



P-Techx

The AI practice of P-Tech & Consulting Co., Ltd.

COMPANY PROFILE · 2026

AI that actually connects to your reality.

We integrate AI into real systems — production lines, backend databases, daily workflows. Not isolated demos.

Ten years.

Of team experience building the ERP, SCADA, and CMMS systems your AI actually has to talk to.

Six sectors.

Automotive, energy, retail, healthcare, finance, and enterprise operations.

Still live.

Our longest continuous AI engagement is two years and eight months old, and running today.

THE ENTERPRISE AI REALITY CHECK

Most enterprise AI never leaves the demo.

TYPICAL AI VENDORS

- × Endless proof-of-concepts that die in production.
- × Rented, generic APIs that do not understand your business.
- × Vague promises of increased efficiency.
- × Isolated dashboards disconnected from core operations.

THE P-TECHX REALITY

- ✓ Systems engineered to survive production and scale.
- ✓ Custom models trained specifically on your proprietary data.
- ✓ Strict, trackable metrics tied directly to ROI.
- ✓ Deep hooks into your existing ERP, SCADA, and PLCs.

Deployed systems first. Benchmarks second.

93.7%

TIER-1 AUTOMOTIVE SUPPLIER · VISION & OCR

Field-level accuracy across 689 factory images and 7,798 fields, at 0.8 seconds each. Two models we trained ourselves: tag-type classification at 99.2%, and 94.7% on the critical fields. 18 days of scored iteration took it up from 76.8%.

60,000

SAME CLIENT, SECOND SYSTEM · PRODUCTION TRACEABILITY

What one production line turns out in a day — every piece traceable. An edge service reads the line's PLCs and inspection cameras every second, counts good and rejected parts per lot, and prints the traceability label the moment a lot completes. Scan any QR and the system walks the part's history backwards through every station.

32 months

ENERGY & SOLAR MANAGEMENT

Two years and eight months of unbroken anomaly detection across a fleet approaching a thousand sites. Every item on the urgent list carries a price — one underperforming inverter, about THB 21,600 a month, flagged before anyone notices the dip.

22 actions

LINE AI ASSISTANT · MEMBERSHIP PLATFORM

Back-office actions the assistant takes for the member it's talking to — bound to each member's LINE identity, answering from that member's data and nobody else's. High-risk actions stop for a human. Runs at about THB 121 a day, tracked live on a cost console.

94%

THAI PRODUCT SEARCH · CAPABILITY BENCHMARK

Recall@10, up from 50% — semantic queries at 89%, typo tolerance at 85%, both from zero. Built on our own 56-query eval harness: Postgres full-text and pgvector, fused with RRF. Reproducible on request.

CAPABILITIES · ONE INTEGRATION LAYER

Enterprise knowledge. AI assistants.

Permission-aware AI answering from your own company data, with an exact citation behind every answer.

Autonomous workflows.

Agents doing real work across platforms, held by human approval gates.

Visual inspection.

Custom models reading complex manufacturing tags, and QA running where the parts are.

Intelligent analytics and AI search.

Hybrid semantic search that reads native-language intent — so customers find the thing.

DELIVERY · FOUR STAGES, THREE GATES

01 Discovery

1–2 wks

Evaluation set defined from your real data before anyone writes a model.

GATE 1 · MEASURABLE GOALS AGREED

02 Proof of Concept

2–4 wks

A working prototype and the first evaluation report, scored against that baseline.

GATE 2 · HARD METRICS MET

03 Pilot

4–8 wks

Real users, cost guardrails on, monitoring live.

GATE 3 · REAL-WORLD ROI PROVEN

04 Production

Ongoing

Continuous deployment, alerting, an SLA, and retraining loops.

SLA · ALERTS · RETRAINING

Miss the metrics at any gate and we stop. Kill criteria are set on day one.

ALSO DELIVERED · THE SYSTEMS BEHIND THE SIX SECTORS

Finance — in use

Multi-tenant Thai accounting & ERP: Thai chart of accounts, tax and withholding built in, AI-read bills on mobile.

Healthcare — production, now expanding

A public-health clinic end to end: appointments, OPD, labs, medication, referrals. Now being rebuilt around TB care to MoPH standards.

Industrial — delivered

An STM32 Modbus gateway managing up to 128 pH sensors: firmware, closed-loop control, and the Windows configurator.

Retail enterprise — in production

The deeply customised Strapi CMS behind a national retail platform, on AWS, built inside a twelve-person product team — 1,871 commits of it ours.



Four people who have shipped this before.

P-Tech & Consulting Co., Ltd., incorporated 2025 in Bangkok. The company is new; the decade of production systems behind it is not. The people who scope your engagement are the people who build it.

p-techx.com

Saintentex@gmail.com

+66 11 846 590

Free 30-minute consultation