



Cognite Remote

Make the vision of unmanned platforms and installations a reality

Industrial Asset Integrity Management (AIM) — Remote at Scale

Asset lifetime and reliability are key priorities for safe, sustainable, and profitable operations. To maximize the assets' value while reducing unplanned maintenance and repair costs, the new reality is shaped: remote integrity operations. That new reality is sustainable only with trustworthy, actionable data. All stakeholders must have a reliable and unified asset integrity understanding at every stage of the asset life cycle.

Cognite Remote provides a secure environment to locate, navigate, and understand contextualized data from multiple sources and conduct asset management at scale. Powered by a dynamic, high-fidelity 3D digital twin, the application makes the vision of unmanned platforms and installations a reality.

Enterprise-Wide Assets and Processes in an Operational Digital Twin

Cognite Remote is an AIM SaaS solution for remote operations. The application provides a framework for interacting with comprehensive 3D visualizations of assets, fields, processes, and data.

Different access-level operators and teams can work independently in Cognite Remote. With server-side rendering, users can run the application and conduct sharing sessions anywhere. Using a tablet device or Microsoft HoloLens 2, operators in the field can view augmented reality elements overlaid on physical assets and work orders for operations or training needs.

Cognite Remote works seamlessly with other architectures via open APIs and SDKs, complementing existing data science, application development, and BI frameworks.



REMOTE ROBOTICS DATA CAPTURE



PLANNING MODE IN POINT CLOUD DATA



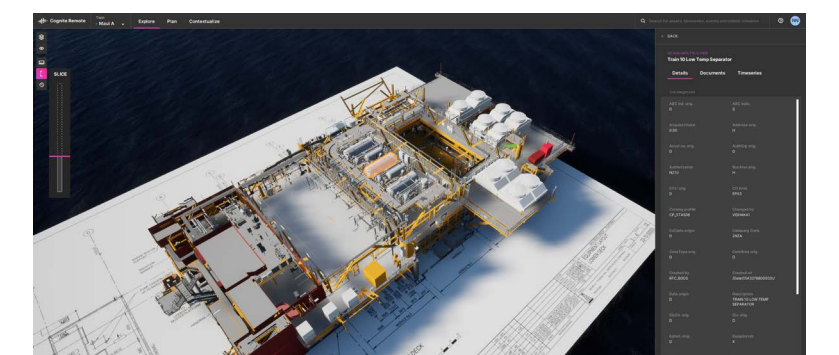
360 IMAGE VISUALIZATION WITH MARKUPS



TIME SERIES



COMPUTER VISION



CAD MODEL WITH LAYOUT DRAWINGS

Global Heavy-Asset Industry Leaders Report Early Benefits

Cost savings

- CAPEX cut by 25-50%
- OPEX cut by 50-80%
- Up to \$90M in annual cost savings solely based on reducing onshore headcount

Efficiency gains

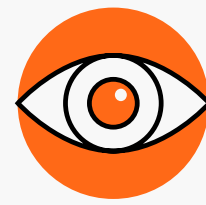
- Faster execution, higher quality of asset integrity tasks
- Asset data availability improved by more than 97%

Distributed collaboration & remote training

- Collaborative work and training sessions
- Insights and artifacts available in the field via mobile apps and AR

Long-term sustainability

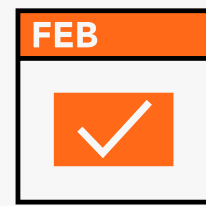
- Reduced environmental footprint and HSE exposure
- Reduced human exposure to confined spaces and potentially dangerous working conditions



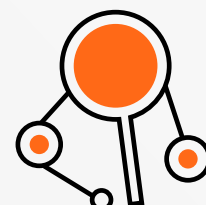
Automated inspections with computer vision: use pretrained and custom deep learning models to assess the immediate condition of the asset and highlight risks.



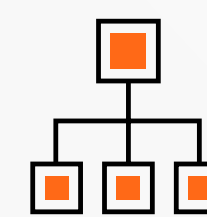
Physics simulators for full context: capture the dynamics of interacting assets and environmental elements in a highly accurate and data-efficient manner to predict, control, and plan.



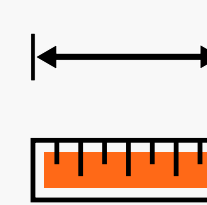
Activity planning: generate, edit, and access active and historical work orders.



Search and navigation: quickly locate any asset or equipment and seamlessly navigate through the field.



Layers and filtering: enable detailed and configurable access for different permission levels.



Measure and adjust: measure distances and volumes directly in the live digital twin. Fine-tune with the material and object library and twin configurator.



Create and update 3D models: build 3D models using photogrammetry, and expand their potential by combining imagery data with geospatial metadata.

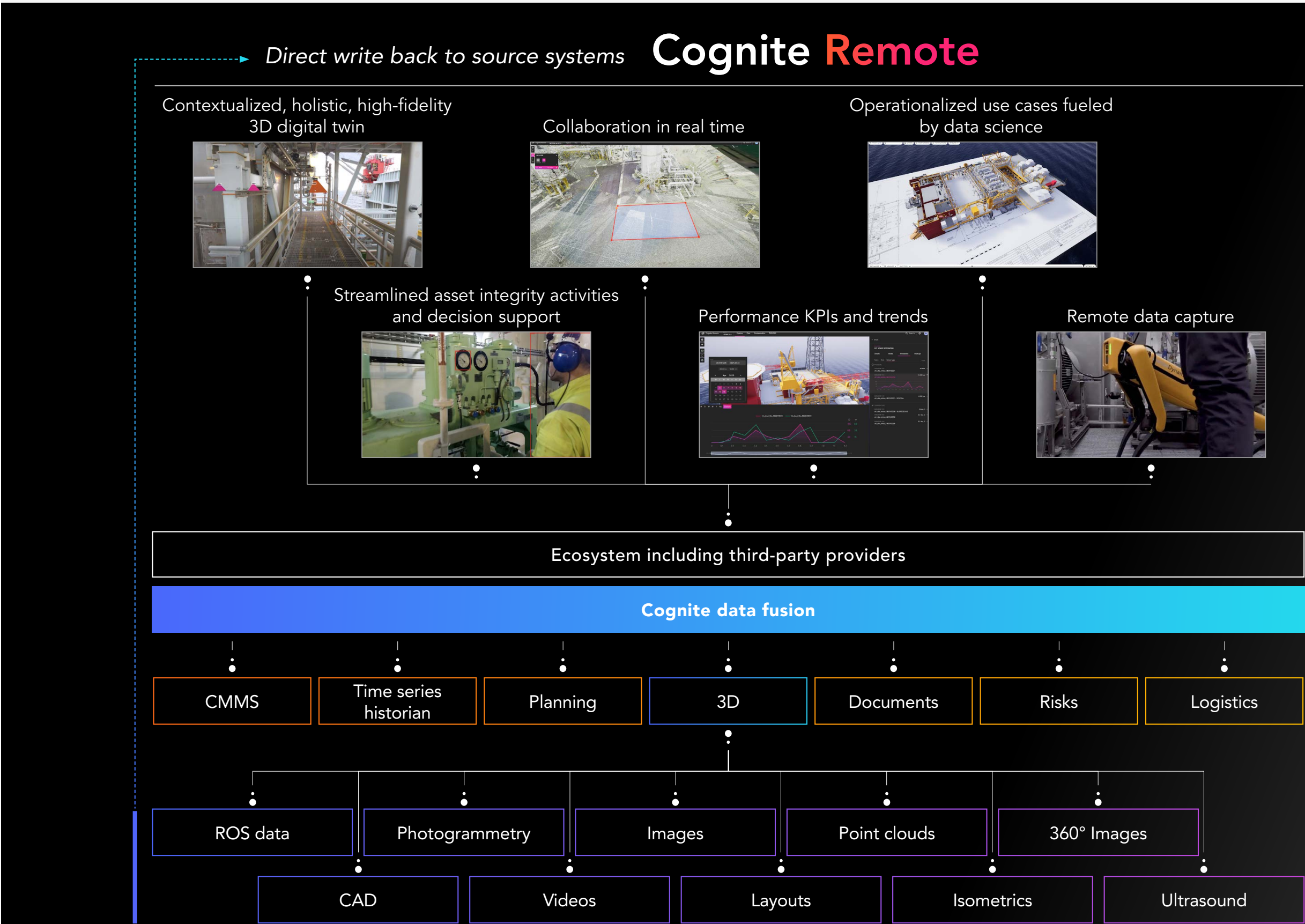
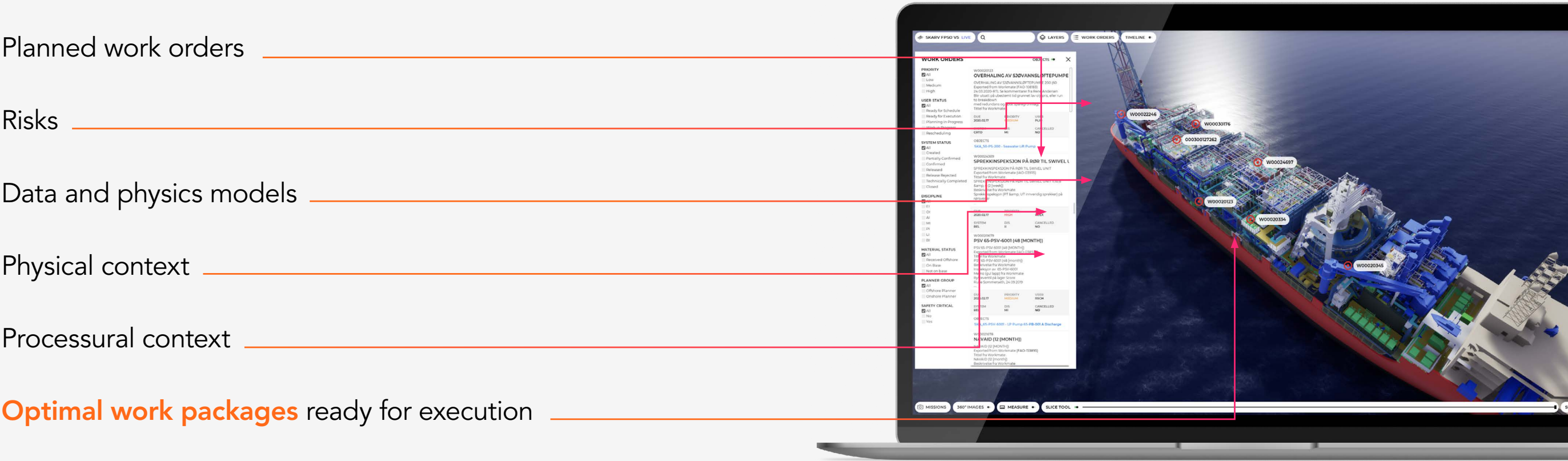


Remote data capture: easily set up remote human and robotic data capture missions, and ingest and contextualize the data effortlessly.

All Cognite Industry Applications rely on a single source of truth: Cognite Data Fusion

Cognite Data Fusion removes the complexity of siloed IT and OT source systems and incorporates industrial domain knowledge into your data fabric, providing access to trustworthy contextualized data for better business decisions. Cognite Data Fusion delivers industrial DataOps.

- Aggregates and contextualizes big data from robotics and all available IT and OT data sources.
- Empowers data scientist, engineering, domain expert, and analyst workflows.
- Enables operationalization and scaling of digital applications with open integrations (APIs/SDKs).
- Ensures data quality and lineage throughout the development pipeline and into the end application.



All About Cognite



Our Company

Cognite is one of the fastest-growing software providers in the field of industrial digitalization. With 350 employees from more than 40 different countries, our interdisciplinary team combines world-class software competence and deep domain expertise. Cognite's offices include Oslo and Stavanger, Norway; Austin and Houston, Texas; Palo Alto, California; Tokyo, Japan; Vienna, Austria; Singapore; Dammam.

Cognite was founded to enable heavy-asset industries to generate value from their digital transformations by overcoming the obstacles

of data trapped in silos, data type disconnectedness, data quality variance, the chasm between proof-of-concept and production (business value), the rigidity and slowness of legacy software development approaches, and the limited ability to leverage pre-existing data logic and flows.

Our Mission

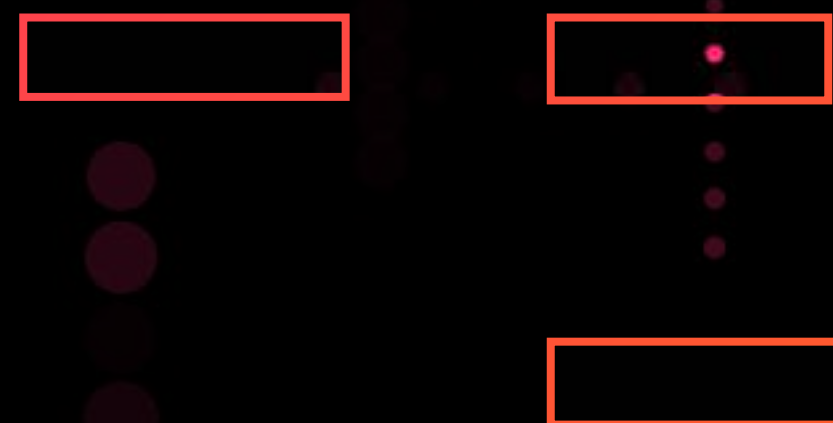
At Cognite, we make industrial data more valuable than ever. Empowering users with contextualized data as a service, delivering industrial AI at scale to unlock the power and value of your data.

The key to industrial digitalization lies in data liberation. Heavy-asset industries already have data. Now they need software to collect, clean, and put it to use. A resource to transform the data into information and stimulate a thriving ecosystem of industrial applications.

Embrace change and take control of your industrial transformation opportunity today. Empower your industrial data consumers to build, operationalize, and scale both models and applications with Cognite Data Fusion, the leading industrial DataOps software.



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