



Cognite Data Fusion: The Industrial DataOps Platform for Global Industry

Companies need to optimize production, improve product quality, and reduce unplanned downtime by generating more value from their data. Cognite Data Fusion® is addressing the most difficult industrial data challenges to provide open, contextualized data for organizations.

What is DataOps and why it matters

“DataOps is the ability to enable solutions, develop data products, and activate data for business value across all technology tiers from infrastructure to experience.”

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Industrial data challenges

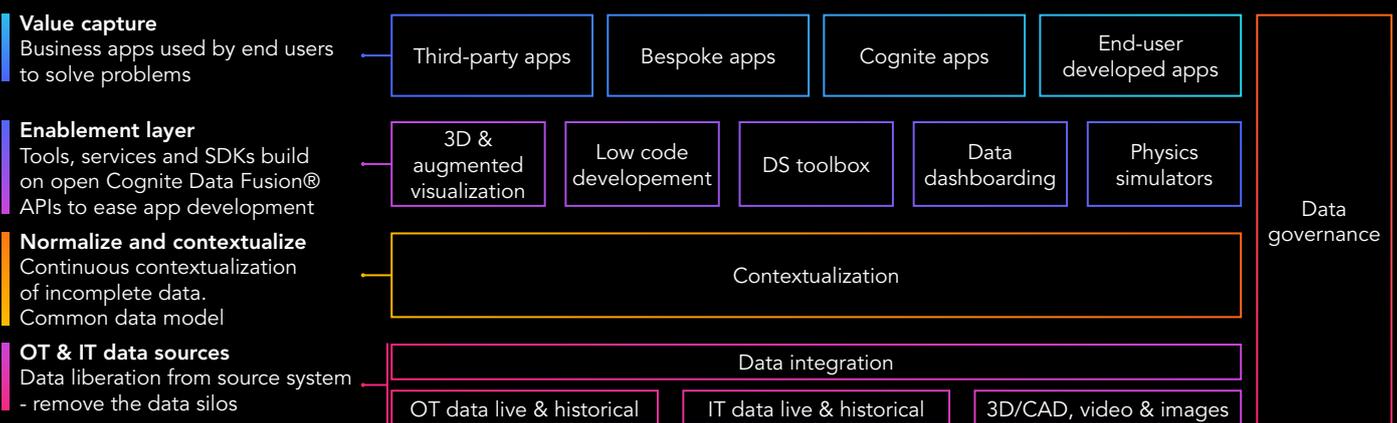
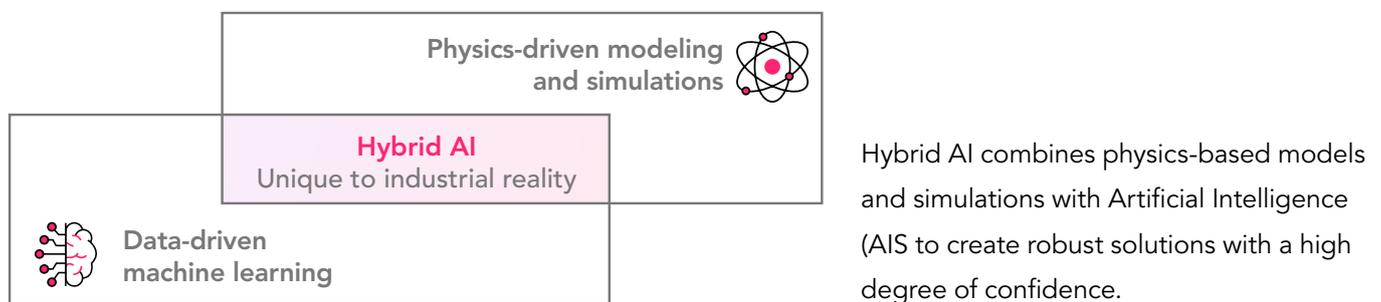
Cognite Data Fusion (CDF) provides DataOps at scale for industry, making industrial data accessible, understandable, and useful for data scientists and developers. CDF unlocks use cases for industrial data by providing:

 <h3>Data in context</h3> <p>The machine learning contextualization services in Cognite Data Fusion® create relationships between siloed data such as time series, ERP and work orders, tabular data, IoT logs, events, 3D, and photogrammetry.</p>	 <h3>Open application architecture</h3> <p>Open standards enable easy integration with widely adopted applications and developer tools.</p> <p>Developer-friendly SDKs and APIs further enhance connectivity.</p> 	 <h3>Known data quality</h3> <p>Manage data quality on a use case basis to ensure recommended actions are valid and trustworthy.</p> <p>Use prebuilt rules and create new rules with an available logic engine as needed.</p>
 <h3>Scalable data model</h3> <p>Use templates to scale successful proofs of concept across an entire class of equipment or assets.</p> <p>Reuse the contextualized data model to solve many use cases from the same model.</p>	 <h3>Live data access</h3> <p>Combine live operational (OT) data with simulation or historical data to create hybrid AI models that can address use cases in production optimization or quality.</p>	 <h3>Complete data spectrum</h3> <p>Integrate and contextualize unstructured data to enhance asset and process visibility:</p> <ul style="list-style-type: none"> ■ Robotics to support monitoring and inspection ■ Computer vision managing environmental conditions ■ Digitize analog signals to support data models

Cognite Data Fusion® benefits

- Expand the breadth of applications and accelerate development time with a robust data model
- Operational data foundation enabling digital twin
- Empower internal development teams with self-service open APIs & SDKs
- Democratizes embedded subject-matter expertise with data access and contextualization
- Combine your organization knowledge with Cognite's domain talent and proven partner network

Cognite Data Fusion® enables hybrid AI



Complete application portfolio

In addition to integration with common 3rd party applications, Cognite has also built application frameworks design for industrial use cases such as production optimization, smart maintenance, workforce enablement, and sustainability.

Domain talent to ensure business success

No two industrial sites are the same. Our team of domain experts, solution architects, and value engineers provide the support needed to offer scalable, sustainable software that fits into your existing ecosystem.

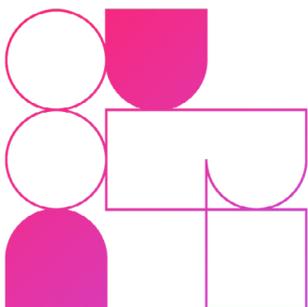
What we do:

- Reduce project risk by quantifying project value upfront and create a roadmap to successful ROI.
- Provide out-of-the-box functionality for teams to quickly develop solutions and reduce time to value.
- Empower our customers to develop and scale use cases by using automating services to maintain solutions.
- Ensure product adoption by building use cases into existing workflows and applications.

Industrial DataOps & contextualization

With so much value potential in applying advanced analytics, AI, and ML, and integrated and contextualized industrial data architecture has become increasingly necessary. Industrial data operations is required to serve data consumers in a dynamic, scalable, and repeatable way.

Cognite Data Fusion® was built to serve the industrial data environment by providing the OT and IT data contextualization services to build and scale use cases for production optimization, product quality, and asset performance. Alongside our proven technology, Cognite and our team of partners will also provide technical and domain expertise. Our organization is built to ensure our customers meet their business objectives and have a partner to rely on throughout this journey.



↳ Get started today and realize value by the end of the next quarter. — info@cognite.com