



S.A.L.T CI · CENTRAL INTELLIGENCE

PLATFORM BRIEF · S.A.L.T CI

S.A.L.T CI Platform

Sovereign enterprise AI that runs on your own servers, air-gapped by default, under your own brand. One core, a ring of shared AI servers, and twelve applications built on both. Built in Malaysia.

100% on-premise

Air-gapped by default

Any GPU or CPU

Bahasa Melayu & English

Two-level white label

Twelve applications

One core

TIER 3 · INTELLIGENCE APPLICATIONS

what people use

MOM Studio

TERUSAN

TETAMU

PERISAI

SENTINEL

S.A.L.T NEXUS

IRIS

LOGHAT

+ more

TIER 2 · SHARED AI SERVERS

MCP servers that grow with your needs

Ear · audio

Eye · vision

Tongue · dialect voice

Documents

Security

Surveillance

TIER 1 · TERAS CORE

one gateway for every model, tool and app

Local models

Knowledge & RAG

SSO · roles · audit

Model Studio

Federation



01 · WHY S.A.L.T CI

Sovereign AI, **without stitching it together**

Government agencies, universities, defence and regulated enterprises need AI they control. Until now that meant either sending data to a foreign cloud, or assembling borrowed open-source parts and hoping they keep working together.

**Data leaves the country**

Popular AI services run in foreign clouds under foreign law. Sensitive records cannot follow them there.

**A stack of borrowed parts**

A model runner, a chat screen, a vector store and pipelines: separate products to install, upgrade, secure and brand.

**Someone else's brand**

Licence terms limit rebranding at scale, so the organisation and its partners cannot put their own name on the service.

FOUR WORDS, ONE PROMISE

S**Scalable**

From a single notebook to a multi-site national deployment, on the same platform.

A**Advanced AI**

Local models first, any major provider as an optional connector. Generative and agentic.

L**Local**

Data never leaves your infrastructure. Fully on-premise and air-gap capable, in Bahasa Melayu and English.

T**Trustworthy**

Full audit trail, role-based access, no lock-in. Open-source foundations credited openly.

Like salt in food

S.A.L.T CI enhances people without replacing them. It becomes the quiet essential in daily operations, where **AI advises and people decide**.

S.A.L.T CI in one line

One sovereign AI platform that runs on your own servers, works with the network cut, carries your brand, and grows from one notebook to a national deployment without changing product.





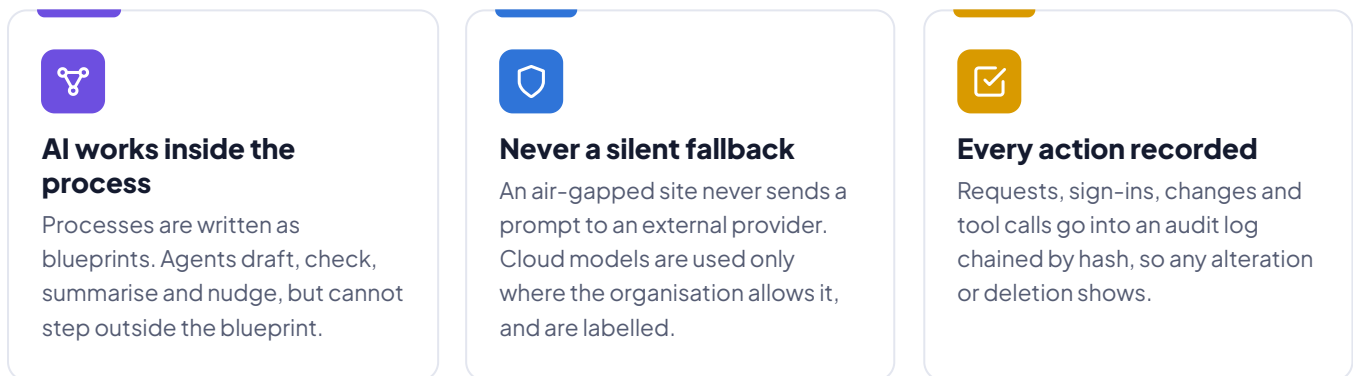
02 · HOW IT THINKS

Generative plus agentic, **bounded by your rules**

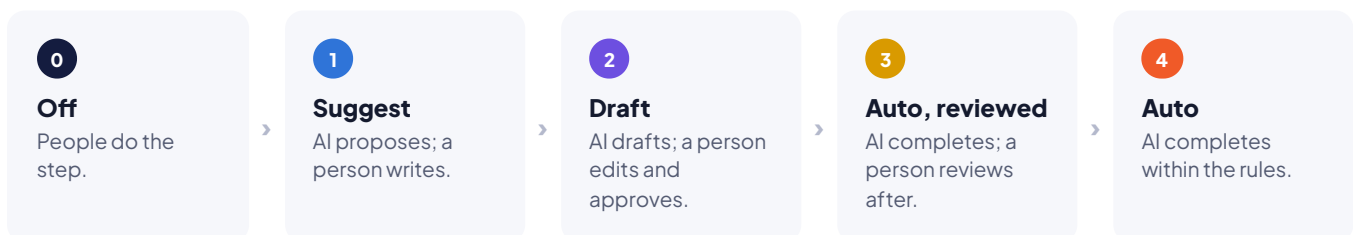
S.A.L.T CI brings content creation and autonomous action together, but always inside limits the organisation sets and can inspect.



THREE RULES EVERY S.A.L.T CI PRODUCT FOLLOWS



AI WITH A DIAL, NOT A SWITCH



Each AI step has its own level. Low-confidence or uncited output always goes to a person.

Built for people who must answer for the result

Officers, lecturers and engineers stay accountable for what leaves their desk. S.A.L.T CI shows its sources and which model answered, so a person can check the work before signing it.





03 · ARCHITECTURE

Three tiers. One platform.

Most AI products are one application. S.A.L.T CI is a core, a ring of shared AI servers, and the applications built on both, so every new capability is built once and reused everywhere.

TIER 3 · INTELLIGENCE APPLICATIONS

what people use

MOM Studio

TERUSAN

TETAMU

PERISAI

SENTINEL

S.A.L.T NEXUS

IRIS Vision

LOGHAT

Arch Intelligence

REKA

NAKHODA

PANGLIMA

TIER 2 · MCP & SUPPORTING SERVERS

14 MCP servers today, more as needs grow

Audio · the ear

IRIS · the eye

LOGHAT · the tongue

Avatar

Arch v1 · v2

DocConvert

Workspace

PERISAI x 5

Surveillance

Kali worker

TIER 1 · TERAS CORE INTELLIGENCE

one gateway for every model, tool and app

OpenAI-compatible gateway

Local models

Knowledge & RAG

SSO · RBAC · audit

Optional providers

Federation · failover

Model Studio · LoRA

Personalisation

Voice · vision · OCR

DEVELOPMENT TOOLS

never shipped to clients

REKA Sandbox · agentic build environment

S.A.L.T CI Sandbox · bank, 7 gateways, mail, WhatsApp

**TIER 1****TERAS is the brain**

Runs the models, holds the knowledge, enforces identity and policy, and records every request.

**TIER 2****Servers are the senses**

Hearing, sight, voice, documents and security, built once as MCP servers and called by every application.

**TIER 3****Apps are thin and fast**

Each application is a focused front end on top of the platform, quick to build and simple to replace.

HOW EVERY REQUEST TRAVELS

1

App or person

Console, MOM Studio, TERUSAN, any OpenAI-compatible tool

2

Policy first

Identity, tenant rules, classification and quotas

3

Then route

Local model, linked site, or a provider only if allowed

4

Then record

Audit, usage and cost, chained by hash





04 · TIER 1 · TERAS CORE

One core that runs **models, knowledge and policy**

TERAS is S.A.L.T CI's own core engine, written from scratch. It installs once and serves every application, and the same platform runs a notebook demo or a ministry-wide rollout.

**Multi-model**

Local models first; switch models mid-session; 10+ providers optional.

**Any hardware**

NVIDIA, AMD, Intel, Apple silicon or CPU, mixed in one site.

**Knowledge with citations**

Upload documents and query them; answers show their sources.

**OCR in BM and English**

Scanned papers and images become searchable knowledge.

**Voice and images**

Speech to text, read-aloud and image generation, all local.

**Personalisation**

Memory and writing style that follow each person across models.

**Model Studio**

Test sets, judge, scorecards and LoRA fine-tuning before people rely on a model.

**Agents and tools**

MCP and OpenAPI tools, schedules, webhooks and channels such as WhatsApp and Teams.

**Sign-in and access**

SSO with Entra ID, Google, Keycloak, LDAP or SAML; roles, keys and quotas.

**Hash-chained audit**

Who, what, which model, where it ran, the result and the tokens.

**Linked sites**

Several sites share models and compute, with failover between nodes.

**Two-level white label**

Client branding and reseller branding, with the framework credited.

COMPATIBLE WITH WHAT IS ALREADY BUILT

INTERFACE	FOR
/v1/chat/completions · /v1/responses	OpenAI-compatible apps and agents, with streaming and tools
/v1/messages	Apps written for Anthropic's Messages API
/api/chat · /api/tags	Ollama-compatible tools, unchanged
/v1/embeddings · /v1/rerank	Search vectors and re-ranking from local models
/mcp · webhooks	TERAS as an MCP server for other agents; signed events for other systems

Full detail in the S.A.L.T CI TERAS product brief.





05 · MODEL STUDIO

Prove a model, then **teach it your way**

Most platforms let you pick a model and hope. TERAS lets the organisation compare, grade and fine-tune models on its own questions, on its own GPU, before people rely on them.

**PLAYGROUND****Compare side by side**

Ask once and compare up to three models, each with its full trace: route, first-word time, speed and tokens.

**EVALUATE****Grade on a test set**

Build test sets from real questions. A judge model scores every answer, and scorecards show which model fits which job.

**FINE-TUNE****Teach it the house style**

Train a LoRA adapter on your own dataset and GPU. TERAS tests it before and after, then serves it like any other model.

FROM DATASET TO A TESTED MODEL, IN ONE PANEL

1

Dataset

Import, take from chats, or generate from a knowledge collection

2

Train

A LoRA adapter on a workstation or server GPU

3

Convert

To the runtime format and added to TERAS

4

Test

Before and after on the same test set

5

Serve

Many adapters share one engine

**Any dataset format**

OpenAI messages, ShareGPT, Alpaca, chats, test sets, or generated from documents.

**Small GPUs welcome**

Small models train on a workstation card; larger ones on servers.

**Red-team test sets**

Moderation and red-team sets check a model before release, with PERISAI.

A real example: 0% to 100% on its test set

A small model learned an organisation's helpdesk answer format from 61 examples in a training run of minutes on a workstation GPU, then passed its full test set where the base model passed none.



06 · SITES & FEDERATION

From one notebook to a national network, without a single script

Multi-server AI is usually a project of its own, with load balancers, sync scripts and command-line setup. In TERAS, nodes, compute agents and linked sites are added from the admin panel, without reinstalling.

1

Single server

One install is one site, fully air-gapped if required.

2

Several nodes

Each node has a full copy; failover by itself with three or more.

3

Compute agents

Spare machines lend engines, any GPU or CPU, keeping only model files.

4

Linked sites

Independent sites link with a one-time code, each choosing what it shares.

WHAT A LINK BETWEEN SITES CAN SHARE

SHARE	WHAT IT DOES
Models	All or chosen models, shown as site/model; cloud models only while the giving site allows them
Engines (burst)	The other site's engines answer when a model is missing here, when this site is busy, or both
Knowledge	Collections searched where they live; documents are never copied
Backup space	Holds the other site's encrypted backups, which it cannot read
People	Recognise each other's people, so chats and memories follow a person

**Link with a code**

A one-time code plus a matching check code on both screens; requests between sites are signed.

**Encrypted backups**

Scheduled AES-256-GCM backups to a folder, another site, S3, Google Drive or OneDrive.

**No downtime**

Drain or remove a node, or hand over the main role, while people keep working.

Example: a university that starts small

Lecturers first run TERAS on their own notebooks. Faculty servers join as the main site for people without one, and as burst capacity for those who have one. Later a campus data centre becomes the main site, with every earlier install still linked.





07 · TIER 2 · SHARED AI SERVERS

Shared servers that every app can see, hear and use

Shared capabilities are built once as MCP servers and reused by every application, instead of each app rebuilding its own transcription, vision or document engine. Fourteen run today, and the set is open-ended, so a new server is added whenever a client needs a new capability.



SENSES · 4

Hear, see and speak

- **Audio MCP**: the ear, speech transcription
- **IRIS Vision**: the eye, documents, photos and cards
- **LOGHAT**: the tongue, eight Malaysian dialects
- **Avatar Companion**: 3D avatar with lip-synced voice



BUILD & DOCUMENTS · 4

Produce real outputs

- **Arch MCP v1 and v2**: brief to floor plan, 3D and PDF
- **DocConvert**: HTML to PDF, DOCX, PPTX and XLSX
- **Workspace MCP**: generates ready workspaces for teams



SECURITY · PERISAI · 5

Defend and comply

- **TINJAU**: reconnaissance, scanning and OSINT
- **TAHAN**: active defence and auto-ban
- **JEJAK**: forensics and incident response
- **PATUH**: ISO 27001, NIST, RMIT, PDPA
- **PERISAI Hub**: unified SOC command



SURVEILLANCE · 1 + WORKER

Watch and act

- **Surveillance MCP**: the SENTINEL detection engine
- **Kali worker**: runs the security toolchain in the background with no public port

Build once, reuse everywhere

MOM Studio, TETAMU and TERUSAN call the same ear, eye and document servers. Improve the eye once, and every application that reads a photo gets better the same day. Each runs as a container alongside the apps it serves.

EXAMPLE: ONE MEETING, THREE SERVERS AND THE CORE

1

Audio server

Transcribes the recording

2

IRIS

Reads whiteboard photos and business cards

3

TERAS model

Drafts the minutes in the department format

4

Document output

An editable Word draft for the secretary





08 · DEVELOPMENT FRAMEWORK

A new enterprise AI app in days, not months

Every application starts with the platform underneath it, so the work goes into the problem, not the plumbing. This is how S.A.L.T CI ships custom applications for clients quickly.

Hours

To scaffold a new MCP server

1 day

To wire in a knowledge base

2 days

To a branded PWA front end

Zero

Additional AI licence cost per app

WHAT EVERY APPLICATION INHERITS

Authentication & RBAC

Full audit trail

Local models + any provider

RAG pipeline

Shared ear, eye and tongue

Document output

On-premise security posture

OpenAI-compatible API

Container deployment

Health checks and logs

TWO SANDBOXES BESIDE THE PLATFORM, NEVER SHIPPED TO CLIENTS



BUILD WITH

REKA Sandbox

An AI coding agent that writes and runs real code in isolated containers on S.A.L.T CI infrastructure, with project memory and access to other S.A.L.T CI products as tools.



TEST AGAINST

S.A.L.T CI Sandbox

A private test engine that speaks the same APIs as real payment gateways, mail servers and WhatsApp: a dummy bank, seven gateway formats, a mail catcher and a WhatsApp look-alike.

FROM IDEA TO THE CLIENT'S OWN CORE

1

Build

In REKA

2

Test

Against the Sandbox

3

Go live

Change base URL and keys

4

Run

On the client's own core





09 · APPLICATIONS

Twelve applications on one platform

Purpose-built front ends that share one gateway, one set of AI servers and one security model. Clients take the applications they need and add more later without changing the core.

APPLICATION	WHAT IT DOES	STATUS
MOM Studio	Meeting intelligence: recordings and photos to minutes in each department's own format	Live
TERUSAN	Governed process flow: forms and approvals run as blueprints with AI working inside them	Showcase
TETAMU	Hospitality platform: hotel operations and an AI concierge on the same records	Showcase
PERISAI	Cybersecurity suite: reconnaissance, active defence, forensics and compliance	Live
SENTINEL	Intelligence surveillance: fire, faces, plates and loitering across existing cameras	Live
S.A.L.T NEXUS	Server and desktop operations: SSH, fleet health and remote desktop with an AI operator	Live
IRIS Vision	Vision intelligence: documents, scenes and business cards, local-first	Live
LOGHAT	Dialect voice studio: speech in, reasoning, speech out, in eight Malaysian dialects	Live
Arch Intelligence	Architectural AI: a written brief to floor plans, 3D massing and a design report	Live
NAKHODA	Sovereign browser companion with S.A.L.T CI as the only backend	Live
REKA	Agentic build suite for developers on their own infrastructure	In progress
PANGLIMA	Sovereign desktop companion that reads the screen and works in desktop apps	In development

Showcase means a working build demonstrated to clients and ready for a proof of concept. Product briefs are available for MOM Studio, TERUSAN, TETAMU, PERISAI, SENTINEL, S.A.L.T NEXUS, IRIS and TERAS.

Start with one application, grow on the same core

Every application runs on the same TERAS core and shared servers. Adding one later means no new AI stack, no new sign-in and no new audit system: the core is already there.





10 · BUSINESS APPLICATIONS

Where the platform **meets daily work**

Four applications that turn the platform into outcomes for administrators, process owners, operators and security teams.

**MEETING INTELLIGENCE****MOM Studio**

- Recordings, photos of whiteboards and business cards in; minutes out
- Each department's own Word layout: header, logo, tables and numbering kept
- Fair job queue, a dedicated minutes model and editable DOCX drafts
- Each user sees only the templates they are allowed to use

**GOVERNED PROCESS FLOW****TERUSAN**

- Any process written once as a versioned blueprint
- 13 building blocks: tasks, reviews, sign-off panels, rules, scoring, documents
- AI with a dial from Off to Auto on every step
- Append-only, hash-chained case history for every decision

**HOSPITALITY****TETAMU**

- Rooms, rates, reservations, guests and staff on one core
- An AI concierge that plans halal-aware, weather-aware trips
- The owner sets the bounds: AI can prepare a booking but never confirm or charge one
- Each property gets its own copy on its own server

**CYBERSECURITY****PERISAI**

- 60+ security tools orchestrated by AI
- Red team, blue team, forensics and compliance in one suite
- ISO 27001, NIST CSF 2.0, RMIT, PDPA and CIS v8 mapping
- Self-run software for the organisation's own team

People stay in charge

Across every application, AI output is a draft or a recommendation. Minutes are edited before release, approvals are signed by people, bookings are confirmed by staff, and security actions follow the organisation's own rules.



11 · OPERATIONS, VISION & VOICE

Intelligence where people already work

On servers and remote desktops, across cameras, in the browser and on the desktop, all powered by the organisation's own S.A.L.T CI gateway.

**OPERATIONS****S.A.L.T NEXUS**

SSH shell, agentless fleet health and remote desktop in one web console. NEXUS AI explains, suggests or runs commands; risky steps wait for approval.

**SURVEILLANCE****SENTINEL**

Real-time computer vision on existing cameras: fire, fauna, faces, number plates and loitering, with duplicate alerts suppressed and no cloud.

**VISION****IRIS Vision**

Reads documents, whiteboards, scenes and business cards on local vision models. An app in its own right and the eye of every other app.

**VOICE****LOGHAT**

A dialect voice studio: speech in, S.A.L.T CI reasoning, speech out, in eight Malaysian dialects, with an own-voice option.

**DESIGN****Arch Intelligence**

A written brief to a complete building design package: floor plans, 3D massing renders and an A3 PDF report.

**COMPANIONS****NAKHODA and PANGLIMA**

A browser companion for writing and context on any page, and a desktop companion that works in Word, Excel and Outlook.

WHERE EACH ONE RUNS

APPLICATION	RUNS ON	PEOPLE REACH IT THROUGH
S.A.L.T NEXUS	The organisation's own server	A web app on any device; an agent for desktops behind NAT
SENTINEL	A server on the organisation's own network	Alerts and a monitoring console
IRIS Vision	The S.A.L.T CI site	A camera-ready web app, and other apps as a building block
LOGHAT	The S.A.L.T CI site	A mobile web app, with continuous conversation mode
Arch Intelligence	The S.A.L.T CI site	A web app that returns a PDF design package
NAKHODA	The person's browser	A browser extension with S.A.L.T CI as its only backend
PANGLIMA	The person's desktop	A Windows desktop companion, in development



12 · SECURITY & GOVERNANCE

Sovereign by design, accountable by default

Security is built into the core, not added per application. Every application inherits the same identity, policy, audit and routing rules from TERAS.

DATA CLASSIFICATION ROUTING

Terbuka

Terhad

Sulit · never leaves the site

Rahsia · named nodes only

Rahsia Besar

Each classification decides where a request may run, which models may see it, and whether it may leave the site.



Air-gap enforced

Cloud use needs hybrid mode and the person's permission; cloud answers are labelled.



Data loss prevention

IC numbers, account numbers and secrets masked, warned or blocked per route.



Injection screening

Documents, web pages and tool results checked before they reach a model.



Strong sign-in

Argon2id, authenticator codes, SSO, LDAP, SAML and SCIM provisioning.



Signed between sites

Requests between sites are signed, time-limited and usable once.



Tamper-evident audit

A hash-chained log of every request and change, with a Verify chain action.

Security that watches itself

PERISAI's defence, forensics and compliance modules can monitor and report on the S.A.L.T CI platform itself, so the organisation sees the same evidence an auditor would.

LICENCE AND BRANDING



A licence that never locks people out

Each site carries a signed licence, activated online or by an offline file for air-gapped sites. An expired licence never locks people out of their own data.



Two-level white label

Client branding with S.A.L.T CI credited, or full reseller branding with a small "Built on S.A.L.T CI Framework" notice.



13 · DEPLOYMENT & HARDWARE

Runs on whatever you already have

Not tied to any machine, vendor or size. New and older cards, different vendors, GPU and CPU machines can work together in one site.

**Personal & edge**

Notebooks, workstations and rugged machines, fully offline.

**Servers & VMs**

Bare-metal x86 or ARM; VMware, Hyper-V, Proxmox and KVM.

**Sovereign cloud**

Sovereign or private cloud with containers or Kubernetes.

SIZING GUIDE

1–10 PEOPLE

Notebook

One machine, models up to about 8B parameters.

10–100

Department

One server with one or two GPUs, models up to about 32B.

100+

Organisation

Multi-node GPU site plus compute agents; 70B and larger.

1,000+

National

Several linked multi-node sites sharing compute.

Indicative only. Final sizing is confirmed during proof-of-concept load testing.

HARDWARE

HARDWARE	ENGINE	NOTES
NVIDIA GPUs	CUDA	x86 and ARM; one or several cards
AMD GPUs	ROCm or Vulkan	Data-centre and desktop cards
Intel GPUs	Vulkan or SYCL	Discrete and integrated
Older GPUs, any vendor	Vulkan	A second life as compute agents
Apple silicon	Metal	As a site or a compute agent
Any CPU	CPU	Every feature works, more slowly

Install in minutes, upgrade in one step

A Windows installer with a system check, one script for Linux and macOS, a Helm chart, and an offline bundle for sites that never connect. Upgrades take a backup first.



14 · PROVEN & DELIVERED

Proven on client servers, **with the network cut**

Every proof of concept to date ran on-premise with local models, including tests with the internet fully disconnected.

4

Air-gapped proofs of concept across government, higher education and defence

70B

Largest model run fully air-gapped at a client site

14 + 1

Shared MCP servers plus one service worker today, and growing

~600

Models reachable through one S.A.L.T CI gateway, where providers are allowed

**GOVERNMENT****Federal agency**

Sovereign assistant with live government search and a knowledge base, on a LAN-only server.

**HIGHER EDUCATION****Public university**

University deployment with single sign-on for faculties.

**HIGHER EDUCATION****Technical university**

Core platform deployed, MOM Studio rolled out with user training, TERUSAN next.

**DEFENCE****Training centre**

Tested on a notebook with no network connection, on-site in a defence environment.

Proofs of concept were delivered with limited features and 5–10 users each. Transfer-of-technology sessions delivered to universities and agencies.

DELIVERED THROUGH PARTNERS**Authorised partners**

S.A.L.T CI reaches clients through authorised resellers and channel partners across Malaysia, supported by joint meetings, demonstrations and proof-of-concept programmes.

**Technology partner**

An OEM technology partnership with Dell Technologies pairs enterprise hardware with S.A.L.T CI software for joint go-to-market.

HOW A PROOF OF CONCEPT RUNS**1****Choose**

One real process and the people who run it

2**Install**

On the client's own server, offline if required

3**Run**

With a small group of real users

4**Cut the network**

Prove it keeps working with no internet



15 · WHY S.A.L.T CI

Questions worth asking **any AI vendor**

Six questions that separate a sovereign platform from a hosted service with a local front end, and S.A.L.T CI's answers.

QUESTION	S.A.L.T CI ANSWER
Where do our documents and chats live?	On your servers. Models, knowledge and logs never leave the site unless you allow it.
Does it still work with the internet cut?	Yes. Air-gap is a mode of the core, proven at four client sites.
Can we put our own brand on it?	Yes. Client and reseller white label, under S.A.L.T CI's own licence.
Are we locked to one model or vendor?	No. Switch models freely; open foundations are credited openly.
Does it understand local work?	Bahasa Melayu and dialects, halal-aware planning, local payment formats and Malaysian time.
What does each question cost?	No per-token fees on local models: unlimited queries at the cost of your own hardware.

START

One process

Bring one real process and one server.

PROVE

Cut the network

We run it there, then disconnect the internet.

GROW

Same platform

Add applications and sites without changing product.



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PEMANGKIN
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