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AINNA NeuralOps

AI | AI & Automation Excellence

AINNA Need Enterprise | **Melaka, Malaysia**

Turning business instructions into controlled, reusable workflows

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Problem Statement

Why this matters



- SMEs receive bank statements in many different formats.
- Manual extraction, classification and reconciliation are time-consuming.
- Sending every statement through full AI reasoning repeats work and increases cost.
- Teams need accuracy, control, auditability and faster reporting.

Type of AI & Automation Applied

Artificial Intelligence

Agentic AI interprets instructions in natural language and supports tasks requiring contextual judgement.

Intelligent Automation

Smart Routing coordinates parsers, business rules, workflow services and selective AI.

Human Approval & Validation

Consequential actions remain governed by validation and human review.

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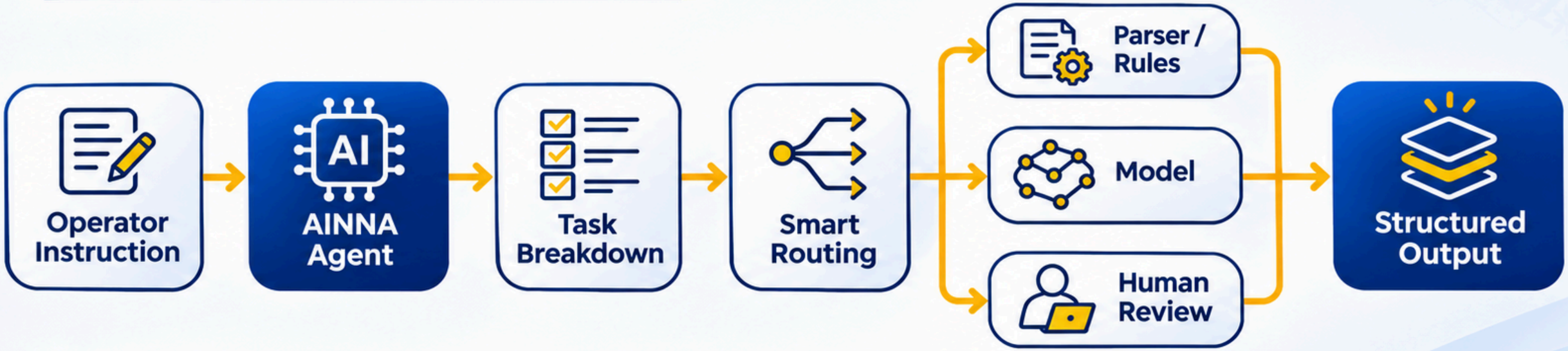
How AINNA NeuralOps Works

AI & Automation Excellence



The system routes each task to the simplest method that meets accuracy and control requirements.

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Use Case: SME Financial Statement Automation



1. Group statements by bank and format
2. Extract transactions using parsers
3. Classify and validate entries
4. Reconcile totals and check consistency
5. Produce structured output for reporting
6. Escalate unclear entries or unsupported formats for review

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Smart Routing & Human Control

Item Type	Routing Approach	Outcome
Known formats	Use parser or business rules	Fast, repeatable, lower cost
Ambiguous items	Use selective AI	Interpretation when needed
Consequential exceptions	Human review	Validation before reliance

Use AI where it adds value, not everywhere by default.

Detached Systems

From workflow design to reusable execution

- Stable repeatable steps can be turned into standalone software services.
- These services run without recurring model calls for every case.
- This improves consistency, control and operational cost efficiency.
- Models are reserved for exceptions and interpretation-heavy tasks.



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Measured Outcome

Internal benchmark — July 2026

86.67% | fewer modelled tokens

7.5 million → 1.0 million

6.5 million tokens avoided in the modelled benchmark

Scenario: 100 SME bank statement sets

Calculation: (7.5 million - 1.0 million) / 7.5 million x 100 = 86.67%

Why It Is Innovative



Reusable execution

Reusable execution — Use an agent to design or refine a workflow, then turn stable steps into software that runs without recurring model calls.

Selective AI and verifiable outputs

Rules handle repeatable checks, while models support interpretation when needed.

Access for domain experts

Operators can describe a process in everyday language and keep approval with the responsible person.

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Sustainability & Scalability



Expand by workflow —
Add a parser or connector for each new bank format or data source while reusing routing and validation logic.



Control recurring compute —
Run stable high-volume tasks through deterministic services and reserve model capacity for exceptions.



Validate before wider rollout —
Measure token use, processing time, reconciliation accuracy and review rates before scaling.

The same pattern can extend to inventory exceptions, procurement and reporting.

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Technology Readiness & Credibility

Evidence of Maturity, Assessment & Organisational Record



- *MOSTI MCY Series 3 results notices* dated **17 September 2026** record ***TRL 9.***
- Two assessed entries: ***AINNA NeuralOps System*** and ***Financial Statements for Street SMEs: The Missing Infrastructure.***
- **AINNA Need Enterprise** is listed as the assessed organisation.



Production metrics pending validation: *the 86.67% result is from a modelled benchmark and production savings require validation using run records and matched outputs.*

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Conclusion

AINNA NeuralOps

- Lower compute usage through selective AI and reusable services
- Greater control through validation, rules and human review
- Faster, more structured financial statement processing
- Scalable workflow design that can expand into inventory, procurement and reporting

AINNA NeuralOps turns business instructions into controlled, reusable workflows.

Thank You | Q&A