Project Chronos

Insight Refined, Innovation Amplified

LLM-Driven Symbolic Project Summarization and Overlap Detection

Confidential – For Internal Review

October 2, 2025

Executive Summary

Large enterprises face a costly hidden challenge: project redundancy. Across divisions managing tens of thousands of initiatives, overlapping work wastes millions annually, slows innovation, and reduces ROI on talent and infrastructure.

Project Chronos leverages **Chrona**, our enterprise AI, to generate symbolic, reusable project descriptors, detect overlaps, and surface actionable internal and open-source alternatives. A 3-month pilot is proposed, with measurable KPIs in technical accuracy, business savings, and adoption.

Expected ROI: Tens of millions in avoided redundant spend annually, with pilot costs of only $1.5M.

1 Problem Statement

- Each division maintains 20k–30k projects; only 10% are active.

- Teams operate in silos, unaware of overlapping initiatives.

- Some projects unknowingly duplicate functionality already available in open-source.

- No automated mechanism exists to identify or prevent redundancy.

- Redundant R&D efforts increase costs, delay delivery, and waste talent.

2 Impact

- Redundant spending estimated in **tens to hundreds of millions annually**.

- Project managers waste time exploring domains already solved internally.

- Opportunity costs: slower innovation, delayed product launches.
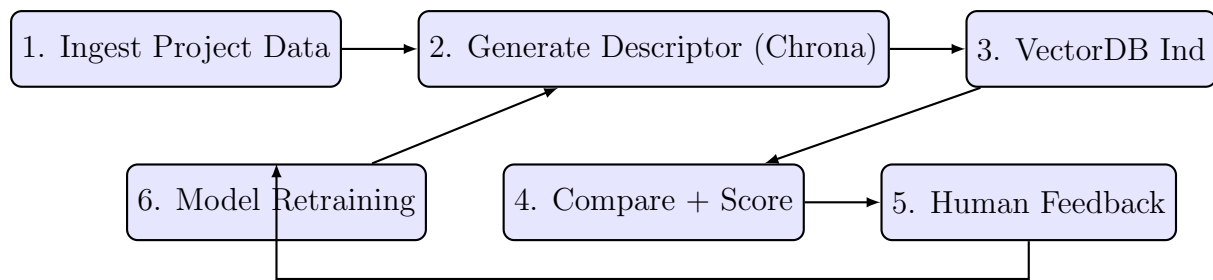
3 Proposed Solution

Deploy an enterprise-grade LLM (**Chrona**) to:

- Ingest project abstracts, wiki pages, and metadata.

- Generate symbolic project descriptors capturing core intent, inputs, outputs, and techniques.

- Index descriptors in a vector + symbolic database.

- Compare new projects against existing internal and open-source initiatives.

- Assign overlap scores (0–10) with rationale.

- Surface top-3 internal and top-3 open-source alternatives for review.

Example Symbolic Descriptor: *"ML-based anomaly detection and auto-remediation for Kubernetes telemetry"*

4 Technical Architecture

4.1 Pipeline Workflow Diagram

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1. Ingest Project Data → 2. Generate Descriptor (Chrona) → 3. VectorDB Ind

6. Model Retraining      4. Compare + Score → 5. Human Feedback
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5 Pilot Project Plan

5.1 Resources

- 8 FTEs (engineers, analysts, PM)

- Infrastructure budget: $1.2–1.5M

6 Governance, Compliance, and Change Management

6.1 Governance Framework

- Transparency: All outputs auditable and explainable.

- Accountability: Human validation remains final.

- Control: Oversight board for model retraining, data ingestion, and external repository access.

6.2 Compliance & IP Protection

- Private deployment; no third-party API exposure.

- Projects classified by sensitivity (Public, Internal, Confidential, Restricted).

- Legal review of open-source license compliance.

6.3 Change Management

- Executive sponsorship: CIO/CTO.

- Divisional ambassadors to drive adoption.

- Training for PMs to interpret descriptors and overlap scores.

- Incentives for divisions demonstrating reuse and efficiency.

7 KPIs

7.1 Technical

- Descriptor consistency $\geq 85\%$
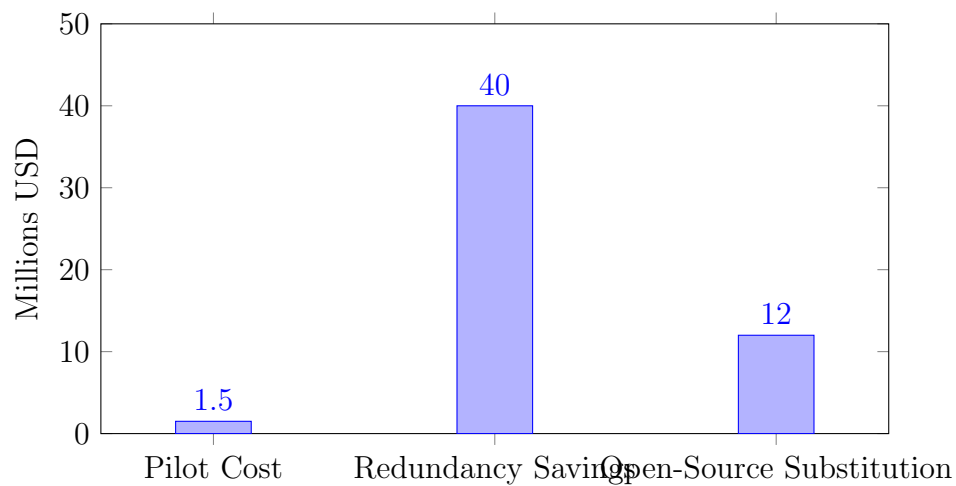- Precision $\geq 75\%$, Recall $\geq 70\%$

7.2 Business

- 10–20% of projects flagged as redundant
- ¿5% substitution with open-source
- $5M+ in identified cost savings

7.3 Adoption

- Reviewer acceptance $\geq 70\%$
- Division adoption $\geq 80\%$

8 Business Case & ROI

8.1 ROI Bar Chart

8.2 Strategic Benefits

- Reduced redundancy and faster innovation cycles.
- Optimized R&D spend and better resource allocation.
- Enhanced knowledge visibility across divisions.

8.3 ROI Estimate

- Avoided redundant spend: $40M annually

- Open-source substitution: $10–15M

- Pilot cost: $1.5M

- Estimated ROI: >20x within Year 1

9 Next Steps

1. Board approval for 3-month pilot funding

2. Select pilot divisions

3. Establish governance board

4. Launch Phase 1: Taxonomy & ingestion pipeline

10 Conclusion

Project Chronos: Insight Refined, Innovation Amplified provides a strategic, high-ROI solution to enterprise project redundancy. Leveraging **Chrona**, the enterprise can save tens of millions annually, accelerate innovation, and transform how knowledge is reused across divisions.