Stage-wise GenAl Use Cases with PM ROI Perspective

Stage	Top GenAl Use Cases	PM ROI Perspective
LegacySystem	 Al input validation Auto-document legacy code Conversational debugging Predictive maintenance Semantic mapping 	 Reduced support costs Improved developer productivity Decreased downtime Faster modernization
Legacy Publisher → Kafk	 Real-time anomaly detection Metadata enrichment Data deduplication Synthetic test data Policy-aware publishing 	 Higher system reliability Faster audits & compliance Cost savings from deduplication Faster time-to-market
Kafka → DB	 Partition optimization Semantic query assistant Retention tuning Data drift detection Explainable alerts 	 Operational cost optimization Improved developer adoption Regulatory risk reduction Faster MTTR
Legacy Consumer → Mod	API translator Auto-generated API contracts Explainable mapping Semantic error resolution Erri ABI case generation	 Accelerates API modernization Reduces dependency on SMEs Fewer failed transactions Stronger QA coverage
TargetPublisher → Kafka	Quality scoring Compression recommendations Semantic search Data provenance ✓ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑ ☑	 Lower storage costs Improved analyst productivity Audit-ready lineage Capacity planning cost savings
TargetConsumer → Dowr	Compliance guardrails Al-based prioritization Smart retry logic Personalized insights Streadit Servactives	 Reduced compliance penalties Higher service availability Increased revenue from personalization Trust-building with regulators
LegacySyncBackAPI → L	Explainable sync reports Root cause analysis Change impact analysis Schema harmonization egaxyndβliance summaries	 Reduced manual audit efforts Faster root cause resolution Lower integration costs Risk mitigation