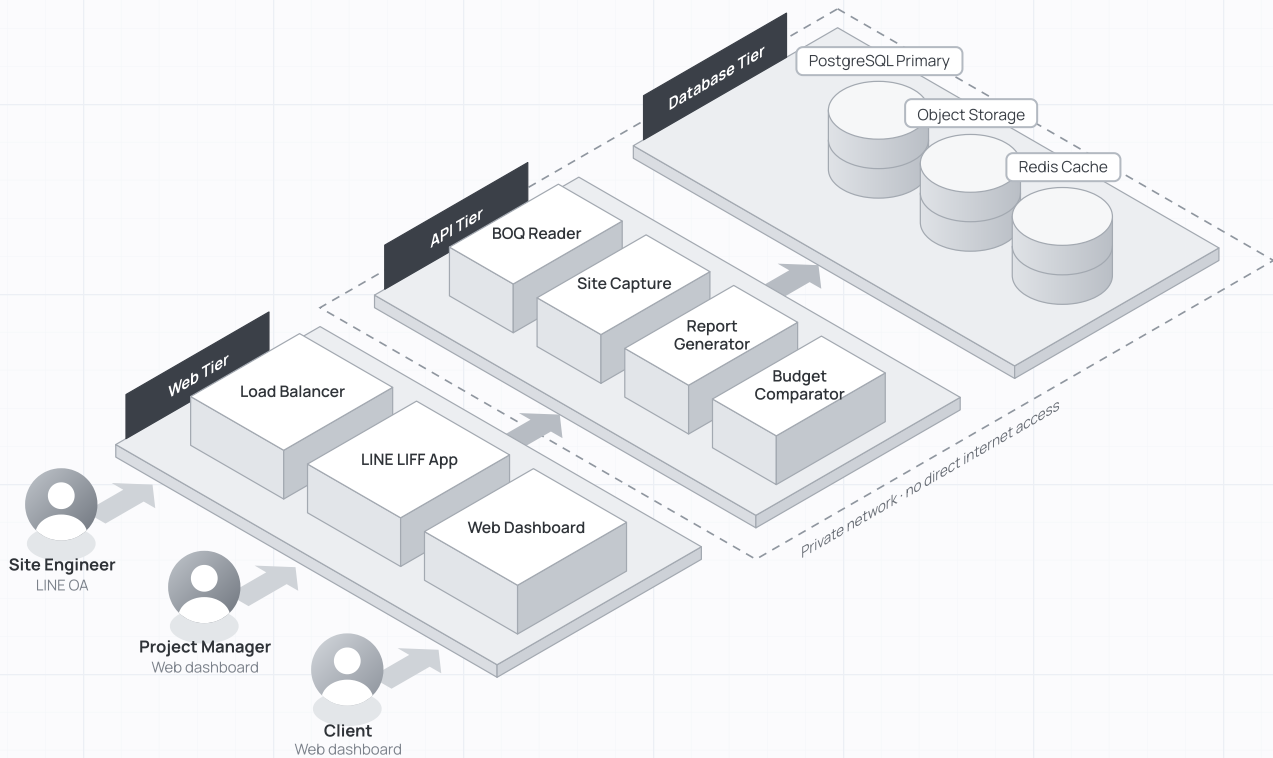


AI Construction Progress Control System – Turns BOQs, site photos and budget data into timely progress reports.



Deployment Architecture

A true 3-tier deployment — web, API and database on separate tiers, with the database in a private network, never exposed to the internet.



Who uses the system



Site Engineer
LINE OA

Uploads site photos and daily notes.



Project Manager
Web dashboard

Reviews progress, budget, and delays.



Client

Web dashboard

Views weekly progress reports.

Traffic estimate

Daily volume

~20 site updates/day

Peak load

~0.01 req/s, 4-6 PM rush

Concurrent users

~25 users

Capacity plan

2 app servers behind load balancer, auto-scaling to 4; PostgreSQL primary + replica, Redis cache.

Assumed 20 projects × 1 daily update × 5 API calls ≈ 100 calls/day; 30% in 4-6 PM peak ≈ 0.01 req/s; launch 2 servers sustain >3×.

Server and cloud hosting costs are not included in this proposal; they are billed by the provider directly to you.

Scope of Work

BILL OF MATERIALS

NO.	KEY COMPONENTS	ROLE
1	BOQ & Drawing Reader	Reads BOQs and drawings to establish the project baseline.
2	Site Capture	Collects site photos and notes from engineers for daily progress input.
3	Report Generator	Turns site photos and notes into structured progress reports.
4	Budget Comparator	Compares budget with actual to show cost position.
5	Delay Flagger	Flags delays from project progress and site inputs.
6	Client Report Builder	Builds the weekly client progress report.

INCLUDED

- ☒ AI reading of BOQs and drawings
- ☒ Site photo and note intake
- ☒ Automated progress report generation
- ☒ Budget vs actual comparison
- ☒ Delay flagging
- ☒ Client progress report builder

NOT INCLUDED IN THIS SCOPE

- ☐ Accounting software integration
- ☐ Custom mobile app development
- ☐ Ongoing data entry services
- ☐ Server and cloud hosting costs

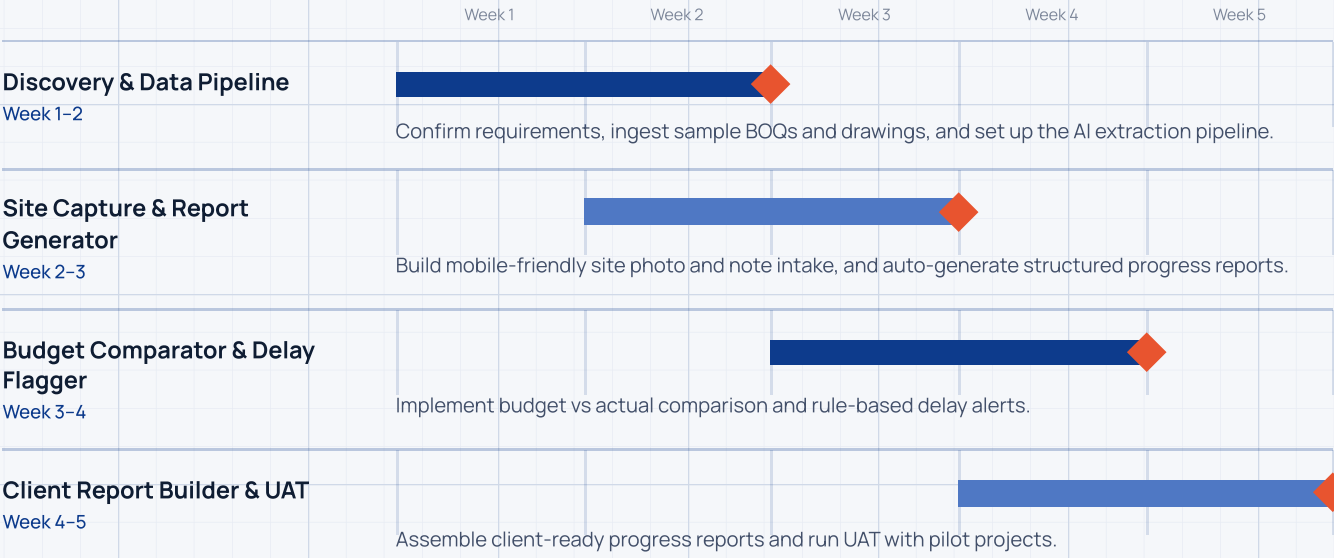
RISKS & MITIGATION

Poor quality or inconsistent drawings/BOQs may reduce AI extraction accuracy.	Start with a validation set and include manual review steps in the workflow.
Site photos may lack metadata or context for automated reporting.	Enforce simple capture rules (project ID, location, timestamp) in the intake form.
Scope creep from 20 concurrent projects may delay delivery.	Phase rollout starting with 2-3 pilot projects before full deployment.



Delivery Plan

Overall timeline	Delivery phases	System components	Deliverables
5 weeks	4	6	6



Estimated Investment

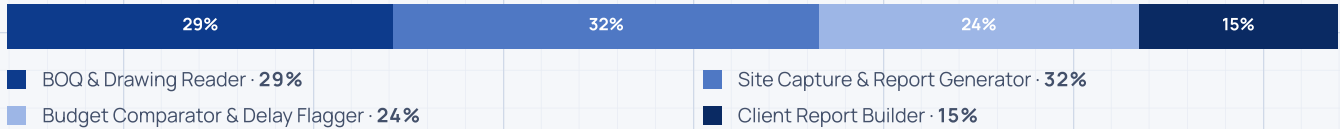
ESTIMATED TOTAL

฿90,000–250,000

Overall timeline

5 weeks

BUDGET BREAKDOWN



ITEM	PRICE RANGE (THB)	DURATION
BOQ & Drawing Reader AI extracts quantities and scope from BOQs and drawings.	฿30,000–70,000	2 weeks
Site Capture & Report Generator Mobile photo/note intake and automated progress report generation.	฿30,000–80,000	2 weeks
Budget Comparator & Delay Flagger Compares budget vs actual and flags delays with alerts.	฿20,000–60,000	1 week
Client Report Builder Assembles client-ready progress reports from structured data.	฿10,000–40,000	1 week
Estimated total	฿90,000–250,000	5 weeks

PAYMENT TERMS



ESTIMATE ASSUMPTIONS

- Client provides sample BOQs, drawings, and historical site reports in digital format.
- Client has stable internet and cloud access for site teams.
- Client nominates a single project manager for weekly reviews.
- Existing Excel data can be exported to CSV/Excel for integration.

NOTE Every figure in this document is a preliminary estimate based solely on the information shared in conversation. Final pricing and timing are confirmed after a detailed requirements and systems review. Server and cloud hosting costs are not included in this proposal; they are billed by the provider directly to you.



Why DNA Maker

Thailand's leading banks, enterprises and government agencies trust us with systems that have to go live — and stay live.

500+
projects delivered since 2012

01 Chosen by Thailand's leaders

SCB, KBank, Krungsri, AIS, SCG, BDMS, the Treasury Department (Ministry of Finance) and Sony Device Thailand chose DNA Maker for systems where failure is not an option.

03 You own 100% of it

Full source code and IP are handed to you — no plugin lock-in, no surprise licence fees, no limits on future changes.

05 Ready for the AI era

Content, search and data are structured for AI search engines and ChatGPT-style assistants, so the system grows with you instead of being rebuilt.

02 Bank-grade security, proven

A true 3-tier architecture (Web · API · Database) keeps your database off the public internet, validated by penetration and stress testing. Our Bluweo Engine is security-certified and runs at multiple bank groups.

04 Clears every go-live gate

We know bank and enterprise IT governance from the inside: every requirement in your TOR is covered, with no gaps and no surprises at acceptance.

06 A partner long after launch

Multi-year client relationships, and a Bangkok team that stays on to improve the system and solve problems after go-live.

TRUSTED BY

SCB

Banking

KBank

Banking

Krungsri

Banking

AIS

Telecom

SCG

Industry

BDMS

Healthcare

Treasury Department

Ministry of Finance

Sony Device Thailand

Electronics

NEXT STEPS

1. Scoping session with the engineering team to confirm requirements and data formats.
2. Provide sample BOQs, drawings, and site reports for a 2-week technical spike.
3. Review and sign off on the phased plan and commercial proposal.

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