



Milky Way

The **Autonomous Intelligence**
Layer for Enterprises ➔

Today's enterprises require intelligent systems capable of proactive reasoning, orchestrating complex workflows, and delivering instant, actionable insights.

Milky Way is a constellation of specialized agents that simulates and scales the work of expert analysts. Milky Way helps orchestrate a decision intelligence ecosystem that don't just assist, but learn, reason, and evolve with the business function they support.

Why **Milky Way**?



Rigorous Benchmarking

Proven accuracy through industry-leading benchmarks such as Dabstep, BirdSQL, multi-turn reasoning, and custom evaluations.



Enterprise Integration

Composable, enterprise-grade architecture ensuring seamless integration, robust governance, and scalability across enterprise ecosystems.

Strategic Imperatives **Addressed**



Accelerated Insights: Deliver real-time intelligence, compressing analysis cycles from weeks to minutes.



Scalable Agility: Quickly deploy and adjust agents to meet changing business demands.



Amplified Productivity: Automated hypothesis generation, validation, and streamlined insight delivery.



Domain-Centric IP: Codified workflows that can scale and be monetized across enterprise applications.



Contextual Engineering: Always-on agent collaboration ensures uninterrupted analysis and proactive actions.



Adaptive Learning: Continuous improvement through reinforcement learning and feedback loops.

Core Capabilities

 Multi-Agent Reasoning: Advanced decomposition of problems, root cause analysis, and rigorous hypothesis testing.	 Secure Deployment: Containerized deployment ensures data isolation, policy compliance, and robust security.
 Composable Architecture: Modular design for flexible customization and plug-and-play integration.	 Semantic Integration: Effortlessly translates natural language into actionable analytics, seamlessly connecting enterprise data layers and systems.
 Auditability: Full audit trails, detailed data lineage, and intuitive visibility for human oversight.	 Personalization & Learning: Adaptive reinforcement learning, long-term memory, and persona-specific insights.

Specialized Agents

 Customer Analyst: Diagnose churn, personalized interactions, identify journey frictions.
 Marketing Analyst: Identify untapped opportunities, optimize campaigns, and refine audience analytics.
 Supply Chain Analyst: Anticipate disruptions, perform root cause analysis, manage inventory and procurement proactively.
 Shopper Insights Analyst: Enhance customer understanding, market research effectiveness, and targeted promotional strategies.
 Product Analyst: Optimize life cycle management and customer journey analytics through predictive insights.

Technical Specialized Agents



Query Classifier, Code Generation, Query Processor, ReasonX, Clarification Agent, Refiner Agent, Hypothesis Generator, SQL Agent, Reporting Agent, among others.

Milky Way integrates extensive domain and industry expertise from Tredence, continuously tuned and rigorously benchmarked, delivering scalable, autonomous enterprise decision intelligence.

Crowned by Analysts, Trusted by Enterprises.

Top industry analysts recognize Tredence’s innovative impact:



#1 Leader: The Forrester Wave™: Customer Analytics Services Providers, Q2 2025



Leader: ISG Provider Lens™ Assessment (Generative AI Strategy, & Data Science 2024)



Leader: Everest Peak Matrix Data and AI Services Specialist, 2025

Visionary

Gartner Emerging Market Quadrant for GenAI Consulting and Implementation Services



Reinvent enterprise workflow with Milky Way

Milky Way co-pilots empower businesses to break operational silos, manage risk proactively, enhance customer experiences, and capitalize on new revenue streams through sophisticated autonomous intelligence.

Milky Way vs. Standard GenAI Bots: At-a-Glance

Aspect	Standard GenAI Bot (Prompt based GenAI bots)	Milky Way (The Autonomous Intelligence Layer for Enterprises)
Core Purpose	General-purpose AI for text generation, conversation, and creative tasks. Not purpose built for enterprise decision making or workflow orchestration.	Enterprise AI co-pilot for customer, marketing, supply chain, and finance, autonomously reasoning over data to drive decisions and workflows.
System Design	Monolithic LLM backend with no agent based orchestration or decision workflow chaining.	Compound AI system with 20+ persona-based copilots and 50+ embedded specialist agents (Text to SQL, EDA, Reporting, Data Quality, Analyst Brain, etc.). Uses reasoning first, multi-agent architecture.
Reasoning Capability	Mostly single turn or prompt chained reasoning. No built-in capability for analytic traceability or stepwise logic validation.	Multi-turn, hypothesis driven reasoning conducts deep research on enterprise data, semantic chaining, and analytic planning models. Simulates diagnostic & descriptive analytics workflows across multiple steps.



Embedded Intelligence	General corpus training. No embedded business frameworks or enterprise intelligence.	Fine tuned on 10+ years of Tredence's proprietary domain logic and frameworks. Contains embedded causal models, guided hypotheses, and EDA patterns across verticals.
Interactivity	Primarily conversational with limited interactivity or dynamic responses. Cannot generate guided workflows or visualizations natively.	Clickable charts, insight summaries, SQL audit trails, session history, and context aware recommendations. Dynamic follow up questioning and response refinement.
Data Integration	Connects to enterprise data platforms, interprets semantic layers, and translates natural language into SQL and BI-ready outputs.	Connects with enterprise data platforms, supports semantic layer interaction, and translates natural language to SQL/BI artifacts.
Privacy & Deployment	Works well on limited data & smaller context windows.	Containerized, privately hosted (cloud or on-prem), and secure by design. Supports multiple schemas and defined semantic layers.
User Modeling	No persona modeling or user preference memory across sessions. One-size fits all behavior.	Persona aware copilots adapt to roles (e.g., supply chain analyst vs. CMO), long-term memory, preferences, and interaction history.
Extensibility	Closed ended with limited plugin extensibility. Finetuning is nontrivial and lacks agent orchestration.	Open architecture: new agents can be added (e.g., forecasting, data prep), composable pipelines, RLHF enabled improvement loops.
Time to Value	Requires extensive customization and prompt layers to deliver domain value.	Pre-loaded with vertical specific use cases (e.g., churn insights, campaign ROI, stock out diagnosis) that reduce onboarding time.
Visualization & Reporting	Can generate chart code & basic visuals with explicit human instructions.	Native charting, dashboard integration, text to visual, smart narratives, and drill down workflows supported.

Ready to transform your enterprise decisions?

Schedule a 60 minute discovery session today and experience the future of autonomous, agentic enterprise intelligence.



Want to know more about us?

Please visit: www.tredence.com

Follow us at: [in](#) [X](#) [v](#) [f](#)

© 2025 Tredence Inc. All Rights Reserved.