**Products & Services Portfolio – Sentience Dynamics Inc.**

**PRODUCTS**

**1. Prisma Core™**

**Type:** Modular Agentic AI Platform  
**Overview:**  
Prisma Core is the foundational platform powering all of Sentience Dynamics’ agent systems. It supports the development and deployment of autonomous agents capable of self-directed learning, long-term reasoning, and contextual decision-making.

**Key Features:**

* Modular cognitive architecture with plug-and-play reasoning modules
* Goal formulation, planning, and memory subsystems
* Built-in Ethics Engine™ and alignment layer
* Interface APIs for robotics, finance, logistics, and enterprise systems
* Transparent audit logs and decision traces

**Use Cases:**

* Autonomous scientific research agents
* Self-improving logistics controllers
* Strategic corporate planning assistants
* Cross-domain learning agents for enterprise innovation

**2. SentientOps™ Suite**

**Type:** Autonomous Operations Toolkit  
**Overview:**  
A comprehensive toolset for managing swarms of agentic AI in dynamic real-world environments such as smart cities, industrial automation, and mission-critical infrastructure.

**Key Features:**

* Real-time multi-agent orchestration
* Context-aware goal reprioritization
* Self-diagnostic feedback loops
* Emergency override protocols and explainability dashboards

**Use Cases:**

* Autonomous infrastructure management (power grids, water systems)
* Fleet optimization for autonomous vehicles
* Large-scale urban planning simulations
* Remote operations in hazardous zones (e.g., oil rigs, mines)

**3. EchoAgent™ SDK**

**Type:** Agent Development Toolkit  
**Overview:**  
A developer suite for building and testing customized agentic AI systems in various domains, from education to defense to creative industries.

**Key Features:**

* Cognitive template library (tactical, diplomatic, research-based agents)
* Simulation environments for rapid prototyping
* Value-alignment testing harness
* Synthetic memory and reflective reasoning capabilities

**Use Cases:**

* Custom digital co-pilots for professionals
* Interactive educational agents
* Policy simulation advisors
* Game and narrative AI agents

**4. EthosGuard™**

**Type:** AI Alignment & Ethics Layer (Available as API & SDK)  
**Overview:**  
A plug-in ethics module for use in both internal and third-party agentic systems. It functions as a real-time normative constraint system that evaluates possible agent actions against ethical, legal, and contextual norms.

**Key Features:**

* Real-time value conflict resolution
* Ethical rulebooks per region/sector
* Dynamic learning of organization-specific moral principles
* Counterfactual simulations for outcome evaluation

**Use Cases:**

* AI compliance in healthcare and finance
* Military and security AI oversight
* Regulatory-approved autonomous vehicle decision modules
* Ethically aligned creative agents (e.g., in media/advertising)

**5. VERA™ (Value Exploration & Reflection Agent)**

**Type:** Research-Grade Agent Assistant  
**Overview:**  
VERA is a high-context, high-awareness agent used in research institutions for collaborative hypothesis generation, theory testing, and meta-level analysis.

**Key Features:**

* Reflective reasoning engine with meta-cognition
* Temporal attention and long-term goal tracking
* Multimodal knowledge synthesis (text, code, imagery, simulation)
* Supports "philosophical scaffolding" and model critique

**Use Cases:**

* Scientific research collaboration
* Think tanks and strategic forecasting
* Human-AI co-authoring of white papers and scientific articles
* Ethical scenario modeling and futurism

**SERVICES**

**1. Custom Agent Development**

**Description:**  
Sentience Dynamics provides tailored agentic AI systems for enterprise clients, NGOs, and governments. Solutions are co-designed with domain experts to ensure optimal alignment and efficiency.

**Includes:**

* End-to-end agent design and integration
* Organizational alignment modeling
* Post-deployment support and ethics compliance audits

**2. Strategic AI Consulting & Policy Design**

**Description:**  
Expert consultation for public and private sector leaders navigating AI regulation, deployment, and ethics in high-stakes environments.

**Includes:**

* Agent readiness assessments
* Policy co-design and compliance planning
* Regulatory sandbox trials
* National/municipal AI roadmap support

**3. AI Safety & Alignment Audits**

**Description:**  
Third-party auditing and certification service for existing agentic systems, ensuring transparency, alignment, and adherence to local or international AI regulations.

**Includes:**

* Audit reports on agency and autonomy parameters
* Ethics Engine plug-in evaluations
* Human oversight model assessments
* Red-teaming and stress testing of agent behavior

**4. Living Labs Deployment Program**

**Description:**  
Hands-on agent deployment in live environments (e.g., cities, research labs, educational institutions) under controlled real-world conditions.

**Includes:**

* Environment simulation and calibration
* Community impact evaluations
* Stakeholder training and trust modeling
* Dynamic feedback loops and policy shaping

**5. Training & Certification Programs**

**Description:**  
Education programs for developers, executives, and policymakers on the design, risks, and regulation of Agentic AI.

**Programs Offered:**

* Agent Architect Certification (AAC)
* Ethics in Agent Design (EAD)
* Government & Governance of Agentic AI (GGAI)
* AI Literacy Bootcamps for Non-Tech Sectors