

ChapsVision for Manufacturing

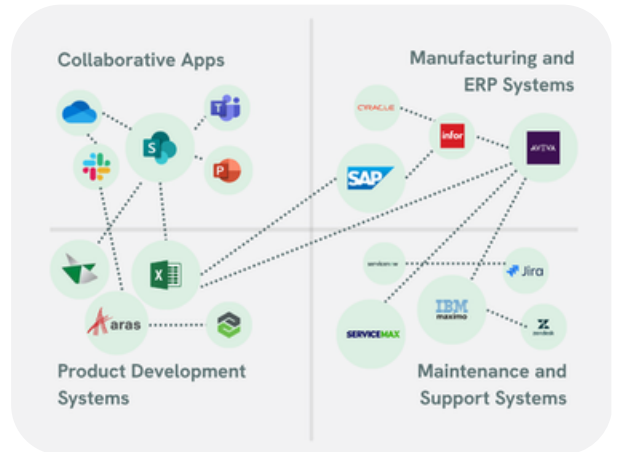
Agentic AI Powered by your "Digital Thread"

The digital thread exists. It's just not readable.

Engineers spend 15-30% of their time searching for information (CIMData). Not because data is missing, but because it's scattered across PLM, ERP, MES, CAD libraries, and dozens of other systems that were never designed to talk to each other.

Accurate AI agent outputs require one thing general-purpose copilots don't have: **secured access to your actual enterprise data**. Your BOMs, test procedures, compliance records, and supplier specs need to be **indexed, correlated, security-trimmed**. Without that foundation, even the best model delivers 3x fewer correct answers on complex engineering questions.

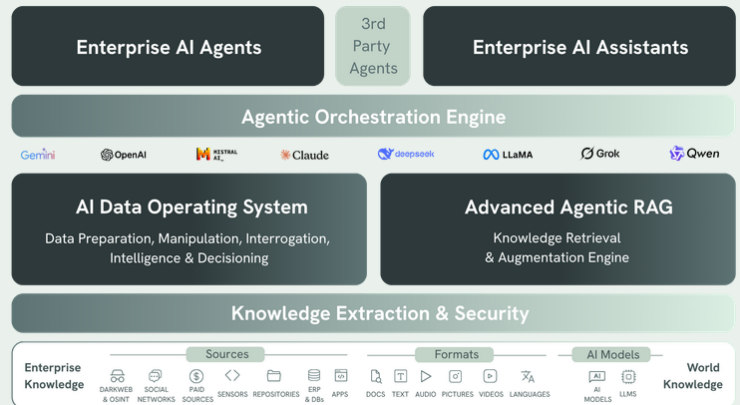
We connect your digital thread and make it work — for your engineers and for your AI agents.



One platform. Every system connected. Every answer grounded.

We unify your engineering, manufacturing, and support data into a single **Enterprise Knowledge Base** — purpose-built to feed AI agents with correlated, enriched, security-trimmed information.

200+ connectors. 300+ file formats including 2D/3D CAD. Real-time indexing. Full traceability from raw source to delivered answer. On-premise, cloud, or fully disconnected environments.



From questions to action — at your pace

STEP 1

Discover & Synthesize

AI agents search across all your systems, correlate information, and deliver answers with full source traceability.

"Show me all parts similar to P-4521 that passed aerospace certification."

→ 3 candidates returned with compliance docs, design history, and supplier data. In seconds.

STEP 2

Act & Update

Agents analyze impact, flag dependencies, and recommend actions. Engineers review and push updates.

"What's the impact of changing material spec on assembly XR-220?"

→ Agent maps affected BOMs, linked test procedures, downstream contracts. Flags 2 compliance risks.

STEP 3

Automate, Human-in-the-Loop

Agents execute multi-step workflows — V&V checks, doc updates, change propagation — with engineer approval at each critical step.

"Run validation checks on updated turbine assembly and flag test coverage gaps."

→ Agent cross-references test matrix, identifies 3 missing test cases, drafts procedures for review.

Simple questions. Strategic impact.

"Do we have a stainless steel valve rated for 3,000 PSI with AS9100 certification?" **Part reuse · Compliance**

"Show me gaps in test coverage between the design verification plan and the test matrix." **Quality · Dev speed**

"Flag mismatches between the engineering BOM and the manufacturing BOM." **Quality · Cost avoidance**

"Rank qualified suppliers for titanium heat exchanger tubing by lead time and cost per unit." **Supply chain**

Measured impact over 3 years

From a leader in engine manufacturing — \$35B revenue, 30,000 engineers:

\$100M

PRODUCTIVITY

\$70M

WARRANTY
AVOIDANCE

\$60M

DEV. EFFICIENCY

3x accuracy vs. general-purpose copilots

AI agents live in weeks

A quick, reliable answer to each of these questions saves weeks and millions.

Built for critical environments

On-premise / Cloud / Air-gapped

ABAC security at attribute level

Full audit trail of any action

ITAR-ready deployment

A2A & MCP ready

Model agnostic

"On complex engineering questions, CoPilot produced only 15 correct answers while Sinequa produced 39. That's the difference between a failing grade and an A."

CTO Office, Corporate Technology

"With ChapsVision, we are seeing faster innovation, reduced rework, and a more agile response to market and regulatory demands. ChapsVision is enabling us to unlock the agentic potential of our digital thread across the business."

Executive Director, Enterprise Engineering Solutions, Cummins

Trusted across industries

Aerospace & Defense

 
AIRBUS **BLUE ORIGIN**

Energy

 
framatome 


Industry & High-Tech

Automotive, Chemical & more

  
RENAULT
 **FORVIA**
We create chemistry

Start with search. Scale to agents.

Deploy a conversational manufacturing agent in weeks. Expand to change impact analysis, V&V automation, and full agentic workflows — at your pace, with your team in control.

[Talk to an Expert](#)

[Download Now](#)

About ChapsVision

ChapsVision is a global leader in agentic AI and data solutions. Trusted by over 2000 customers across 40 countries, ChapsVision delivers industry-specific software solutions powered by agentic AI to meet the complex needs of data-intensive sectors. Its innovative and scalable Data & AI platform is powered by proven technology enablers that accelerate data acquisition, preparation, and analysis.

Driven by significant R&D investments in large-scale data and AI and supported by a targeted strategy of acquisitions and international expansion, ChapsVision has rapidly established itself as the trusted partner in agentic AI for business and government organizations around the world.