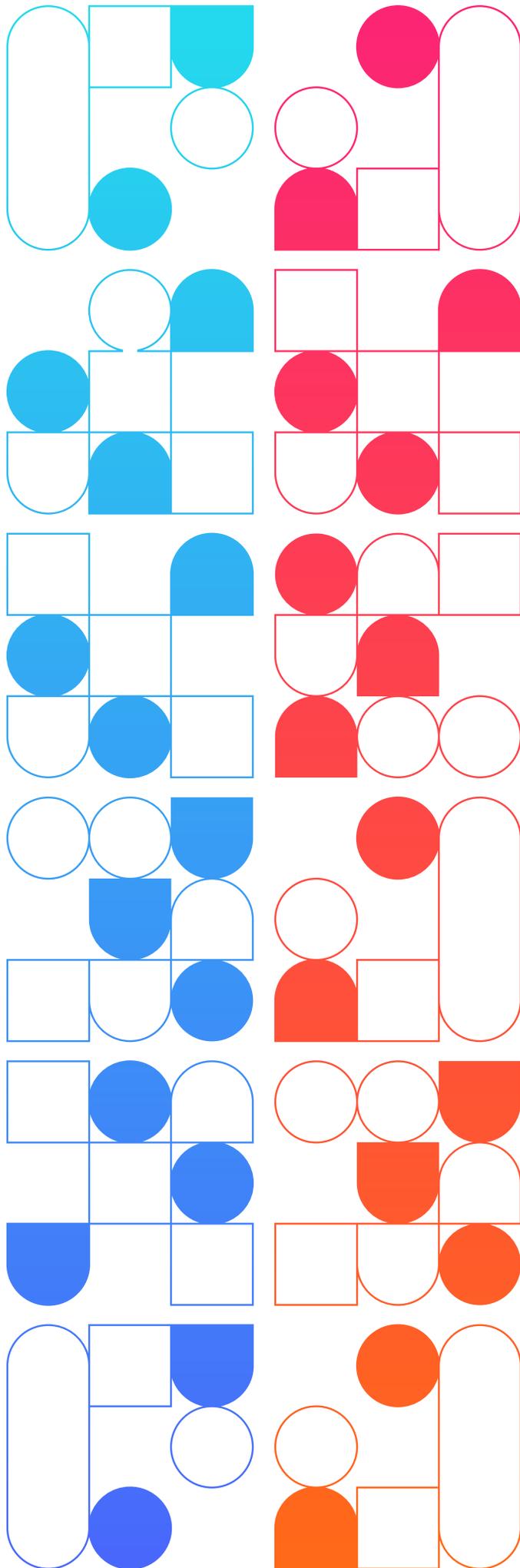


COGNITE



**Simple access to
complex industrial data**



**Accelerate your digital
roadmap by 10-25X**
*with Cognite Data Fusion[®],
the #1 DataOps software
built to solve the industrial
data problem.*



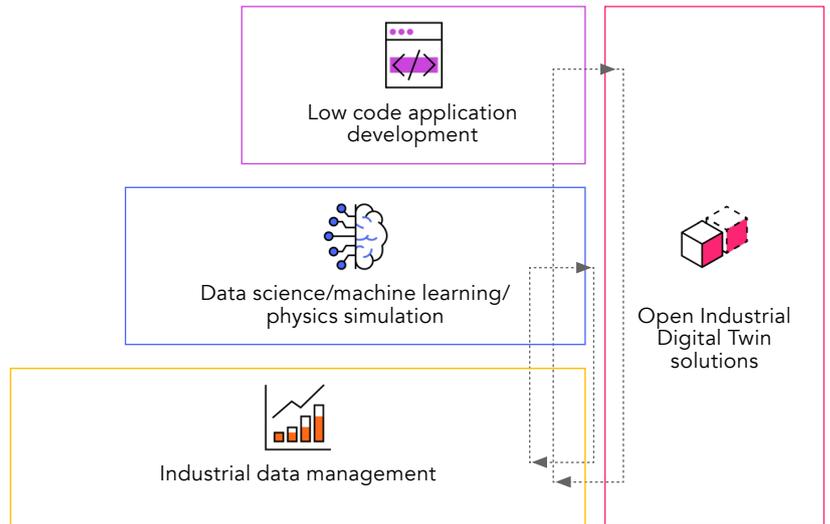


The first collaborative end-to-end data workbench for industry

Cognite Data Fusion®

It's time you had the right data tools in your modern digital technology stack.

Cognite Data Fusion® is the leading Industrial DataOps platform for data engineers, digital solution developers, and a growing number of data consumers—both human and machine—to sharpen and target your strategies for superior asset integrity, production, and safety decisions.



All your data. In Context. Solving operational challenges at scale.

 The screenshot shows the Cognite Data Fusion web interface. At the top, it says "Hello, welcome to your Cognite Data Fusion!". The main dashboard is divided into several sections:

- Solutions:** Displays "35 solutions" with a bar chart showing dates from 17/11/15 to 01/03/20. It includes metrics like "\$4M USD saved per week" and "249 / 250 runs successful".
- Digital twin:** Features a progress bar for "Making it smarter every second" at 80% done. It lists categories like "PERFECT MATCH" (80%), "NEEDS INPUT" (12%), and "UNCLEAR" (8%), along with counts for potential valves, wells, and other assets.
- Applications:** Shows "Production Optimization" at 100% and "Smart Maintenance" at 27%.
- Data management:** Lists "Data quality issues" such as "1 calculation failed" and "1 sensor drift detected".
- Data integrations:** Announces "The PI integration has added 240 new timeseries to your Digital Twin" and shows a "240 new timeseries" indicator.

 A central 3D graphic of a digital twin stack is overlaid on the dashboard, with lines connecting it to the various data points and sections.

Why Cognite Data Fusion®?

Digital transformation starts and succeeds with simple access to complex industrial data.



Industrial

Cognite Data Fusion® is built for industry, incorporating decades of domain expertise into software that is ready to use out-of-the-box and can be easily customized to your unique business process.

With Cognite Data Fusion®

- Leverage prebuilt data integrations to PI, OPC, and many other standard industrial sources.
- Enable faster use case development with Open Industrial Digital Twin
- Future-proof cloud and edge-based applications



Simple

Intuitive and user-friendly for a broad range of data stakeholders and collaborators, Cognite Data Fusion® offers unparalleled self-service data discovery, orchestration, and solution development.

Cognite Data Fusion® is:

- More efficient, manageable, and sustainable than DIY
- Interoperable with best-of-breed technology and no vendor lock-in
- A faster way to achieve digital maturity and enable robotics and automation.



Scalable

By enabling standardization, customization, and governance of data and solutions at scale, Cognite Data Fusion® excels at accelerating deployments and driving down the incremental costs of complexity at scale.

Cognite Data Fusion® delivers:

- Quicker scaling with reusable use case templates and data models.

Why Industrial DataOps?

Industrial DataOps accelerates digital maturity, enabling data teams to deliver better digital products and realise more operational value at scale.



Generic DataOps features

Development environments support

PowerBI, ODBC, SDKs, Spark, Jupyter plug-ins, low-code frameworks

Access control and sharing

The possibility to restrict and provide access to data sets and data kits

Versioning

Code, models, data, and pipelines need to be version controlled

Pipeline orchestration

The ability to build pipelines where one can reuse components

Data lineage

The ability to track dependency of data

Observability

The ability to inspect, monitor, and debug solutions in production



Industrial DataOps specialization features

Data type support

Native handling of time-series data, unstructured, and semi-structured data (e.g. P&IDs)

Industrial equipment and process data models and templates

Taking domain language. Scaling models from one to many

Live data access

The ability to work with live operational (OT) data

Model governance and time series data quality monitoring

Ensuring data completeness and use-case-specific quality requirements

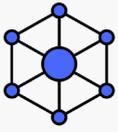
Data discovery

The ability for SMEs to self-service explore data in full operational systems context

Incorporating physics

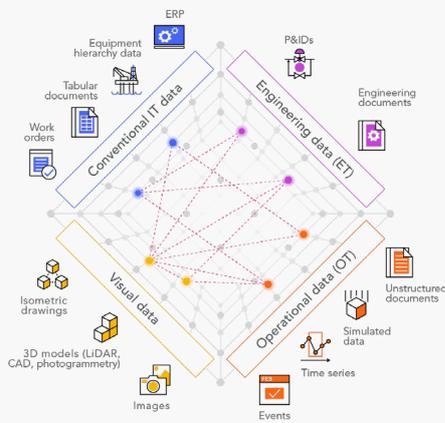
The possibility to use physical simulations as part of model pipelines

Key Features of Cognite Data Fusion®



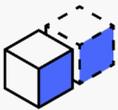
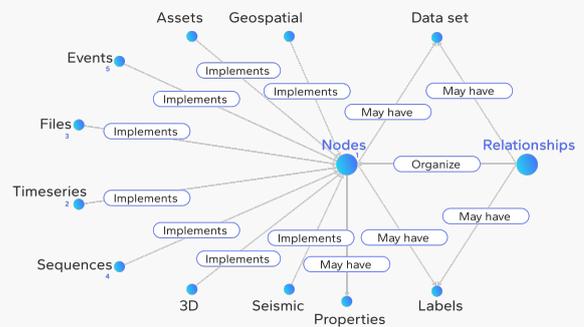
Data contextualization

Advanced contextualization tools let you combine machine learning with domain expertise to map a custom data model that makes data intuitively discoverable, understandable, and comparable independently of its origins.



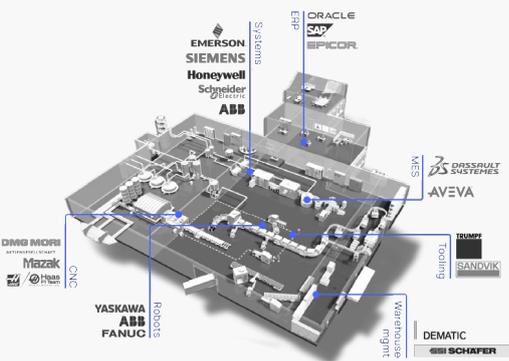
Industrial knowledge graph

Extract data relationships, capture interconnections, and trace data lifecycles in a flexible knowledge graph that adheres to industry data standards and digitally represents your operations.



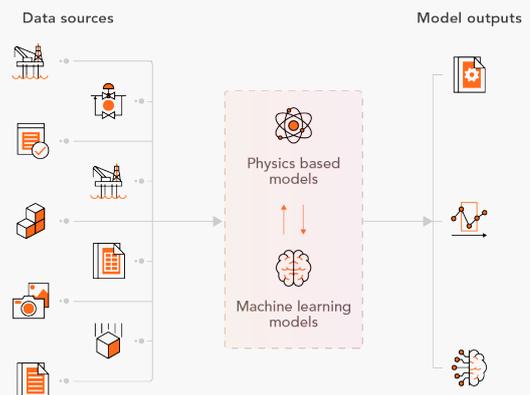
Industrial digital twin

By integrating live operational data from sensor networks with historical data, Cognite Data Fusion® provides an Open Industrial Digital Twin that delivers both real-time and complete historical data in one accessible GUI and API.



Hybrid AI

Deploy physics-guided machine learning for sensitive production use cases with a hybrid approach to artificial intelligence, combining the best of data-driven machine learning and physics-based modeling.



What can Cognite Data Fusion® do for you?

Cognite Data Fusion® enables a real-time Industrial Digital Twin of your entire operation. It makes data available, meaningful, and valuable with 300+ microservices, available through one platform, that accelerate the data journey from source system to end-user.

365%

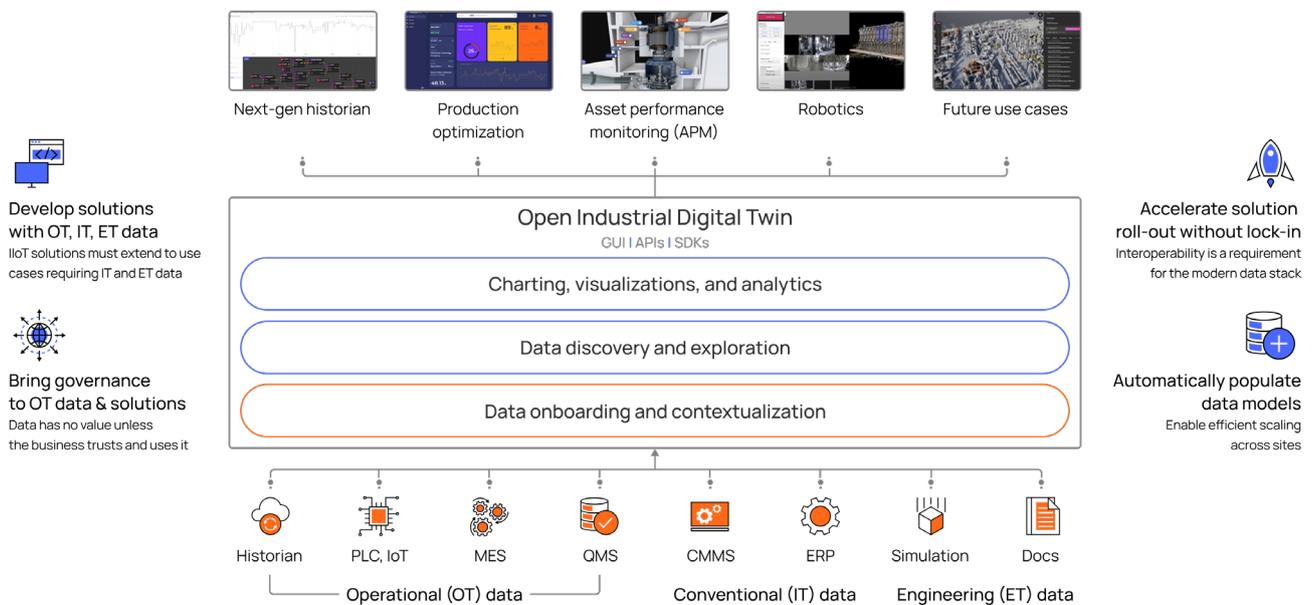
return on investment

70%

attributable productivity gain

\$24.8M

in business value over 3 years



7-12x

Find the right data 7-12x faster

Intuitively discover data from multiple IT/OT/ET sources through a single point of access

71%

Analytics ready data 71% faster

Use automation to contextualize and map relationships across your data sets and systems

10-25x

Faster solution deployment

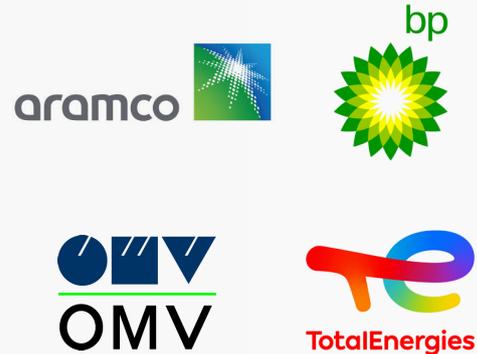
Scale quickly with out-of-the-box tools for domain experts and AI-populated application templates

The business value of Cognite Data Fusion®

Cognite Data Fusion® turns disparate data sources into an industrial digital twin that's usable by all domains and scalable across your enterprise. The digital twin makes operations more predictable, sustainable, and resilient.

Oil & Gas

- **90% less time** spent making sense of data through unique IT, OT, and ET data contextualization.
- **0.5-1.5% increase** in overall production throughput.
- **10-25 times faster** time to deploying solutions into live production.



Manufacturing



- **5-10% increase** in Overall Equipment Effectiveness (OEE) and asset utilization
- **5-10% fewer** production deviations
- **15-20% reduction** in energy consumption

Power & Utilities

- **Operationalize and control** IT, OT, and ET data at lower costs.
- **Reuse data** across multiple advanced analytics solutions.
- **Scale quickly** using templates and prebuilt app frameworks.



Industrial DataOps for Global Industry

Collect. Connect. Operationalize. Scale.

Cognite is a global industrial SaaS company that was established with one clear vision: to rapidly empower industrial companies with contextualized, trustworthy, and accessible data to help drive the full-scale digital transformation of asset-heavy industries around the world.

Our core Industrial DataOps platform, Cognite Data Fusion®, enables industrial data and domain users to collaborate quickly and safely to develop, operationalize, and scale industrial AI solutions and applications to deliver both profitability and sustainability.

 <p>Microsoft global ISV partner</p>	 <p>Global Alliance & Center of Excellence</p>	 <p>Global Partnership in the Energy Industry</p>	 <p>Global Partnership for Manufacturing</p>
 <p>\$150M series B (at \$1.6B) redefining modern industrial data management</p>	 <p>\$75M series A (at \$500M) to accelerate leadership in industrial DataOps</p>	 <p>Aramco acquires 7.4% stake in Cognite</p>	

Our customers

Oil & Gas	Manufacturing	Power & CleanTech
  	  	  
  	  	  
  	  	 
  	  	  
  	  	  
   	   	



Learn more about Cognite Data Fusion®

Cognite Data Fusion®, the leading Industrial DataOps software, makes asset data more accessible and meaningful to humans and machines, delivering trusted data and insights to unlock opportunities in real-time, reduce costs, and improve the integrity and sustainability of your operations.



Cognite Newsletter Signup

Sign up to receive Cognite's monthly newsletter



Cognite Hub

Cognite Hub is a community of customers, partners, and Cogniters, who come together to pool their unique expertise.

With diverse voices pitching in on problems, feature requests, and more, through Cognite Hub we build, deploy, and scale products that are solving some of the world's biggest industrial problems.



Contact

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