Progress®

Progress® OpenEdge® Platform in an Intelligence-First World

What Must Stay True, What Must Evolve

Drew Wanczowski

Senior Principal Solutions Engineer

PUG Challenge 2026

Who We Build For in the Intelligence-First Era

The intelligence-first era puts a different problem in front of each of them.

REAL-TIME REPORTING

The Operations Leader

Decisions are made on yesterday's numbers because reporting still waits on the nightly batch.

DEEP ANALYTICS

The Data & Analytics Lead

Deeper questions mean copying data out first, so analysis is slow, stale, and hard to govern.

AI-ASSISTED WORK

The Application Architect

AI needs contextual, governed data the application can't expose today - and rewriting it isn't an option.

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The Enduring Value of OpenEdge Platform

- Transactional integrity is non-negotiable
- Predictable behavior and stable business logic are essential for mission-critical systems
- The OpenEdge platform continues to serve as the system of record for core business data
- Modernization should protect these strengths rather than disrupt them

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Reliability Alone Is No Longer Enough

What the System of Record Delivers

- Trusted transactions, stable business logic and predictable operations
- Data recorded accurately at the moment business happens

What Enterprises Now Expect:

- Dashboards and analytics from current operational data
- Search across records, documents, metadata and relationships
- Governed, high-quality, contextual data for AI experiences
- Ecosystems spanning event streams, APIs, documents and third-party systems

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I’m Going to Buy an Apple

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The Semantic Layer in One Picture

Trusted context for AI, Analytics and Operations with answers you can explain and trust.

Semantic Layer

Records gain meaning from documents, metadata, events and relationships - one governed, searchable business vocabulary.

Progress Data Platform Studio

Unstructured Data
Text Documents, Audio, Video, Images, etc.

Operational Core: Relational & Structured Data
OpenEdge , RDBMS, Graph Data

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Batch Reporting to Contextual Insight

Batch Reporting Today

- Many OpenEdge users still rely only on batch-driven reporting patterns
- Overnight cycles delay decisions and create duplicate data silos
- Reporting load competes with production transactions
- Lack of context may make things confusing

Contextual Insight

- Records gain business meaning: documents, relationships and events, not just codes and numbers
- Users see the story behind a transaction, so answers arrive with context attached
- Timely, contextual insight without re-architecting the core application

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Progress Data Platform Turns OpenEdge Data into Intelligence

- A governed layer for integrating, enriching, indexing and operationalizing data
- Increases the value of existing operational data instead of replacing core systems
- Supports better decision-making, analytics, search, governance and AI-ready use cases
- Complements the OpenEdge system of record as an analytical, search and semantic layer

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Progress Is Built For This Moment

For decades, Progress has helped organizations:

CONNECT → CREATE → CONSUME


Metadata


Enterprise Data

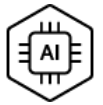

ERP Data


Application Data


Mainframe


Data Streams

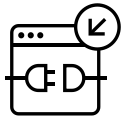
- Agentic & Semantic AI
- Uniform Security
- Governed Data Model
- Verified Reference Data & Metadata
- Semantic Analysis & Enrichment
- Trusted Analytics & Operational Intelligence
- Organized Business Rules Management



AI Applications & Workflow


Transactional Apps


Exploration & Visualization


Data Services & APIs


Analytics Access


Downstream Feeds

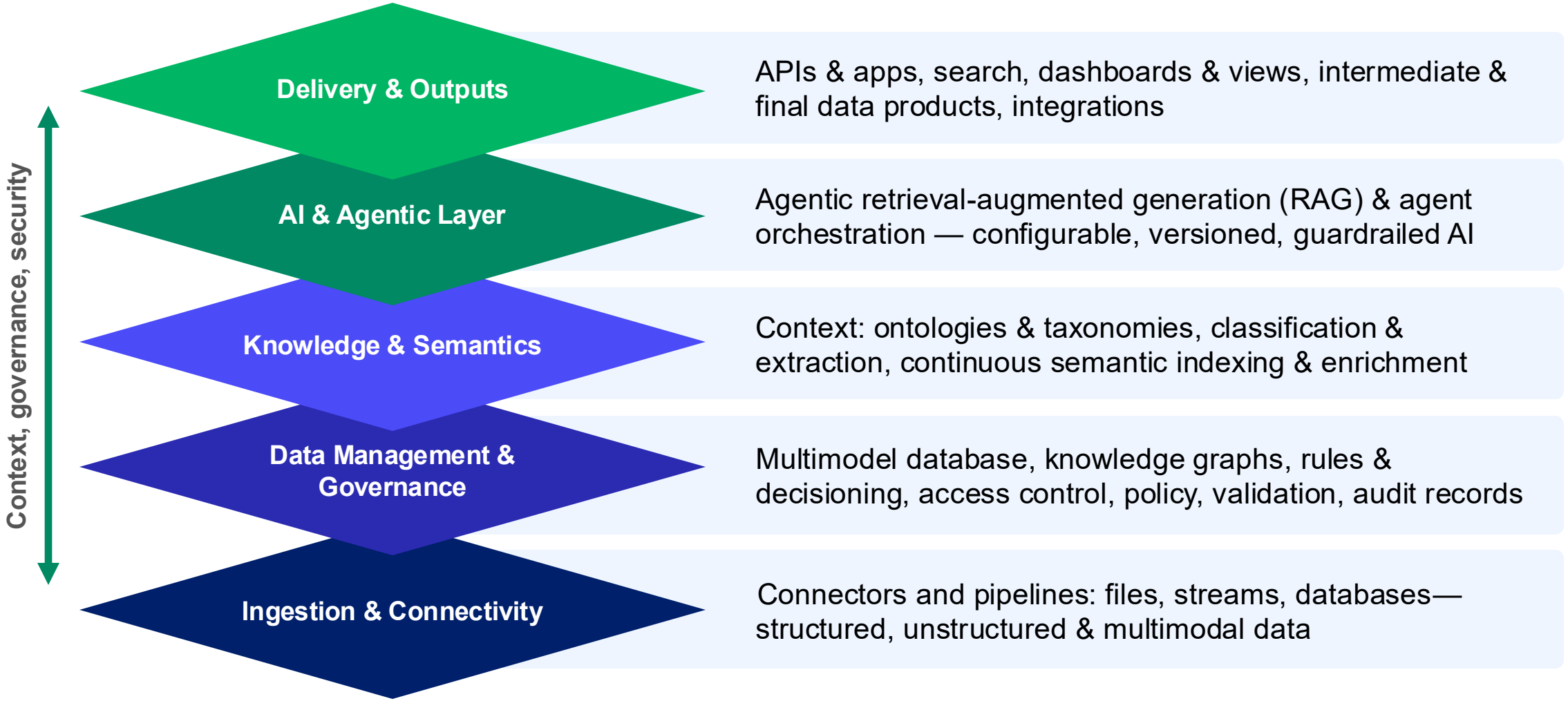
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Signature of An Enterprise Intelligence Platform

- Human + Agent Collaboration
- AI Embedded in Architecture
- Trusted, Governed Context and Data
- Controlled Autonomy
- Continuous Intelligence to Action
- Open to Composable Ecosystems
- Scalable from Department to Enterprise

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Enterprise Intelligence Architecture: Our View



APIs & apps, search, dashboards & views, intermediate & final data products, integrations

Agentic retrieval-augmented generation (RAG) & agent orchestration — configurable, versioned, guardrailed AI

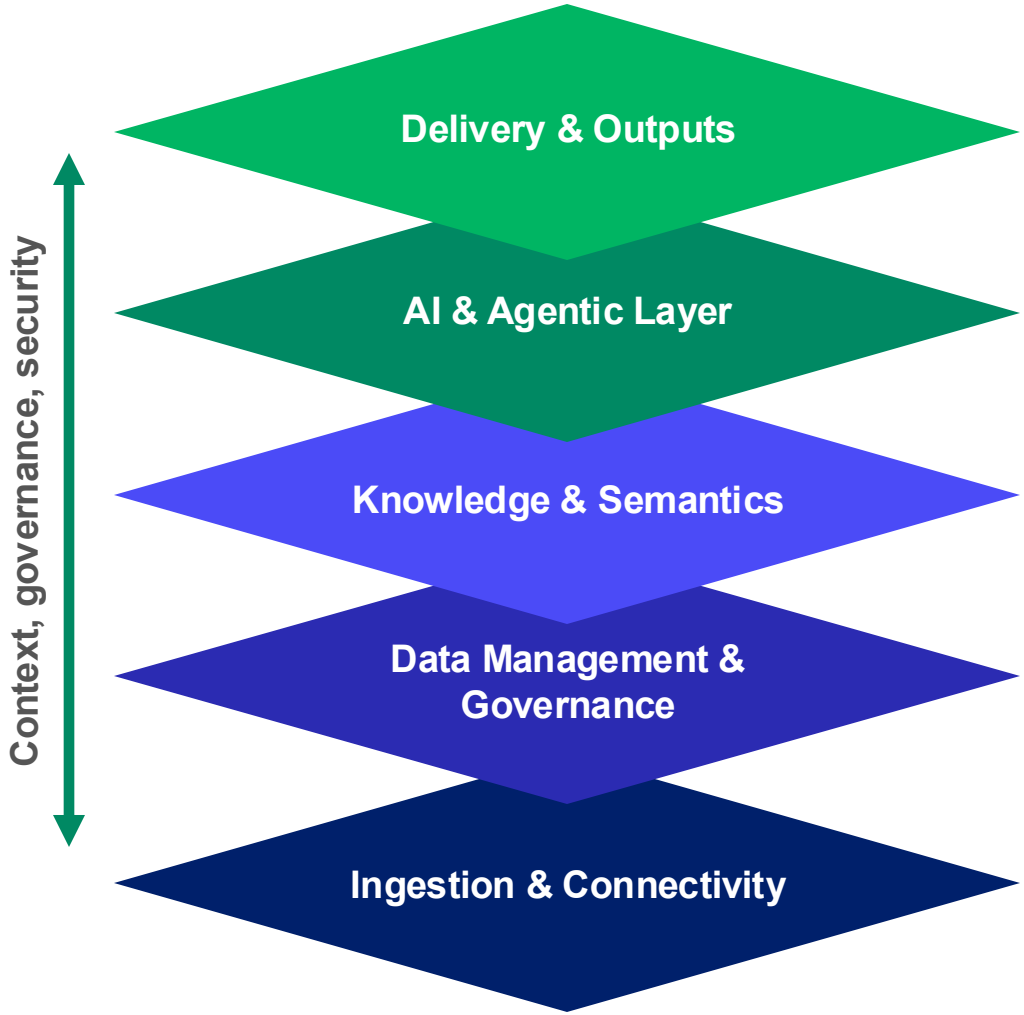
Context: ontologies & taxonomies, classification & extraction, continuous semantic indexing & enrichment

Multimodel database, knowledge graphs, rules & decisioning, access control, policy, validation, audit records

Connectors and pipelines: files, streams, databases— structured, unstructured & multimodal data

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Capabilities Behind Progress Data Platform



Progress Agentic RAG

Progress Corticon

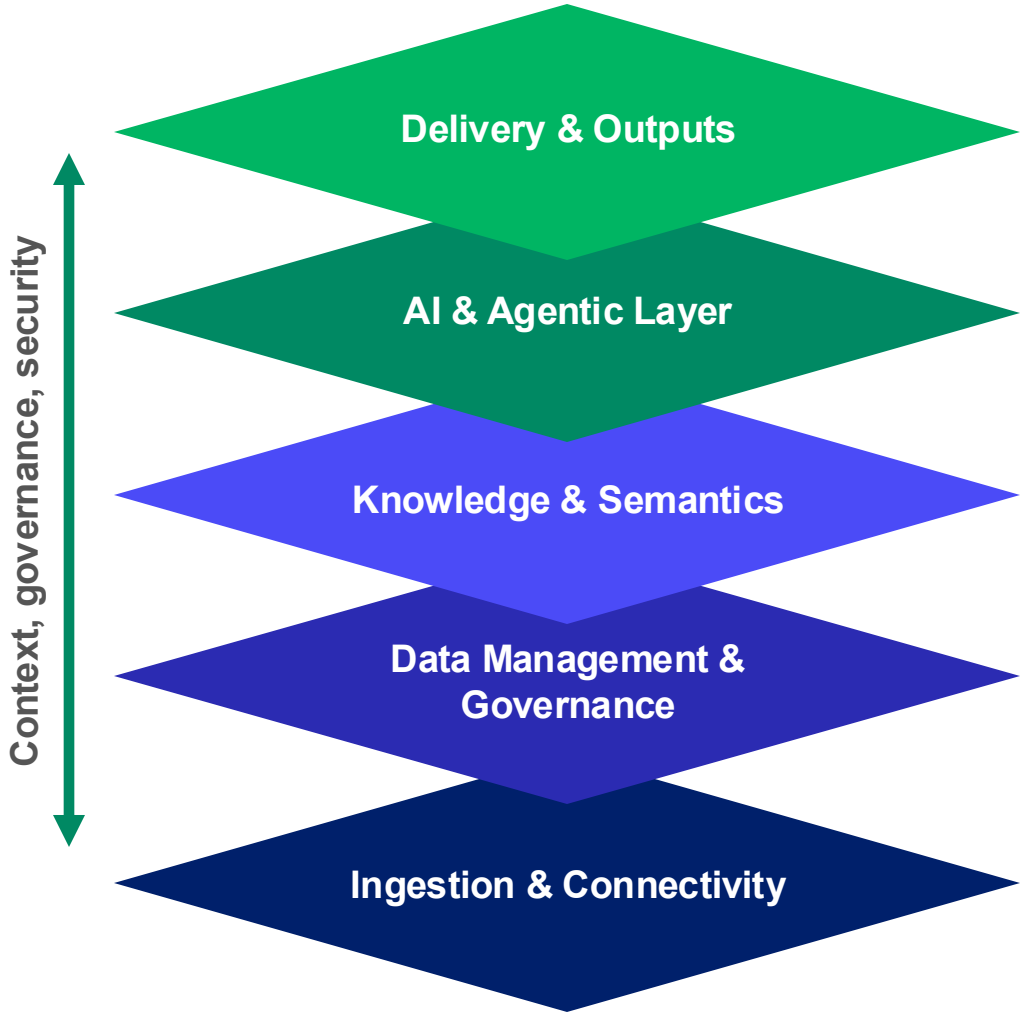
Progress Semaphore

Progress MarkLogic

Progress DataDirect

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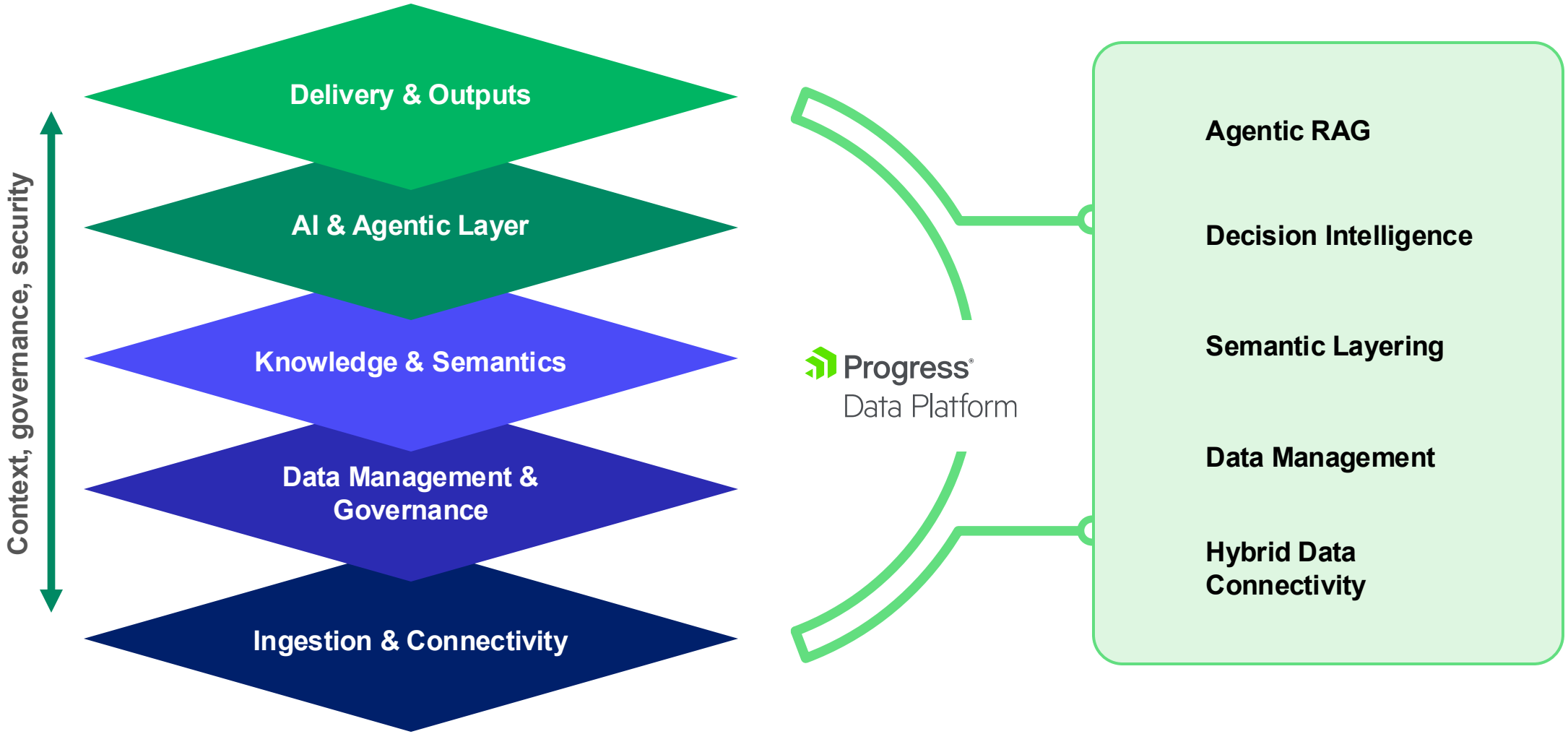
Capabilities Behind Progress Data Platform



Progress Corticon	**Decision Orchestrator**	• Business rules • AI control
Progress Agentic RAG	**Agentic Retrieval Layer**	• Verifiable answers with provenance
Progress Semaphore™	**Context Suite**	• Business knowledge • Meaning & context
Progress MarkLogic®	**Multimodel Data Engine**	• Goverened data • Search
Progress DataDirect®	**Data & MCP Connectors**	• Data connectivity • Governed access

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Capabilities Behind Progress Data Platform



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Inside the Semantic Layer

Trusted context for AI, Analytics and Operations with answers you can explain and trust.

Progress Data Platform Studio unifies all of it into one semantic layer.
The consumption layer for agents, applications and other clients that expresses how to interact with the data.

Ontologies
Describe the business entities and how they relate

Taxonomies
Concepts and vocabulary that make content organizable and retrievable

Vector Embeddings
Meaning extracted by embedding models for similarity and recall

Provenance & Lineage
Where the data came from and what happened to it along the way

Knowledge Graph
What we know about the business

Security
You only ever see the data you are permitted to see

Unstructured Data
Text Documents, Audio, Video, Images, etc.

Relational & Structured Data
OpenEdge, RDBMS Data, Graph Data

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Advanced Intelligence Without Moving the Center of Gravity

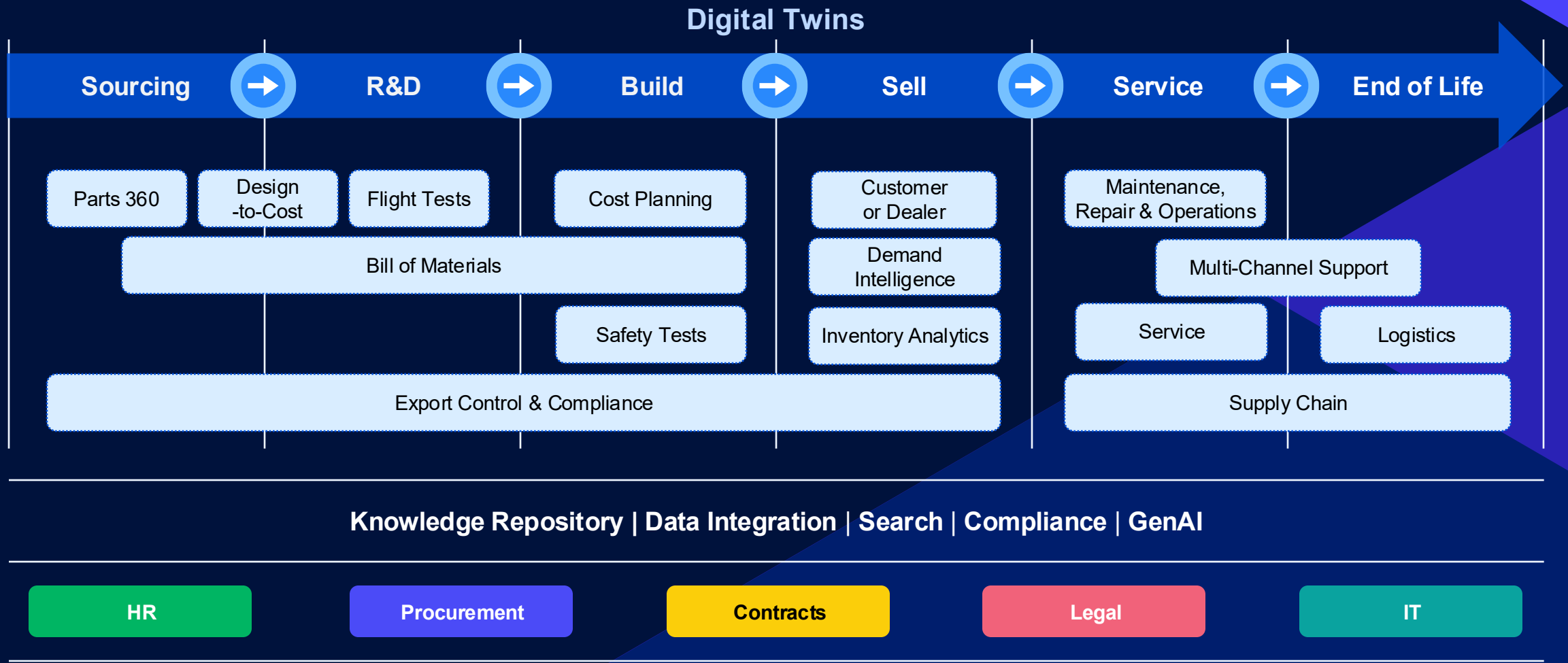
- Progress® Data Platform integrates structured, semi-structured and unstructured data into a unified model
- Advanced analytics and semantic analysis pipelines build context into your data
- BI and data science tools connect to the analytical layer rather than stressing production systems
- Search is how users discover operational facts, related documents, entities and context

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Real-World Use Case

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Value Chain – Manufacturing



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Progress Data Platform Studio: Onboarding and Enrichment

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Progress Data Platform Studio: Onboarding & Enrichment

- Structured and unstructured data
- Advanced enrichments
- Schema and ontology detection
- Human-in-the-loop publishing

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Sorbitol Catalysis

Created by wanczows@progress.com · Jul 13, 2026 Last updated · Jul 13, 2026

What would you like to do...

GPT-5.6 Sol

Compare Catalyst Performance | Summarize Reactor Runs | Analyze Cycle Outcomes | Find Catalyst Deactivation Patterns | Evaluate Cycle Termination

CONVERSATIONS

Compare reaction outcomes, process conditions, and measured compound profiles between [Catalyst ... 2 hours ago

Sorbitol Catalysis
Active

Agents

Datasets

- Sorbitol Research and Pa... — 320 resources — Ready
- Catalyst B — 31 resources — Ready
- Catalyst A — 29 resources — Ready
- Run data — 8294 resources — Ready

+ Add

Pipelines

+ Add

Knowledge Models

Sorbitol Catalyst Operations
5 classes · 6 relationships

+ Add

Dashboards

Catalysis Run Summary
0 items

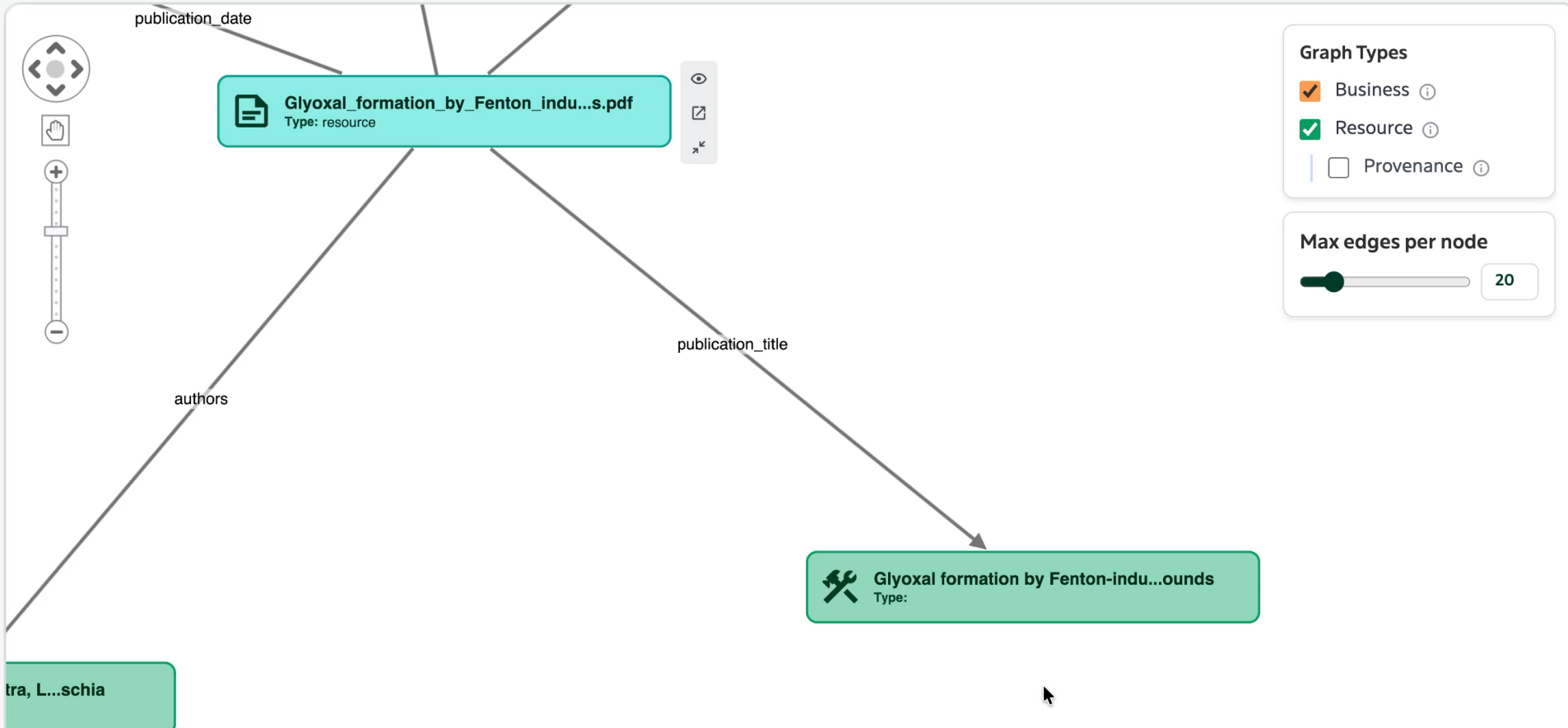
Back

Glyoxal_formation_by_Fenton_induced_degradation_of_carbohydrates_and_related...

Reprocess | Download | Delete

Ready Added 13/07/2026

Details | Raw | Chunks 57 | Graph | Knowledge | {} RDF



Sorbitol Catalysis

Created by wanczows@progress.com · Jul 13, 2026 Last updated · Jul 13, 2026

What would you like to do...

GPT-5.6 Sol

Summarize Sorbitol Research | Compare Catalyst Performance | Analyze Reactor Runs | Find Process Drivers | Evaluate Catalyst Lifecycle

CONVERSATIONS

- Create a Knowledge Model for Catalysis Runs and Yields — 22 hours ago
- Compare reaction outcomes, process conditions, and measured compound profiles between [Catalyst A]... — Yesterday

Sorbitol Catalysis
Active

Agents

Datasets

- Sorbitol Research and Pa... — 320 resources — Ready
- Catalyst B — 31 resources — Ready
- Catalyst A — 29 resources — Ready
- Run data — 8294 resources — Ready

+ Add

Pipelines

+ Add

Knowledge Models

- Catalysis Yield and Catalyst Lifec... — 5 classes · 8 relationships

+ Add

Dashboards

- Catalysis Run Summary — 0 items

Progress Data Platform Studio: Knowledge Consumption

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Progress Data Platform Studio: Knowledge Consumption

- AI chat with selectable agents
- History and full citations
- Structured and unstructured analysis
- Conversational dashboarding

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Sorbitol Catalysis

Created by wanczows@progress.com · Jul 13, 2026 Last updated · Jul 13, 2026

What would you like to do...

GPT-5.6 Sol

Compare Catalyst Performance | Summarize Reactor Runs | Analyze Cycle Outcomes | Find Catalyst Aging Signals | Identify Optimal Conditions

CONVERSATIONS

Compare reaction outcomes, process conditions, and measured compound profiles between [Catalyst ... 2 hours ago

Sorbitol Catalysis
Active

Agents

Datasets

- Sorbitol Research and Pa... — 320 resources — Ready
- Catalyst B — 31 resources — Ready
- Catalyst A — 29 resources — Ready
- Run data — 8294 resources — Ready

+ Add

Pipelines

+ Add

Knowledge Models

Sorbitol Catalyst Operations
5 classes · 6 relationships

+ Add

Dashboards

Catalysis Run Summary

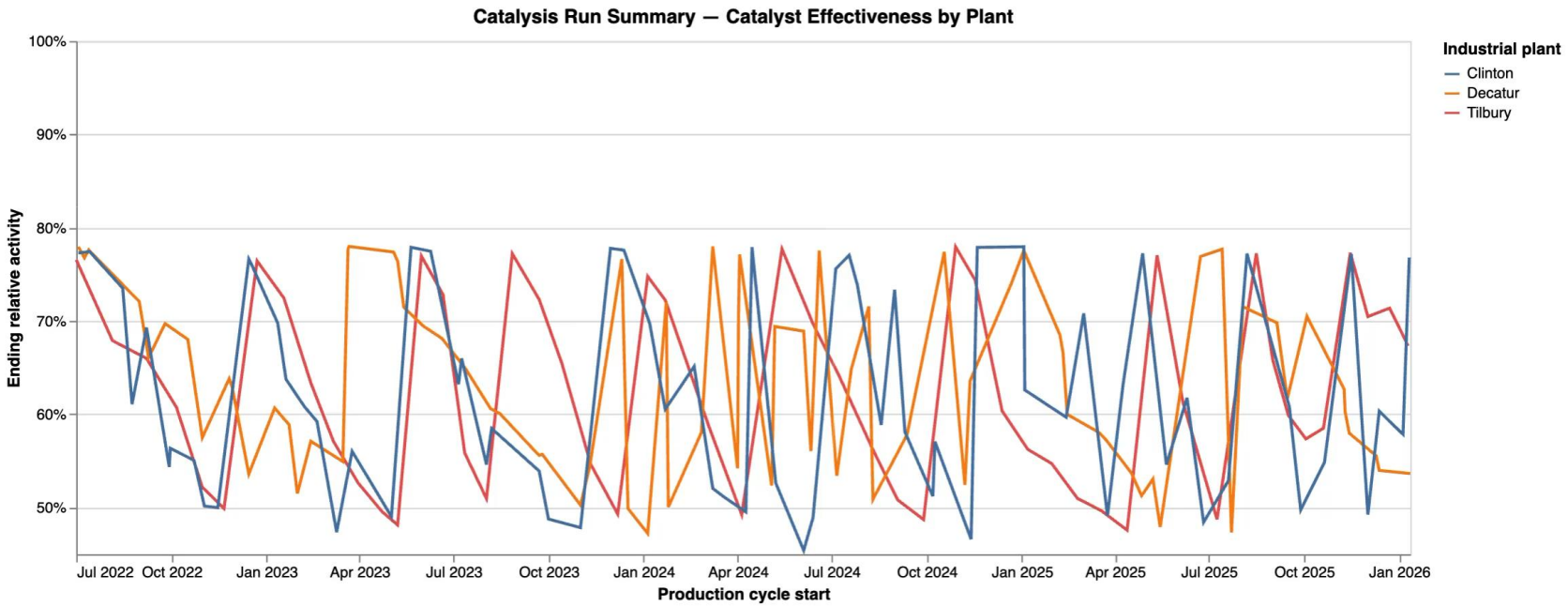
Back to dashboards

Catalysis Run Summary

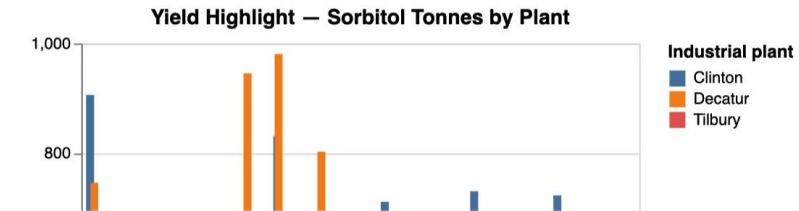
Drag to rearrange. Resize from a chart edge.

3 visualizations

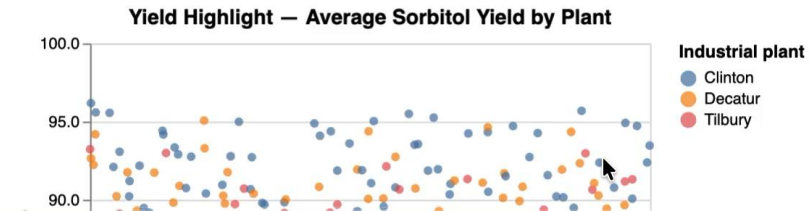
Catalyst Effectiveness Over Time by Plant



Sorbitol Output by Plant



Sorbitol Yield by Plant



Create a dashboard that summarizes Catalysis Run Summary. Plot the effectiveness of the catalysis over time and hilight the yields.

03:11 PM

Project Assistant 03:11 PM

History

Created the **Catalysis Run Summary** dashboard with:

- **Catalyst Effectiveness Over Time** — ending relative activity by cycle start date.
- **Sorbitol Yield Highlight** — average sorbitol yield percentage over time, color-emphasized.
- **Sorbitol Output by Cycle Start** — total sorbitol tonnes produced.

The layout uses a full-width effectiveness trend followed by two yield-focused charts.

Catalysis Run Summary

Input 688,075 tokens Output 26,370 tokens

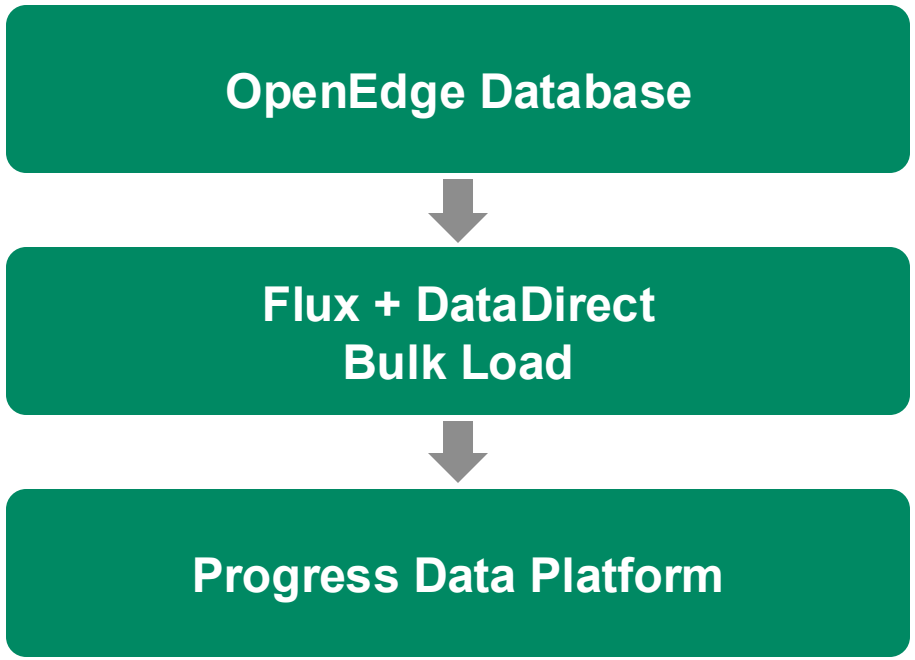
Ask the agent to build or change this dashboard

Integration Patterns

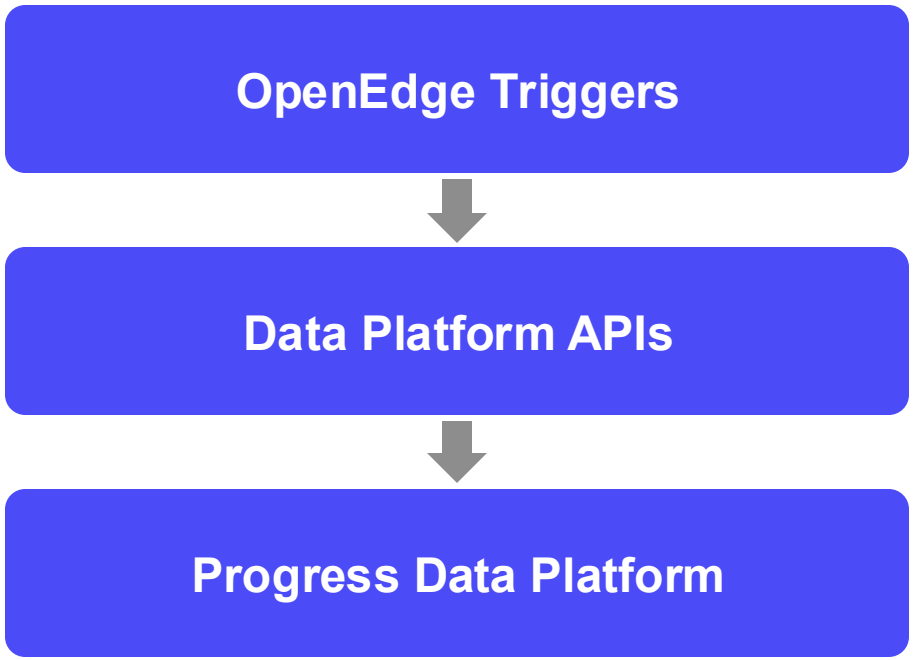
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Getting OpenEdge Data into the Intelligence Layer

Scheduled



Real-Time APIs



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PATTERN 1

Scheduled Reference Data Load

A concrete starting pattern: OpenEdge platform to Progress® DataDirect® Connectors and Progress® MarkLogic Flux® to Progress Data Platform to BI and search

How It Works

Use Progress DataDirect connectors and Progress MarkLogic Flux data movement application to load OpenEdge data into the Progress Data Platform

Where It Fits

Historical reporting, initial onboarding, reference data and lower-frequency refreshes

Why Start Here?

Keeps the first project approachable while proving value quickly on known datasets

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PATTERN 2

Stream Changes in Real Time

How It Works

OpenEdge platform triggers and real-time APIs publish business events and data changes

Where It Fits

Low-latency updates for dashboards, event-driven use cases and operational analytics

Why Start Here?

Answers: "What is happening now?" without disrupting the core OpenEdge application

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From Data Movement to Business Meaning

Data Movement

- Traditional reporting architectures move records and tables
- Synchronization is delayed and context-free
- Customer record updated; order inserted; product modified

Business Events

- Intelligence-first architectures capture meaningful business events
- Real-time awareness beats delayed synchronization
- Customer credit status changed; high-value order placed; inventory threshold reached

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Reference Architecture: OpenEdge + Data Platform

System of Record

OpenEdge stays the authoritative source for core business data

Integration

Triggers and APIs stream events; Flux and DataDirect handle bulk loads

Intelligence Layer

Progress Data Platform unifies analytics and search

Consumption

BI, search, web apps and AI

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Consumption Patterns

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Consumption Pattern: Operational Analytics & BI

- BI consumers need consistent access to timely, governed operational data
- Progress Data Platform exposes analytical views using SQL and ODBC patterns
- Reporting pressure is reduced on the production OpenEdge environment
- Outcomes include operational dashboards, compliance reporting, customer 360 and performance monitoring

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Consumption Pattern: Search, Discovery & Knowledge Access

- Users can ask, find, filter and explore across operational and contextual data
- Search APIs power web applications, internal portals, service desks and customer-facing experiences
- Facets and entity discovery help users navigate complex data
- Security controls are critical when operational data is exposed through search

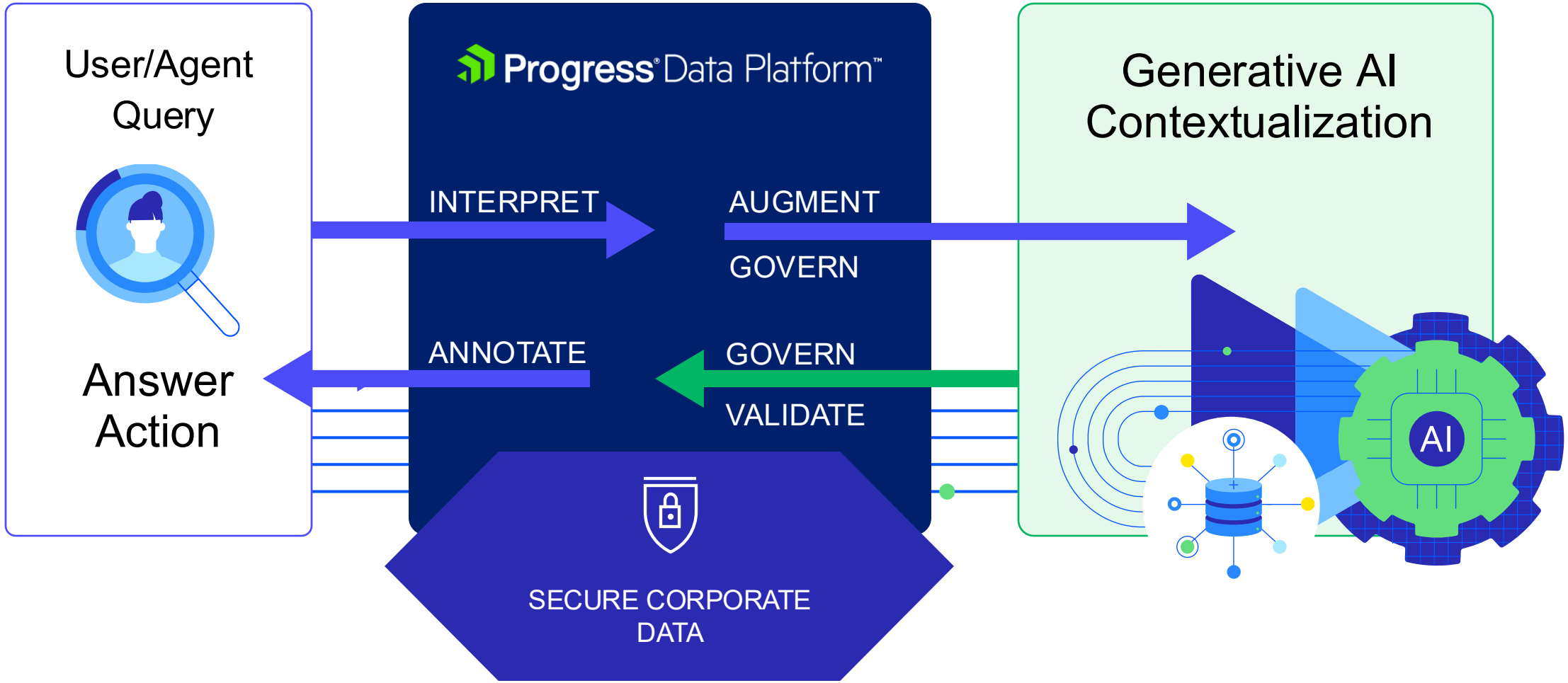
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Consumption Pattern: AI-Ready Context & RAG

- What AI needs: trusted, accurate, relevant, governed and contextual data
- What the OpenEdge platform provides: the operational truth, extended with context from documents, metadata, events and relationships
- What Progress Data Platform adds: a prepared data foundation for agentic RAG and AI-driven experiences with source traceability

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Creating Contextual Human-Centric AI to Drive Business Outcomes



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What This Unlocks for the Business

Four outcomes the semantic layer delivers on the system of record you already run.

SPEED

Time to Insight

Faster answers, without silos or overnight batch latency

TRUST

Context You Can Explain

Answers carry business context, governed and traceable to their source

AGILITY

Room to Move

Analytics, search and AI use cases without re-architecting the core

VALUE

A Protected Core

A modernization path that protects the OpenEdge core while expanding its value

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Start with the Data You Already Have



High-value OpenEdge data that is hard to reach today

One use case: BI offload, search or real-time analytics

Progress Data Platform as a governed intelligence layer

Prove value, expand patterns, move toward AI-driven insight

Engage and evaluate new features with users. Repeat.

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Preserve the Core, Extend the Value

What Must Stay True

- OpenEdge platform remains the system of record
- Transactional is remains foundational
- Business logic is controlled and predictable
- Security, governance and operational stability are non-negotiable

What Must Evolve

- Operational data must become easier to access and analyze
- Search must become part of the user experience
- Data must become contextual, governed and AI-ready
- Reporting must move from delayed batches toward near real-time insight

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What You Can Now Deliver

With OpenEdge as your system of record and Progress Data Platform as your intelligence layer, you can now deliver:

Real-Time Analytics
Decisions on current numbers, not last night's batch

Enterprise Search
One searchable view across records and documents

Trusted AI
Governed, contextual data that AI can explain

Better Decisions
Business context delivered where the work happens

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News You Can Use

- Learn how to access the **OpenEdge AI Assistant**
- Get started with the **OpenEdge MCP Server**
- Book a demo of **Progress Agentic RAG**
- Modernize to **OpenEdge 12.8** today
- Explore what's new in **OpenEdge 13.0**
- Work with **Progress Professional Services** to accelerate adoption
- Learn about **security capabilities** across OpenEdge
- Explore the **developer tools** available for OpenEdge today
- Connect with us: **Discord, Community, CVP and more**



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