RAYEN DIGITAL · MANTIS AI HARNESS™

AI agents built from your experts' knowledge, running on your site.

Agents that read your live plant data, answer with sources, and never act without a person's approval. On site, air-gap ready, any LLM, no code.

Built with Claude. Mantis AI Harness was written with Claude Code, Anthropic's agentic coding tool, and runs Anthropic's Claude models alongside other providers wherever customers allow cloud models.

How it works

Expert manifests
Each agent is a declarative manifest built with your experts in Manifest Genesis. Versioned, reviewable, reusable across sites.

Open protocols
Plant data and services through the Model Context Protocol (MCP): OPC UA servers, historians, data loggers. Agents consult each other (A2A).

Autonomous reasoning
No scripted flows. Agents plan their own steps, check results and raise alerts on the signals you choose.

Model routing
Cloud models where you allow them, local models for air-gapped sites. The model is recorded for every call.

Simulation
Digital twins and power-flow studies to test a change before it reaches the process.

Governance
Guardrails in manifests, roles, encrypted vault, audit log, usage metering, provenance on every result.

For your business

- Expert knowledge stays when people retire or move on.
- Faster, evidence-backed answers on every shift.
- Your data stays on site; you choose the models.
- Start with one pilot, reuse manifests at the next site.
- Every decision traceable for safety and compliance.

For your engineers

- Describe an agent instead of coding it.
- Connect a system once through MCP; every agent can use it.
- Numbers computed in code; answers point to their source.
- Less searching, more time improving the process.
- The agent proposes; the engineer decides.

The pilot

PHASE 0 · 3–8 WEEKS
Assess and prepare
Security review, network access, read-only data, documents, agent built with your experts.

DAYS 1–7
Train and validate
Users learn the interface and test agreed scenarios.

DAYS 8–25
Use it
Real questions on real shifts, against a baseline.

DAYS 26–30
Decide
Results against success criteria, and next steps.

The 30 days start only when Phase 0 is complete. Afterwards: own the appliance with an annual license, or take Mantis as a managed service.

Start a conversation. A confidential, no-obligation call about your process. NDA on request.

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