



COGNITE
AI FOR INDUSTRY

The Modern AI Playbook for Industrial Leaders

There's no escaping the pressure to deliver working, trustworthy, Industrial AI into operations teams.

We've got you covered.



Even in the new gen AI era, existing challenges persist

Industry remains at a tremendous inflection point with the quickly evolving state of data & AI for improving operational productivity.

But many digital teams are still struggling to put it all together and show results due to complex internal and external factors:

-  Board and Executive Pressure
-  Cultural Change Management
-  DIY vs SaaS Architecture Strategy
-  Shifting Roadmap Priorities
-  Trustworthy Data & AI Infrastructure
-  Confusing Landscape of Solutions
-  Positive Vendor Experience



The complex gen AI software landscape isn't helping

Many digital leaders have evaluated more software than they ever expected across their digital journey. In a sea of messaging and technology from new and legacy vendors, it can be difficult to gauge the right mix of qualities that fits your culture and positions you with the **best chance of success**.



The perfect mix of the following characteristics is rare:



Deep industrial domain expertise, built for industrial requirements



Successful case studies showing scaled data & gen AI projects



Software & processes that emphasize trust, and explainability



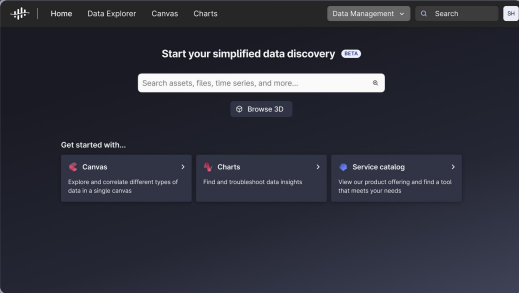
Approachable, creative, easy-to-work-with partner mentality



Extensive, highly-engaged partner and customer community

AI-powered operations depend on three key pillars

Despite these cultural and technical challenges, **the roadmap** for delivering AI-based digital transformation **has never been clearer**. Regardless of your current digital maturity and goals, each pillar delivers complementary wins to your digital transformation program.



Start your simplified data discovery

Search assets, files, time series, and more...

Get started with...

- Canvas: Explore and compare different types of data in a single canvas
- Charts: Find and troubleshoot data insights
- Service catalog: View our product offering and find a tool that meets your needs

Industrial Data Search Industrial Canvas No-code analytics

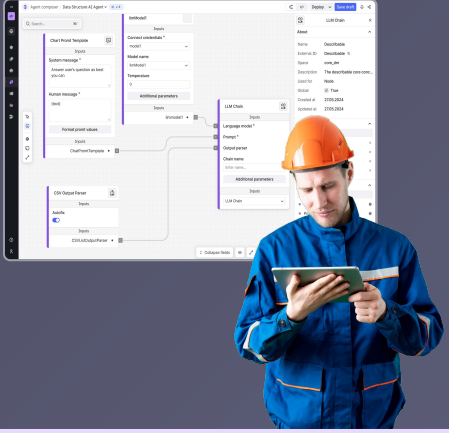
Simple Access to Complex Data



Digital Operator Rounds Production Optimization TAR Planning

Maintenance Planning Root Cause Analysis Tailored Enterprise solutions

Operational Use Cases at Scale



Orchestrated, AI-enabled Agents

First Value: Simple access to complex industrial data

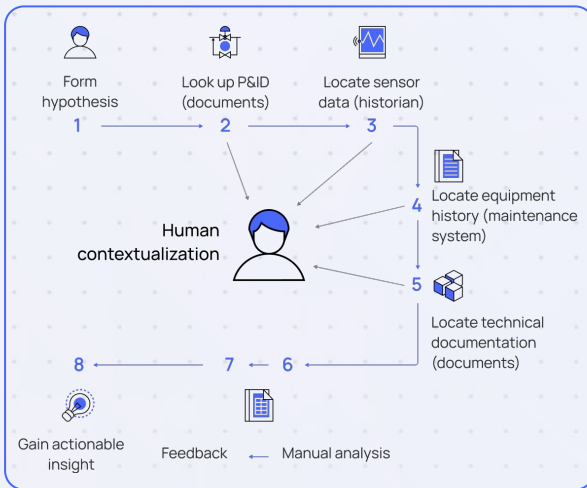
Smarter, more effective operations start when front-line workers have instant, reliable access to key data for decision-making

Key Success Factors:

- ✓ Can integrate and contextualize all types of time series, engineering ERP, visual data, & more
- ✓ Intuitive operator tools and experience for data discovery and exploration
- ✓ Openness, trust, explainability, governance, security

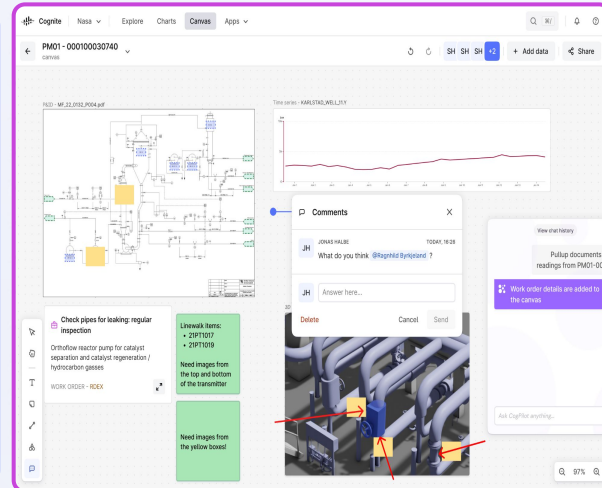
From this...

Manual, cumbersome industrial data workflow



...to THIS

Single workspace for data & analytics powered by AI



Explore

One workspace for *any* type of data. **Copilot powered search.**

Collaborate

Annotate, tag users, share insights with seamless integration into no-code analytics.

Create

Summarize documents and write complex queries using natural language.

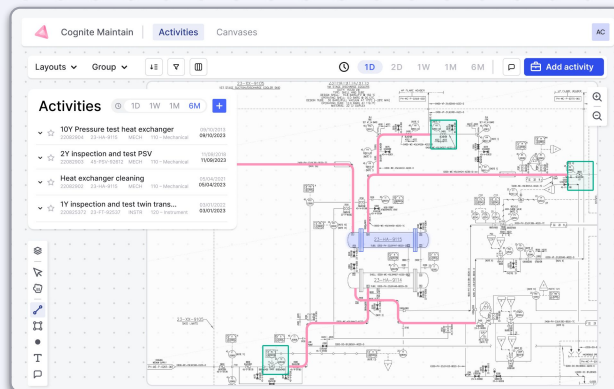
Repeat & Scale: Site and fleet-wide use cases

Digital Transformation “gets real” when it improves an operational workflow. But a successful PoC does not guarantee scaled adoption.

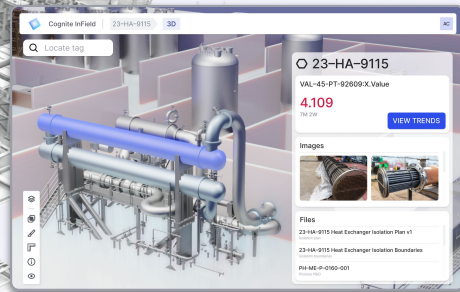
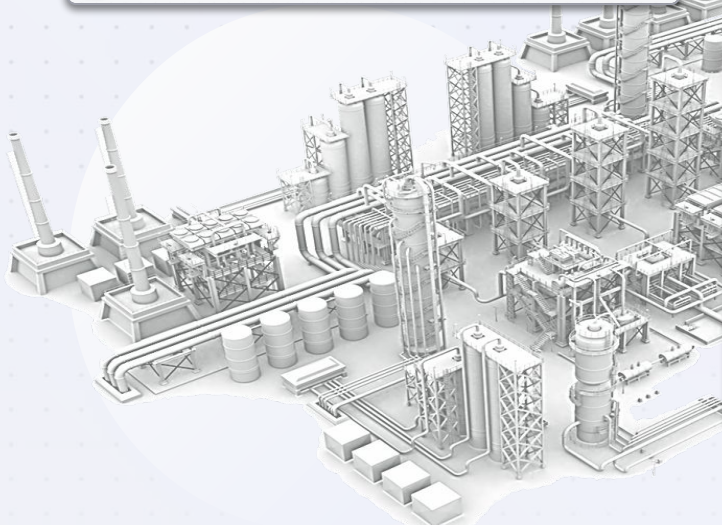
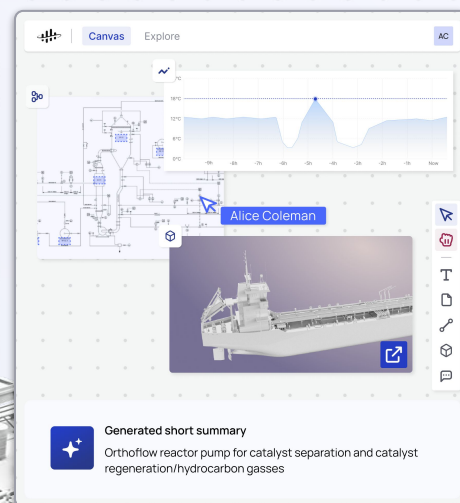
Key Success Factors:

- ✓ Domain-specific tools and templates for use cases like RCA, TAR, Maintenance Planning
- ✓ Automation to onboard and model data for new assets & sites, despite nuance and data variance
- ✓ Ability to dashboard and compare the performance of use cases across operations

Turnaround Planning



Root Cause Analysis



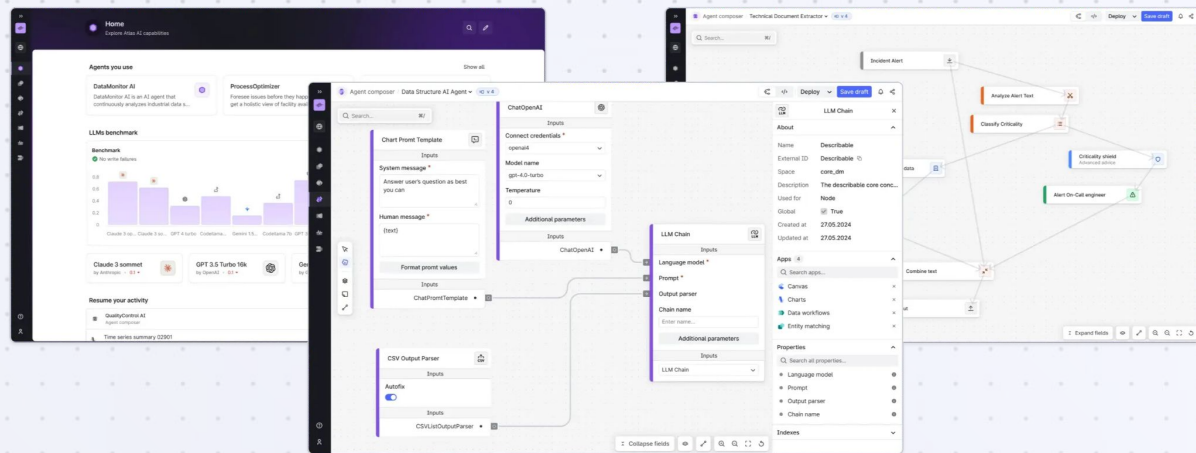
Maintenance Optimization

Deliver Autonomy: Orchestrated industrial AI agents

Whether you call it an agent or co-pilot, Gen AI increases productivity when given the right conditions, delivering up to 25% increase to EBIT.

Key Success Factors:

- ✓ Flexibility to deploy off-the-shelf agents or build-your-own with low-code workbench
- ✓ Ability to use your own curated, contextualized data sets to train agents in trusted & secure manner
- ✓ Regular LLM benchmarking and analysis to maximize performance for key use cases



Data Insight Agents

- Data onboarding and modeling
- P&ID Parsing
- Maintenance Planning

Use Case Agents

- TAR planning agent
- Flow simulation
- Production Optimization

Operational Agents

- What-if scenario planning
- Simulator Orchestration
- EPC Orchestration

These pillars are already unlocking **over \$1B** in customer value across Cognite customer groups

Top three value drivers



\$432m

Operations productivity



\$370 m

Asset reliability



\$50 m

Process optimization

Industries value breakdown



45%

Energy



26%

Manufacturing



21%

Power and utilities



Getting to value requires **industry-specific** capabilities

Equip future-proof data infrastructure & AI tools **built for operational requirements**

Cognite Data Fusion with Atlas AI™

Specialized industrial agents

Virtual employees tailored to automate complex industrial tasks

Root Cause Analysis agent

Data scientist agent

Maintenance specialist agent

OT data agent

Procedures agent

Event alarm enrichment agent

Unified industrial data in a single workspace

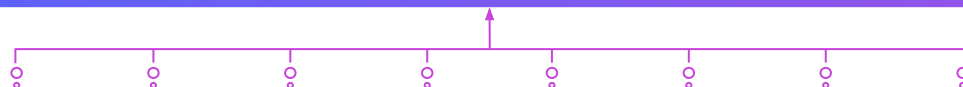
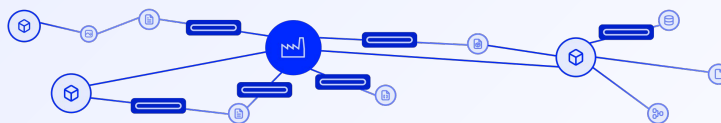
Industrial Data Search

Industrial Canvas

No-code Analytics

Industrial knowledge graph

Purpose build industrial data and AI platform



Data sources



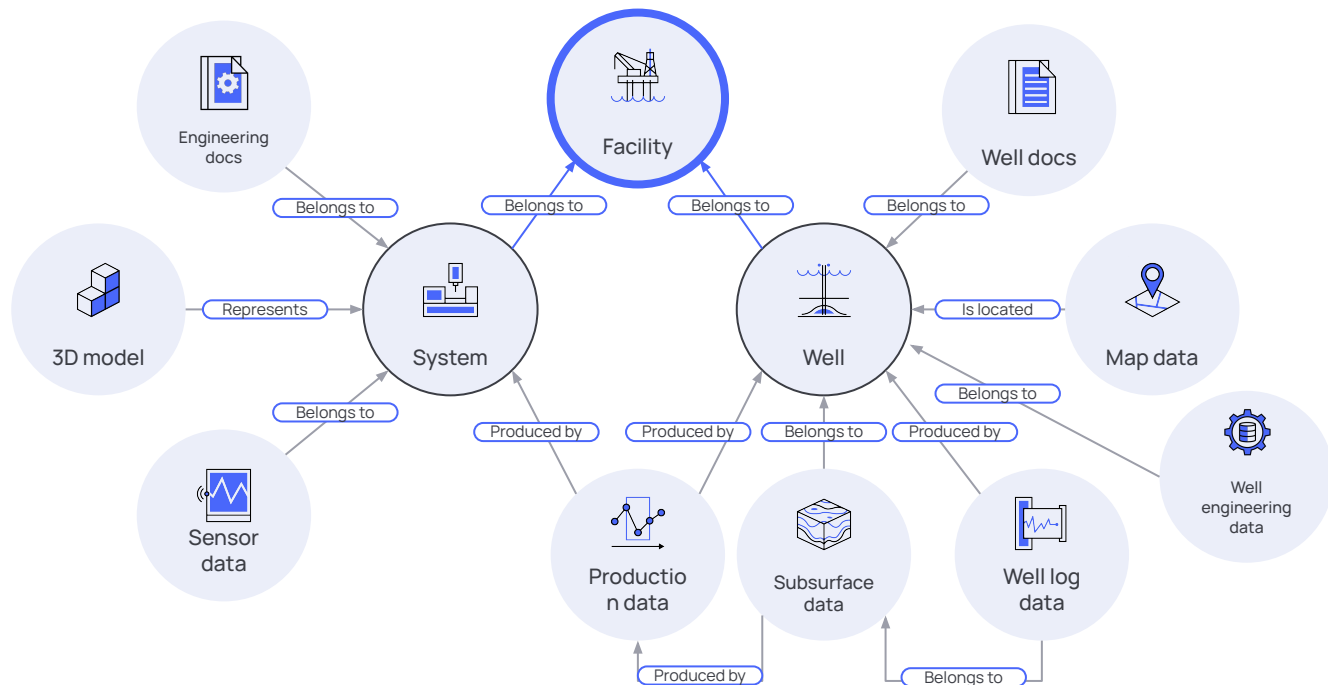
Cognite offers a proven framework and comprehensive technology for delivering AI success

Contextualized data at the core enables rapid scaling

Build, expand, maintain your **industrial knowledge graph** with less effort

Industrial data is inherently messy and requires a lot of effort to maintain with the high quality standards that operations teams depend on.

Today's **industrial knowledge graphs** use AI and other methods to populate, connect, update data in a self-sustaining manner that dramatically reduces impact on SMEs and enables affordable scaling.



Cognite is a leader in scaling industrial data contextualization with technology and algorithms

Digital progress **accelerates** with a portfolio of AI tools

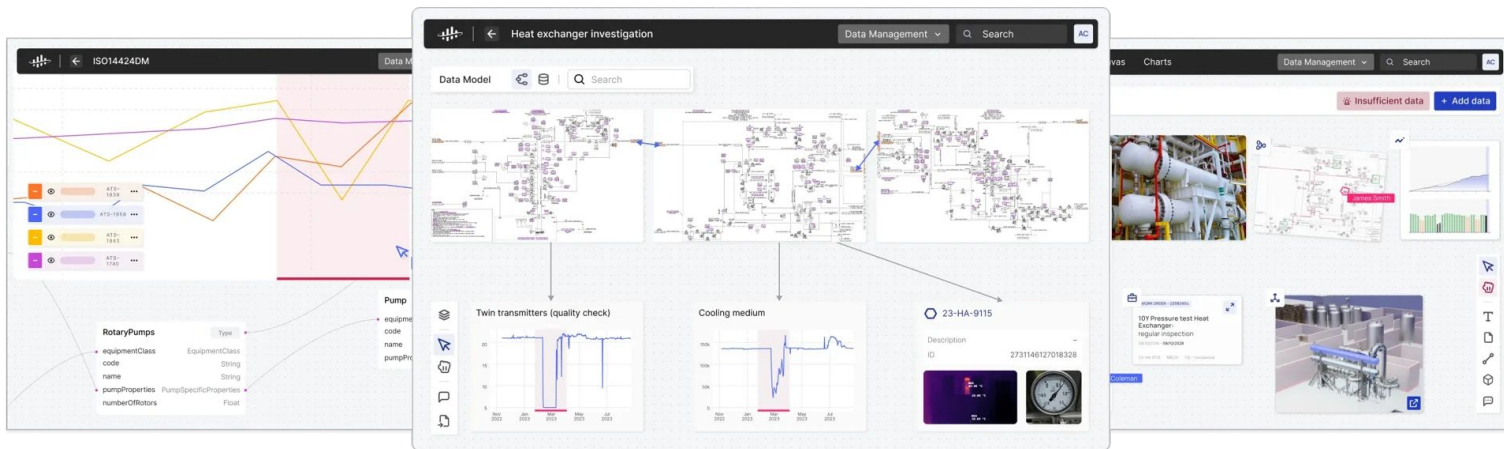
Leverage the **right industrial AI method** for the appropriate family of use cases

	Machine learning	Hybrid AI	Generative AI
Operational Use Cases	<ul style="list-style-type: none">■ Risk & Outage Prediction■ Monitoring and Decision Support		<ul style="list-style-type: none">■ Analysis & Summary■ Chatbot/Agent
Data Exploration	<ul style="list-style-type: none">■ Classification■ Segmentation	<ul style="list-style-type: none">■ Simulators	<ul style="list-style-type: none">■ Document Search■ Data Visualization
Data Integration	<ul style="list-style-type: none">■ Entity Matching■ Rules Creation	<ul style="list-style-type: none">■ Synthetic Data Generation	<ul style="list-style-type: none">■ Document Parsing■ Data Model Population

Cognite's rich industrial AI capabilities are embedded as features across our technology stack

Where to begin? The Cognite Data Fusion Quick Start.

A proven, prescriptive starting point that unlocks your data and select use cases to generate value in **90 days** while setting up the infrastructure required for autonomous industrial AI agents



Purpose-built for industrial data and users



Provides unified access to all IT, OT, and engineering data



Native connectivity to 80+ industrial data sources



Interactive user experience for all data



Ability to scale value rapidly across assets, use cases, and sites



Utilize generative AI for the search and summarization of information



Cross-organization collaboration and information sharing



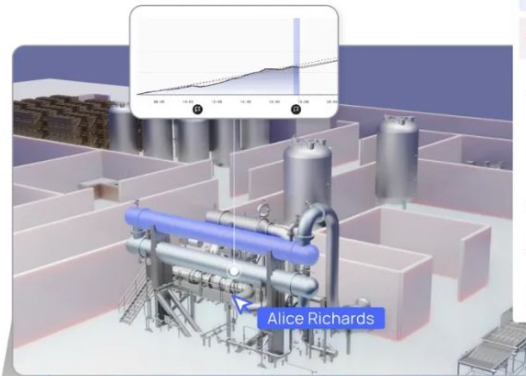
Packaged services that scale with your data sources

There's still time to get your **AI wins this year.** Let's get started...

Ready to enable simple access to complex industrial data and autonomous operations?

Visit cognite.com or email us at
contact@cognite.com to learn more about
our offering and get a personalized demo.

Contact Us



Industrial Software for Global Industry

Simple Access to Complex Industrial Data

Cognite is the fastest growing industrial SaaS company in the world

Key Partners:



Global Partnership in the Energy Industry



Global Partnership for Manufacturing



Global Alliance & Center of Excellence



Global ISV, PRACR, Marketplace



Google Cloud Partner; Technology Partner of the Year: Manufacturing



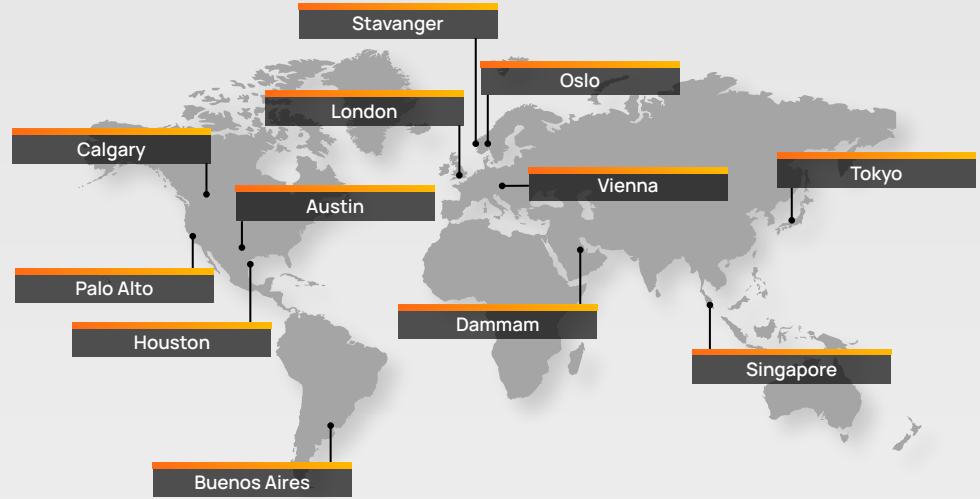
Long-term digitalization partner with 7.4% stake in Cognite



\$150M Series B (at \$1.6B) Redefining Modern industrial Data Management



\$75M Series A (at \$500M) To Accelerate Leadership in Industrial DataOps



Our Customers:

Energy	Manufacturing	Power & Renewables

Learn more about the key pillars of this industrial AI journey:

Simple
Access to
Complex
Data

Blog:
How to “Google” your
industrial data?

Blog:
3 Ways to Improve RCA
with an Industrial Canvas

Webinar:
How to go from data
search to scaled
use cases

Operational
Use Cases
at Scale

Blog:
What is contextualization
and why does it matter?

Webinar:
Data Contextualization
Master Class

Case Study:
How Celanese powers
their digitized plants

Orchestrated,
AI-enabled
Agents

Blog:
Demystifying Industrial AI
Agents

Blog:
How Knowledge graphs
enable data & AI

Page:
How to build
and deploy AI Agents