

UNLOCKING INTELLIGENT GROWTH WITH TRUSTWORTHY AI

Global leader in **GraphAI**, providing an **end-to-end knowledge graph platform** that turns your fragmented data into **AI-ready, reliable, explainable** intelligence



THE CHALLENGE

- **Siloed Data & Underperforming Assets** raising compliance, reputational risks and integration costs
- **Stalled Growth & Performance** caused by hidden intelligence and reduced employee productivity
- **Hallucinations & Lack of AI Trust** stemming from ungrounded data and leading to limited AI value



OUR SOLUTION

- ✓ **Trustworthy AI & LLM Grounding** with explainable and domain-aware outputs enabled by graph reasoning
- ✓ **Strategic Insights & Intelligence** feeding applications such as GraphRAG, chatbots and Q&A services
- ✓ **AI-Ready Data Foundation** uncovering hidden insights and enabling smarter operations

www.graphwise.ai • info@graphwise.ai • www.linkedin.com/company/graphwise



New York



Sofia



Vienna



Basel



London



DEMOCRATIZING THE FUTURE OF AI WITH GRAPHWISE

Every organization envisions a future where they confidently leverage AI for **unparalleled growth**. But in the GenAI race, achieving this is often derailed by **AI hallucinations, stalled growth**, legal and compliance risks, and limited ROI.

The root cause? Many companies **lack the essential foundation for reliable, transparent, and explainable AI**.

Graphwise offers that essential foundation. As the **global leader in GraphAI**, born from the strategic merger of Ontotext and Semantic Web Company and their GraphDB and PoolParty technologies, we provide the solution. We empower you to build a semantic foundation for trustworthy AI that delivers real, sustainable value.

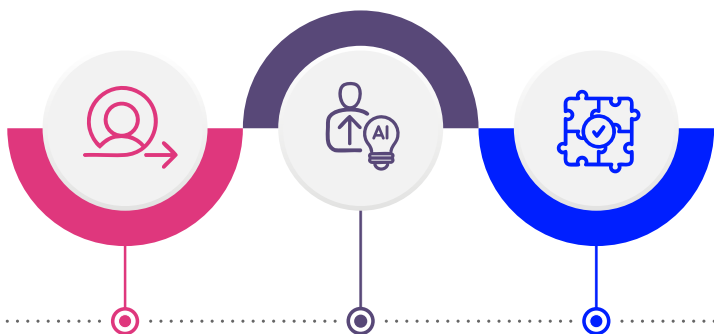


Your Trusted AI Guide

- **Get data AI-Ready** by transforming fragmented content into unified, intelligent assets
- **Build domain-aware AI** that truly understands your business
- **Reduce AI hallucinations and risks** by grounding LLMs with contextual data
- **Improve AI Performance and ROI** by boosting accuracy with graph reasoning and inferencing
- **Power intelligence applications** like GraphRAG, chatbots, Q&A services and semantic search

The AI Flywheel: Human-Centered, Self-Improving Intelligence

Graphwise acts as your **AI flywheel**, creating a dynamic, self-improving system turning messy knowledge into an evolving competitive advantage.



Human in the Loop

Reviewable, explainable decisions aligned with your domain expertise

Recursive AI Self-Improvement

AI gets smarter by continuously expanding its Knowledge Graph with new insights

Fast Delivery

Continuously evolving value instead of one-size-fits-all solutions

Driving tangible results

Less manual effort & operational costs

Accelerated time-to-insight for decisions

Faster compliance & audit readiness

Reduced LLM hallucinations & increased ROAI

Enhanced employee productivity

Maximized company value

... by building a smarter foundation



Improved content accessibility & traceability across silos



Automated information extraction & semantic search



Streamlined processes and reduced tech stack complexity



Enhanced content reuse & intelligent recommendations



Improved data governance & strategic insights



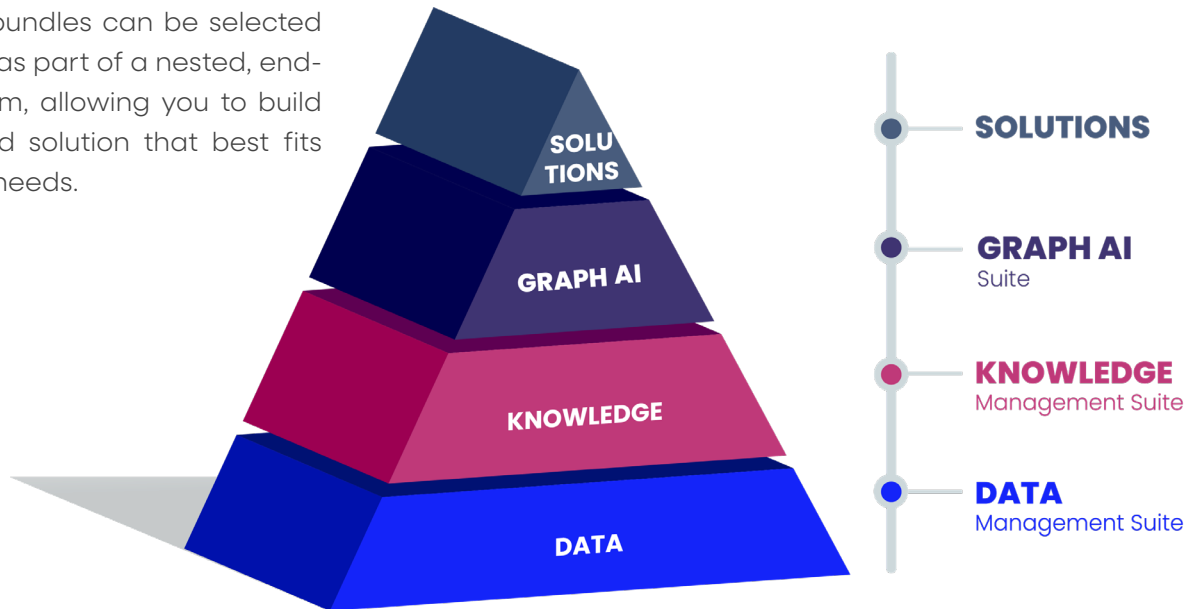
Integration of AI for context-aware knowledge augmentation

THE GRAPHWISE PLATFORM

Your End-to-End Solution for GraphAI

At Graphwise, we empower organizations with a comprehensive platform to build, manage, and leverage Knowledge Graphs (KGs) for **AI-driven applications**.

Our modular bundles can be selected individually or as part of a nested, end-to-end platform, allowing you to build the customized solution that best fits your business needs.



Data Management Suite

Provides the core infrastructure tools to unify fragmented data sources, transforming raw information into a rich, interconnected **AI-ready Knowledge Graph**.

This suite includes components like:

- RDF graph database
- Data ingestion and automation
- Data cleaning and RDF conversion tools

Knowledge Management Suite

Offers a comprehensive set of tools to organize knowledge and enrich content with ontologies, taxonomies, and semantic metadata, transforming data into **AI-ready and context-rich assets**.

This suite provides core capabilities like:

- Automated tagging and content enrichment
- Natural Language Processing (NLP) and text mining
- Advanced content analytics and knowledge modeling

Graph AI Suite

Combines your KGs with **GenAI** to deliver trusted, explainable, and high-performance AI systems that power applications like **GraphRAG**.

This suite contains tools for:

- Natural Language Query over the graph
- AI application development
- Semantic Search Engines

Solutions

Delivers fully developed, deployable applications built on the complete Graphwise stack, tackling specific business challenges out-of-the-box.



Semantic AI solution integrating with the Microsoft 365 workspace (SharePoint, Teams, and Copilot)



KG for building a smart recommendation engine to provide highly accurate, context-aware insights for compliance reporting (e.g. in ESG)



GRAPHRAG

Grounding Your AI in Enterprise Knowledge

In the race to harness AI, **Retrieval Augmented Generation (RAG)** has become a key approach to ground Large Language Models in proprietary data. But a simple RAG approach often falls short. It retrieves isolated facts from a flat database that lacks the rich connections and context needed for truly accurate and explainable AI.

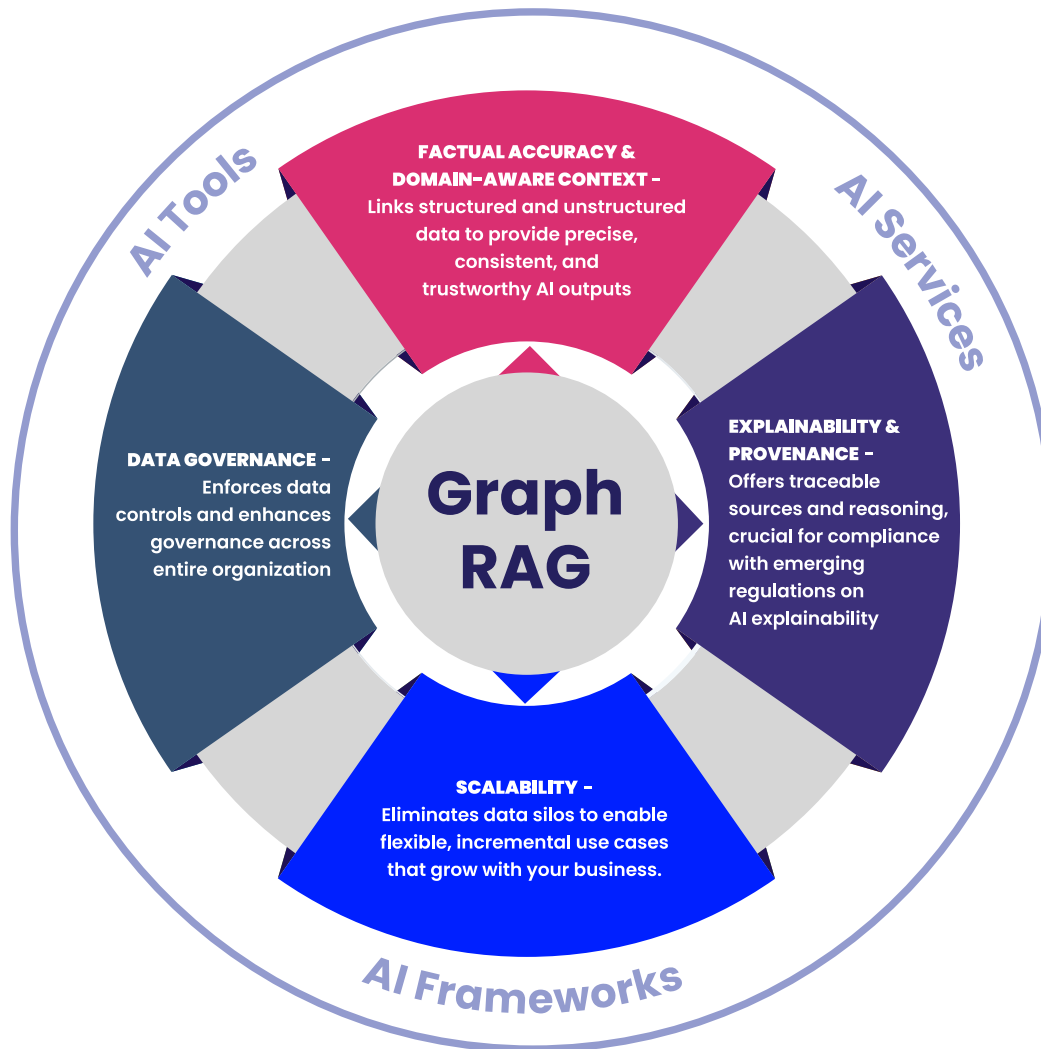
This is where Graphwise's **GraphRAG** comes in.

Our advanced solution combines the strengths of KGs with LLMs, directly grounding your Gen AI in the **dynamic, interconnected data of your semantic layer**. This hybrid architecture doesn't just retrieve facts; it understands the **relationships and context** behind them, significantly **reducing hallucinations** and providing a foundation for **trusted, high-impact AI**.

Why GraphRAG is essential

Unlike traditional RAG, which mainly extracts and summarizes information from isolated document chunks without the necessary context, GraphRAG integrates domain-specific ontologies and taxonomies to provide **richer, more precise, and verifiable answers**. This process ensures **factual accuracy, contextual relevance, and explainability**, dramatically reducing hallucinations.





GraphRAG in Action

GraphRAG powers customer AI applications across a wide range of sectors consistently delivering significant efficiency, cost savings, dramatically improved AI accuracy and reliability.

- **Intelligent Knowledge Access:** Empower employees and researchers with intelligent Q&As, enterprise search and company wide knowledge discovery.
- **Accelerated Workflows:** Speed up critical processes like legal, compliance, and R&D by quickly extracting key findings from vast data sets.
- **Enhanced Self-Service & Support:** Power AI assistants and chatbots that provide highly accurate and reliable answers for customer service and technical inquiries.

Tangible benefits



26%

AI
OUTPUT
IMPROVEMENT

reducing hallucinations
from 15% (VectorRAG)
to 4% (GraphRAG)

80%

(UP TO)
SAVINGS
IN TOKENS

lower operational costs
compared to text-only
RAG

40%

FASTER
SEARCH &
RETRIEVAL

with deterministic &
contextualized insights
eliminating manual
checks

2.67 x

FASTER
AVERAGE
TIME-TO-ACTION

by providing essential
contextual data to
agents

How Do You Start Your GraphRAG Journey?

Graphwise's **5-Star AI Innovation Program** guides you step-by-step in integrating AI and GraphRAG, offering structured support, upskilling, real-world testing, and scalable value delivery.

EMBARK ON YOUR JOURNEY TO
TRUSTED, TRANSFORMATIVE AI



LEARN MORE ABOUT THE ACCELERATOR



DO IT GRAPHWISE - OUR ***** APPROACH

Data holds immense growth potential, but only if it's managed strategically. That's why we've created the **"Do It Graphwise" 5-star model** – your practical journey to transform raw information into competitive advantage, one strategic step at a time.

Enterprise Semantic **Maturity Model**



Enterprise-wide Strategy

for data and information management based on a fully integrated semantic layer



KG as a Trusted Data Source

for advanced AI applications like Graph RAG, AI Assistants, and AI Agents



Unified Knowledge Graph

for shared knowledge and cross-departmental use with deeper integration



Shared Semantic Models

across teams and use cases to reduce duplication and improve consistency



Ad-hoc/Departmental use

of ontologies and taxonomies to solve narrow problems with low initial investment

Need for a **Semantic Layer** and
Knowledge Graph Strategy



BENEFIT FROM FULL-FLEDGED SEMANTICS - THE LPG VS. RDF CASE

Labeled Property Graphs (LPGs) can solve enclosed problems, but for long-term strategic value, reliable AI, and true enterprise intelligence, a deeper foundation is essential. The Graphwise platform is built on Resource Description Framework (RDF), offering **true semantic power and interoperability** that goes far beyond the limitations of basic LPG approaches.

LPG limitations	Graphwise RDF advantages
Simple string labels often lacking the rich, unambiguous meaning for complex data	Semantic clarity via URIs and IRIs essential for reasoning and inference
Fragmented data environments hindering interoperability and sometimes leading to data silos	True interoperability via W3C standards for a unified view and seamless integration across data sources
Limited custom quality checks making it difficult to ensure data integrity and reliability for AI and GenAI	Declarative data quality using SHACL for data validation and constraint checking
Poor scalability & flexibility to an adaptable, enterprise-wide knowledge model	Enterprise scalability on a standards-based, adaptable foundation for the entire knowledge infrastructure
Basic context for AI focused on efficient traversal and analytics within a closed dataset	Deep context for AI essential for providing accuracy, grounding LLMs, and enhancing RAG
Insufficient metadata limiting full data understanding and governance	Comprehensive metadata providing a complete picture of your data assets



SOLVING CORE CHALLENGES ACROSS INDUSTRIES

In high-stakes industries where results are critical and trust is non-negotiable, Graphwise unlocks the strategic value in your data to drive unparalleled growth and efficiency in:



Healthcare & Life Sciences: Accelerated R&D, drug safety, regulatory efficiency



Financial Services: Market intelligence, fraud detection, and compliance



Media & Publishing: Enhanced content discoverability, personalization



Public Sector & Defence: Empowered intelligence, security, and efficient services



Manufacturing, Automotive & more: Predictive maintenance, supply chain optimization, digital twins



THE IMPACT WE MAKE



Avalara

A crucial barrier to implementing Knowledge Graphs is the labor-intensive creation and maintenance process. Automation tools [...] with graph databases have made it possible to automate the generation of knowledge graphs from content.”

- Michael Iantosca, Senior Director of Content Platforms and Knowledge Engineering, Avalara

“Graphwise brings together industry leaders to create the most comprehensive Knowledge Graph powered AI platforms. Combining their expertise, it can help businesses unlock the full potential of their AI investments.

- Christian Dirschl, Chief Content Architect, Wolters Kluwer



Wolters Kluwer



healthdirect

Integration of PoolParty and GraphDB into a comprehensive Graph AI platform will greatly enhance our capabilities and provide us with innovative solutions to better meet our customers’ needs.”

- James Humffray, Information Manager, Healthdirect Australia Ltd.



ABOUT US



Atanas Kiryakov
President



Vassil Momtchev
SVP Product &
Technology



Veska Davidova
SVP Finance &
GRC



Martin Kalenböck
SVP Customer
Success



Andreas Blumauer
SVP Growth



Rick Crane
SVP Revenue

200+ staff based in

 **New York**

 **Sofia**

 **Vienna**

 **Basel**

 **London**



OUR PARTNER ECOSYSTEM



Our strong network of consulting, technology, and implementation partners, enhances our platform with seamless deployment, tailored solutions and dedicated support.

Strategic platform partners



Consulting & implementation partners



Technology & OEM product partners



Value-added resellers



Research partners & more

OUR CUSTOMERS

Financial Services

J.P.Morgan  UBS
S&P Global *die Mobiliar*

Healthcare & Life Sciences

 Roche
 ROYAL PHARMACEUTICAL SOCIETY
 KAISER PERMANENTE  Takeda

Manufacturing & Infrastructure

 NASA **VOLVO**
Johnson Controls 

IT, Consulting & Media

 Harvard Business School **B B C**
Microsoft 

CUSTOMER SUCCESS STORY



Scaling Search and Content Governance with Semantic Technology

3.5 M+

Content items

70%

Auto-tagging accuracy

8 months

Manual tagging effort automated

The Challenge

- Fragmented, unstructured documentation environment with exponential content growth

Our Solution

- ✓ Semantically enriched knowledge system for automated classification & improved governance

The Impact

- ★ Cut taxonomy management time **from weeks to hours**
- ★ Automated **semantic classification & discovery**
- ★ Delivered **smarter internal search and recommendations**