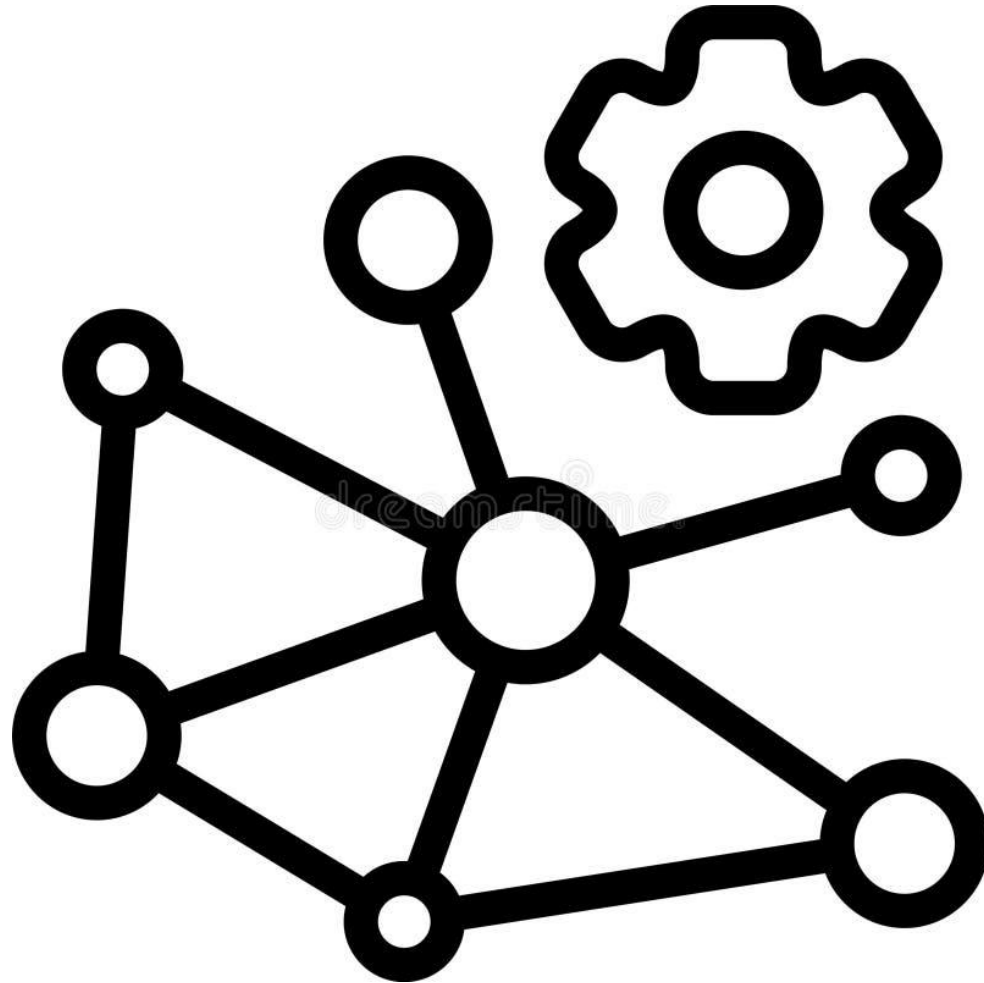


Intelligence infrastructure for living, adaptable, context-aware enterprise operating systems (EOS).



- 1 Why a semanticIQ Operating System
- 2 Operating System Architecture
- 3 SemanticIQ Platform Overview

How enterprises operate today

Multiple, static, legacy applications:

- Data silos
- Inability to adapt as processes change
- Poor process visibility
- High software costs and poor ROI
- Ineffective AI transformation

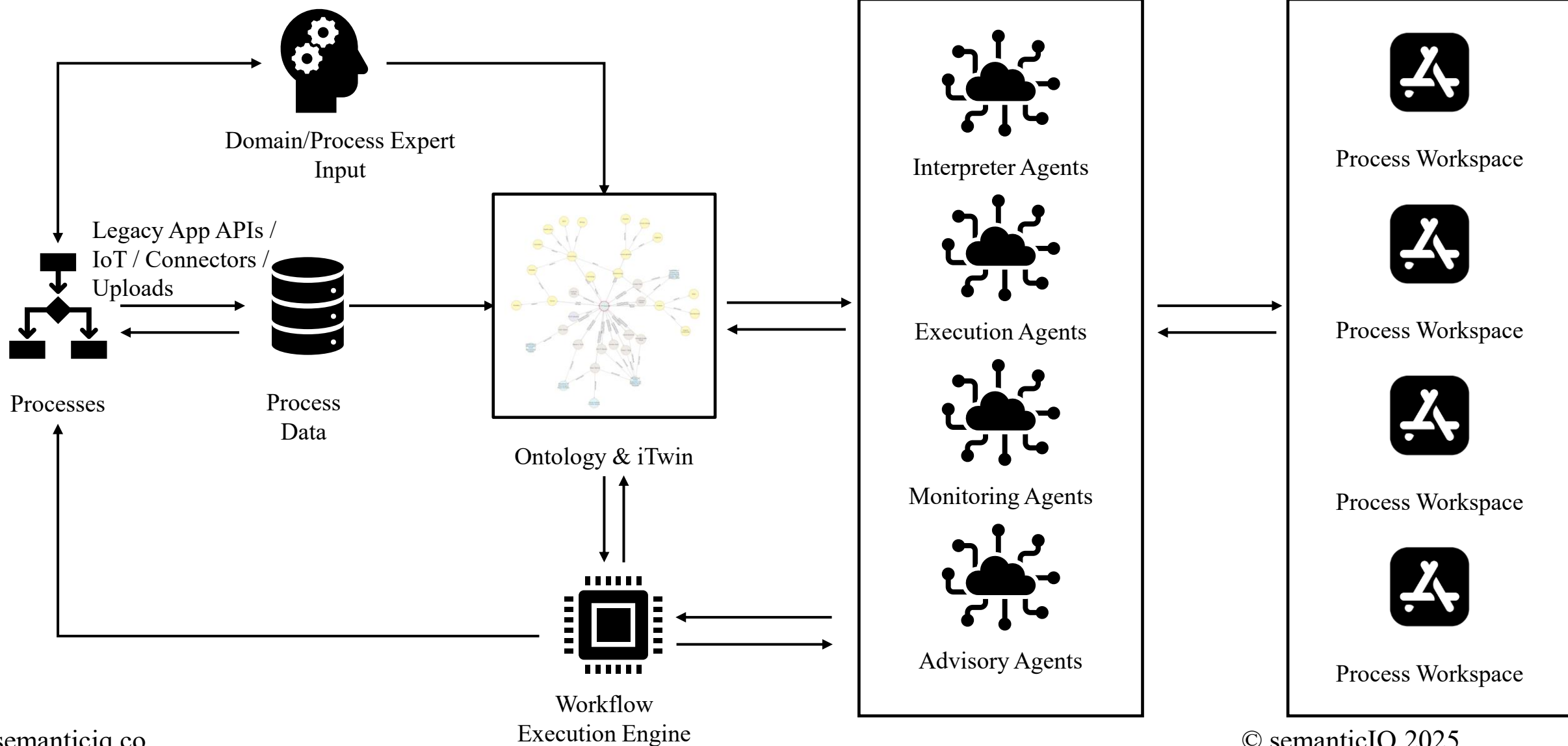
How we change this

Empower enterprises to create unified, ontology-driven operating systems:

- Integrate process data seamlessly
- Evolve as processes change – flexibility
- Single source of truth
- Reduce software costs
- Better context for AI systems

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Operating System Architecture



Process Workspaces

- Modular entry points into the enterprise operating system, each tailored to a business domain or role (Procurement, Finance, HR, etc.), and presented like an “app store” of process spaces
- Provide user interfaces e.g. prompt windows and dynamic surfaces (on-demand forms, dashboard, workflow views etc)

Agentic Layer

Interprets user intent/request and passes requests as instructions to the execution engine:

- Interpreter Agents – map user request (natural language) to ontology concepts
- Execution Agents – decide workflows to trigger and orchestrate
- Monitoring Agents – check for compliance and detect anomalies
- Advisory Agents – learn and suggest optimizations

Ontology & iTwin

- Living enterprise process model or semantic backbone
- All workspaces, agents and the execution engine interact with the same model, eliminating fragmentation and data silos
- Changes to processes only require updates to the model and creation of a new workspace (in the case of new processes) – advisory agents can automate this process, with human in the loop approvals

Workflow Execution Engine

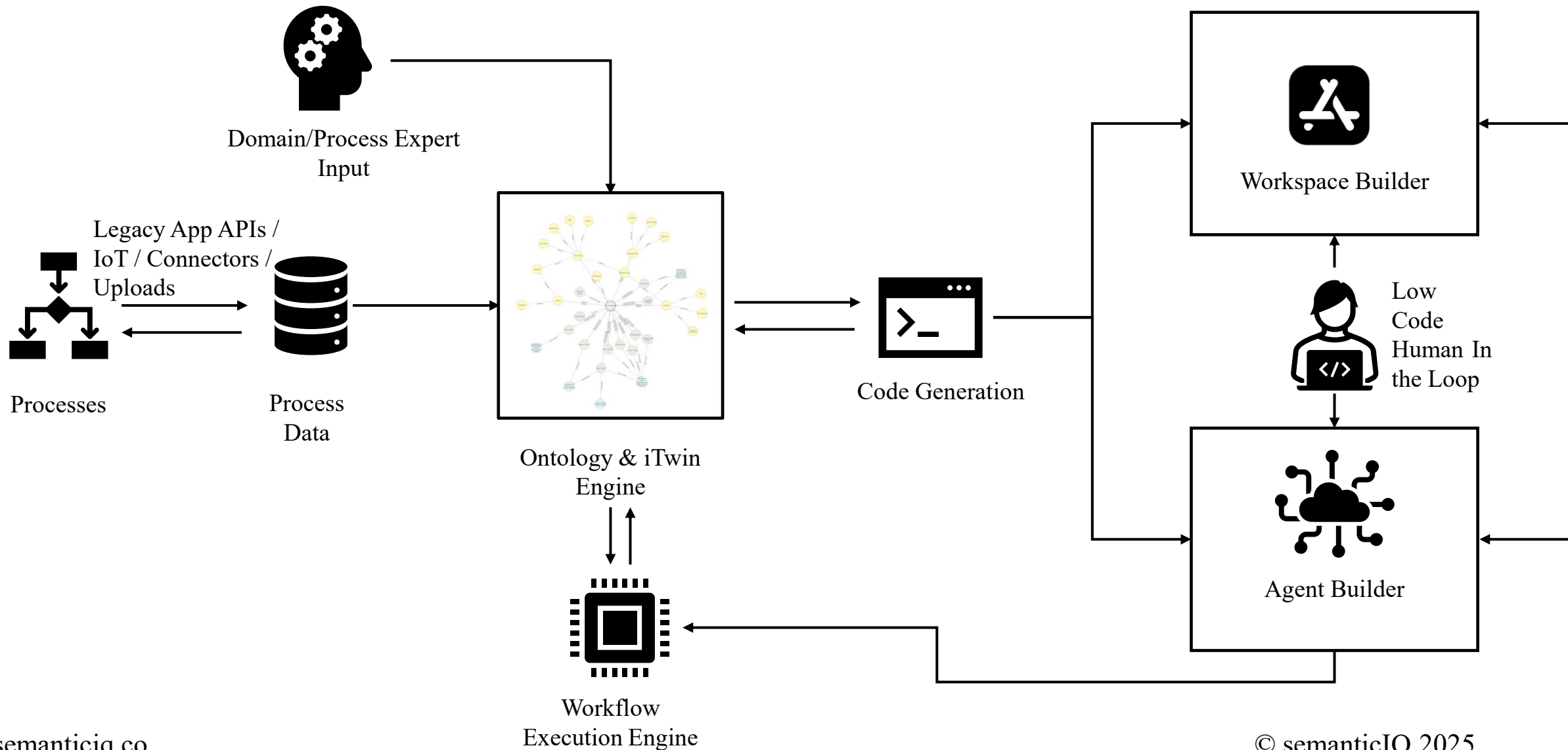
Runs workflows, based on user requests interpreted by execution agents

3

semanticIQ Platform Overview



semanticIQ



Ontology & iTwin Engine	Creates and maintains the living enterprise process model or semantic backbone
Code Generator	AI code generation for both Agent Builder and Workspace Builder
Workspace Builder	Creates and deploys user-defined workspaces, each tailored to a business domain or process (Procurement, Finance, HR, etc.)
Agent Builder	Creates and deploys Interpreter, Execution, Monitoring and Advisory Agents for unique processes
Workflow Execution Engine	Runs workflows, based on user requests interpreted by execution agents

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