

SOLUTION PROPOSAL

SOLUTION PROPOSAL & QUOTATION

26 SEPTEMBER 2026



AI Knowledge Base for Engineering Consultancy

An engineering consultancy with 15 years of documents, about 40,000 files and 120 staff.

SAMPLE PROPOSAL



PROJECT

AI Knowledge Base for Engineering Consultancy

DRAWN BY

DNA Maker AI Engineer

CHECKED BY

DNA Maker engineering team

DATE

26 September 2026

SHEET

01 / 09

REV.

A

Executive Summary

The consultancy has 15 years of PDFs, Excel, Google Drive and SOPs, but staff cannot find what they need and new hires repeatedly ask seniors the same questions. Some project files are restricted to their team, so any solution must respect existing permissions. We will build an AI company knowledge base that indexes every document, lets staff ask questions in chat, and returns answers with cited sources, plus summaries and comparisons. The outcome is faster access to trusted knowledge, less repeated questioning of senior staff, and permission-safe use of 40,000 files across 120 staff.

SPECIFICATIONS

CLIENT

An engineering consultancy with 15 years of documents, about 40,000 files and 120 staff.

PROJECT

Permission-Aware AI Knowledge Base

OVERALL TIMELINE

6 weeks

DELIVERY PHASES · SYSTEM COMPONENTS

4 · 6

40,000

files

120

staff

\$250,000–
480,000

preliminary budget

OUR DIRECTION

The system connects to Google Drive and the file server, indexes PDFs, Excel, and SOPs, and keeps each document's team restrictions intact. Staff ask questions in chat and receive answers that cite the exact source documents. Summaries and comparisons help them understand long or related documents without opening each file.



Problem Analysis

We found four distinct problems in how knowledge is stored, found, governed, and maintained.

1

FINDING 01

Fragmented Storage

Documents live across PDFs, Excel, Google Drive, a file server, and SOPs. Staff must search multiple places with different structures. This wastes time and makes complete answers hard to assemble.

2

FINDING 02

Unfindable Knowledge

Staff cannot find anything among 40,000 files. Search is ineffective across formats and locations. The business cost is lost productivity and duplicated work.

3

FINDING 03

Repeated Senior Questions

New hires keep asking seniors the same questions. Senior engineers lose time answering instead of doing project work. Onboarding slows and knowledge stays trapped with a few people.

4

FINDING 04

Permission Risk

Some project files are restricted to their team. A general search tool could expose confidential material or block legitimate access. Manual permission handling across Google Drive and the file server adds risk and overhead.



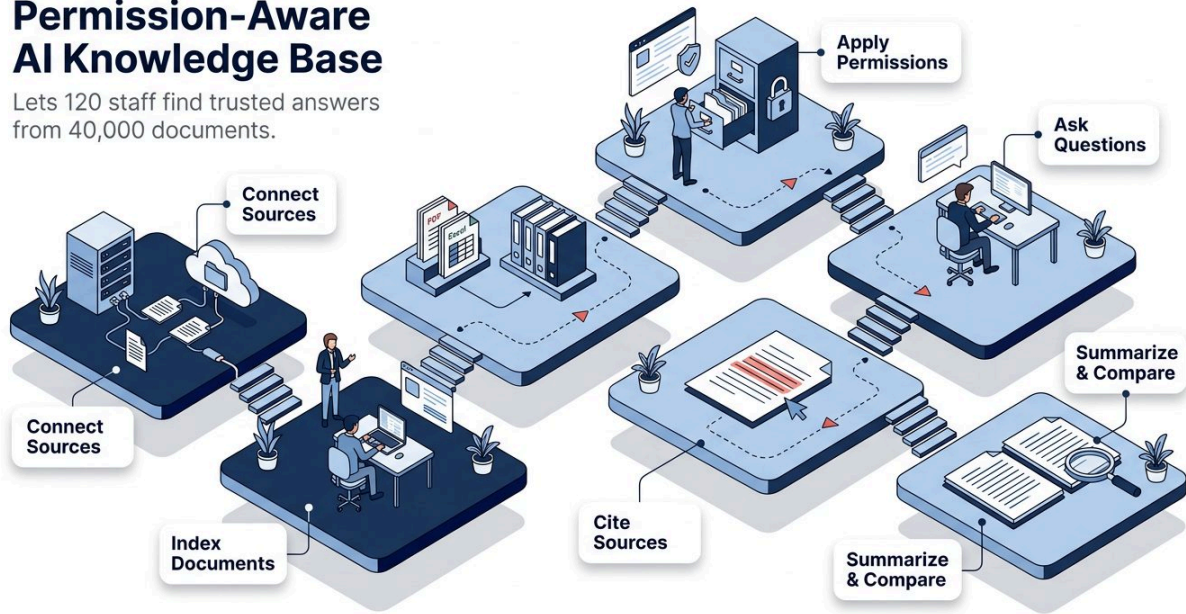
Solution Architecture

Permission-Aware AI Knowledge Base

DETAIL A – HOW THE SYSTEM WORKS

Permission-Aware AI Knowledge Base

Lets 120 staff find trusted answers from 40,000 documents.

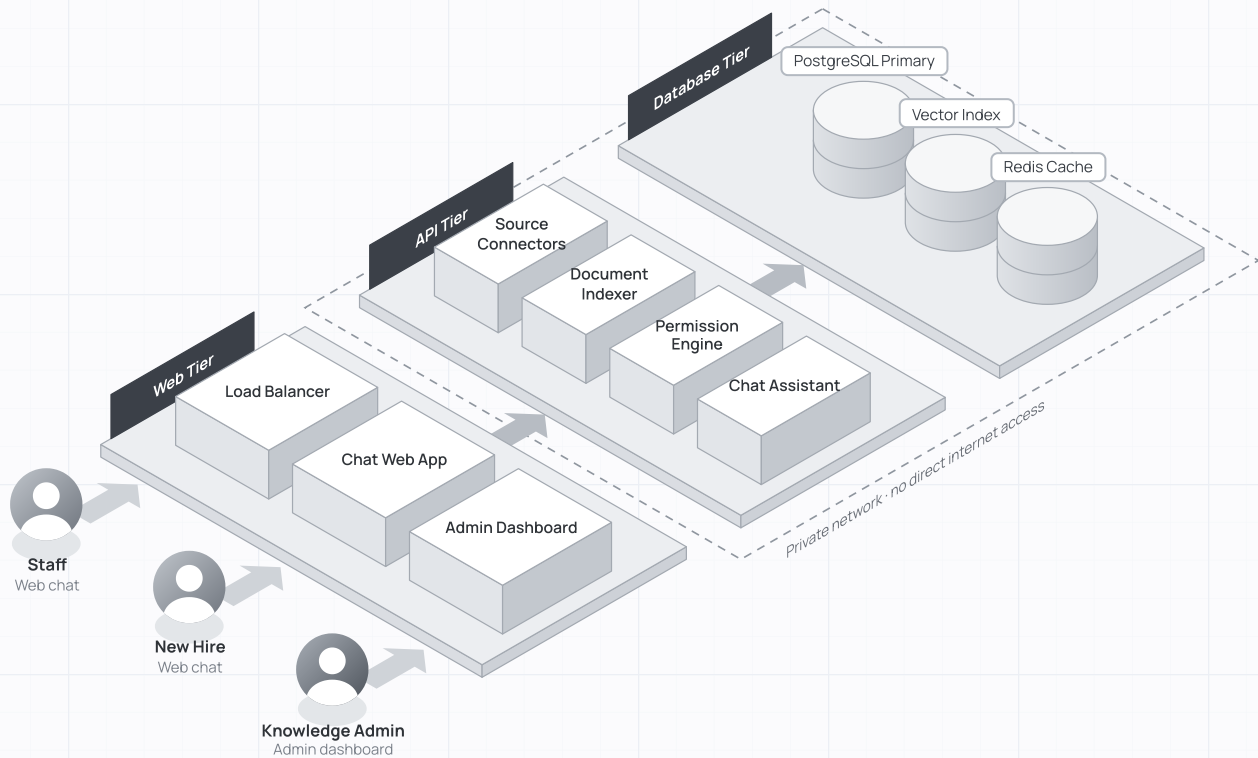


Permission-Aware AI Knowledge Base — Lets 120 staff find trusted answers from 40,000 documents.



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



Staff

Web chat

Ask questions and get cited answers, summaries, comparisons.



New Hire

Web chat

Self-serve onboarding questions without interrupting seniors.



Knowledge Admin

Admin dashboard

Manage source connectors, permissions, and indexing.

Traffic estimate

Daily volume

~600 queries/day (assumed)

Peak load

~0.2 req/s, 9–11 AM

Concurrent users

~20 users

Capacity plan

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

Assumed 600 queries/day (120 staff × 5), 20% in peak hour, 5 API calls/query ≈ 0.17 req/s; 2 app servers sustain > 3× that.

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	Source Connectors	Connect to Google Drive and the file server to read documents.
2	Document Indexer	Extracts and indexes content from PDFs, Excel files, and SOPs.
3	Permission Engine	Applies each document's team restrictions to every search and answer.
4	Chat Assistant	Lets 120 staff ask questions in natural language.
5	Citation Service	Returns answers with links or references to the source documents.
6	Summary & Comparison Module	Generates document summaries and side-by-side comparisons.

INCLUDED

- ☒ Indexing of PDFs, Excel, Google Drive and SOPs
- ☒ Permission-aware search and answers
- ☒ Chat interface for staff questions
- ☒ Source citations in every answer
- ☒ Document summaries and comparisons
- ☒ Integration with Google Drive and file server

NOT INCLUDED IN THIS SCOPE

- ☐ Manual cleanup or deduplication of legacy documents
- ☐ Custom integrations beyond Google Drive and the file server
- ☐ Ongoing content authoring or editing tools
- ☐ Server and cloud hosting costs

RISKS & MITIGATION

Source permissions are inconsistent or incomplete, risking unauthorized access.

Permission Engine syncs with source ACLs and includes an audit report before go-live.

Large volume of scanned or low-quality PDFs reduces answer accuracy.

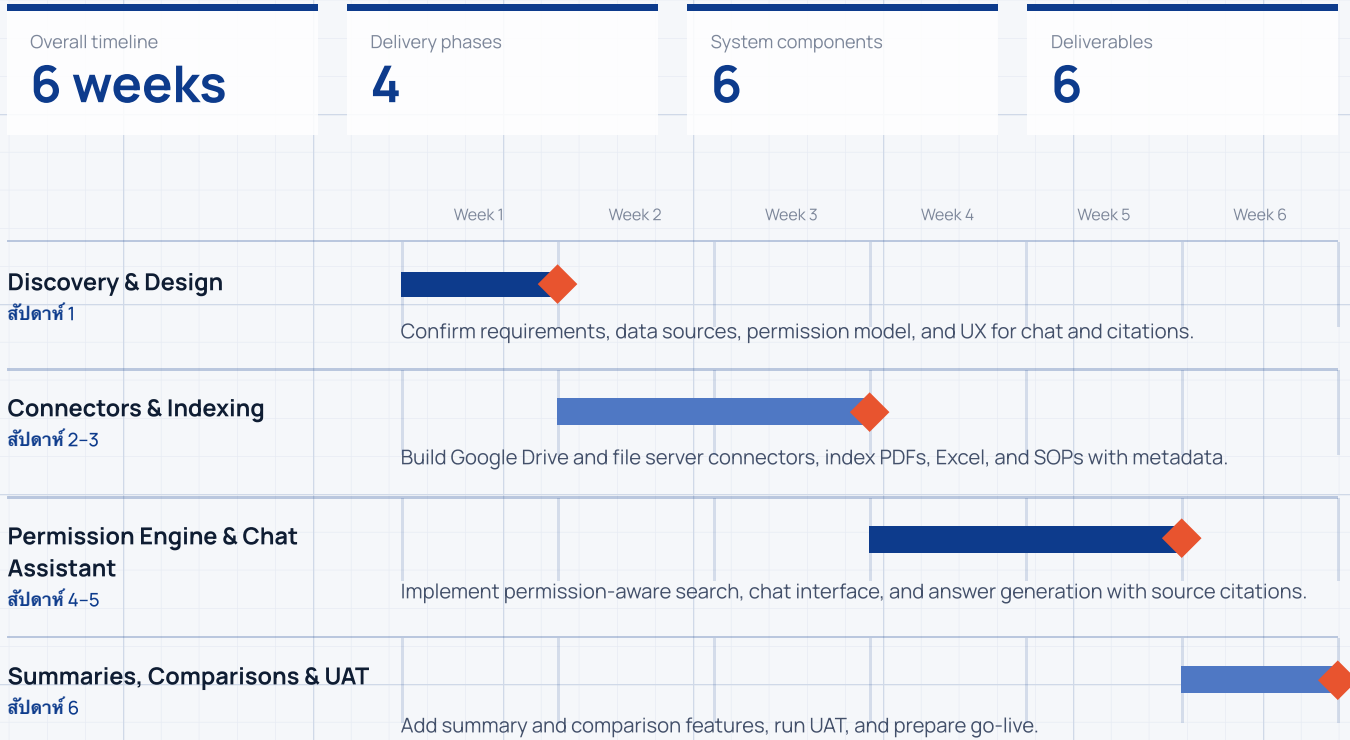
Include OCR and confidence scoring, with fallback to source document links.

Delays in client feedback or UAT availability.

Pre-schedule UAT windows and use async test scripts.



Delivery Plan



Estimated Investment

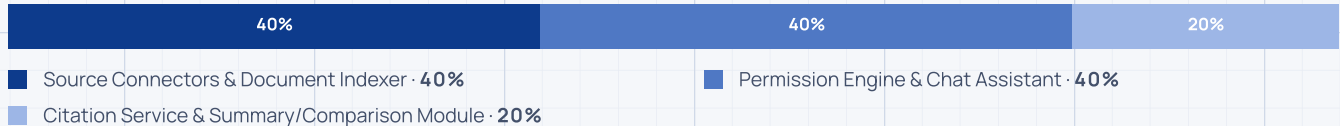
ESTIMATED TOTAL

฿150,000–350,000

Overall timeline

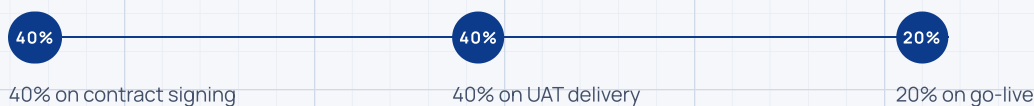
6 weeks

BUDGET BREAKDOWN



ITEM	PRICE RANGE (THB)	DURATION
Source Connectors & Document Indexer Connects Google Drive and file server, indexes PDFs, Excel, and SOPs.	฿60,000–140,000	2 สัปดาห์
Permission Engine & Chat Assistant Enforces team restrictions and delivers permission-aware chat answers.	฿60,000–140,000	2 สัปดาห์
Citation Service & Summary/Comparison Module Adds source citations, document summaries, and side-by-side comparisons.	฿30,000–70,000	2 สัปดาห์
Estimated total	฿150,000–350,000	6 weeks

PAYMENT TERMS



ESTIMATE ASSUMPTIONS

- Client provides timely access to Google Drive and file server, including API credentials and read permissions.
- Document set is up to 40,000 files in PDF, Excel, and SOP formats; scanned documents may require OCR.
- Existing permission structures are documented and available for mapping to the Permission Engine.
- Client designates a project owner and up to 10 test users for UAT within the agreed timeline.

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, data access, and permission model.
- 2 Provide sample documents and permission matrix for technical validation.
- 3 Sign contract and kick off discovery phase.

Built to go live. Built to last.



CEO & Solution Provider

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