



Google Cloud Cortex Framework for Manufacturing

Get more from your data, faster. Blend IT and OT, optimize operations, unlock AI-driven automation, and intensify your focus on sustainability.



Overcome operational challenges

Address top challenges and opportunities

Address your top-of-mind operational challenges by establishing a platform that drives alignment.



Get better insights into your factory

Drive better decision-making and create a more flexible manufacturing approach.



Avoid “pilot purgatory”

Stop relying on vertically integrated use cases that do not scale well.



Solve IT/OT misalignment

Combine your operational data sources and ERP sources with a unified platform.



Achieve greater operational efficiency and sustainability

Drive operational improvements utilizing actionable plant performance insights.

Solution highlights and foundation

Your complete data and AI platform

The Google Cloud Cortex Framework Foundation includes predefined BigQuery data models, a data mesh, and predefined data integration connectors and pipelines. It works alongside the Manufacturing Data Engine and Manufacturing Connect to empower your operations.



Connect

Utilize connectors to rapidly onboard your data.



Accelerate

Leverage deployable business content to get started fast.



Innovate

Drive new insights and innovation from one centralized data foundation.



Scale

Benefit from an extensible, future-proof investment ready for partner extensions and new scenarios.

Strategic manufacturing accelerators

Solving for strategic manufacturing use cases

The Cortex Framework provides accelerator examples designed to solve strategic manufacturing challenges.



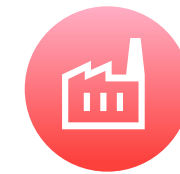
Factory analytics

Integrate factory floor insights to better inform your operational decision-making.



Overall equipment effectiveness (OEE)

Improve manufacturing operations using real-time OEE.



Machine Level Anomaly Detection

Implement advanced anomaly detection capabilities at the machine level.

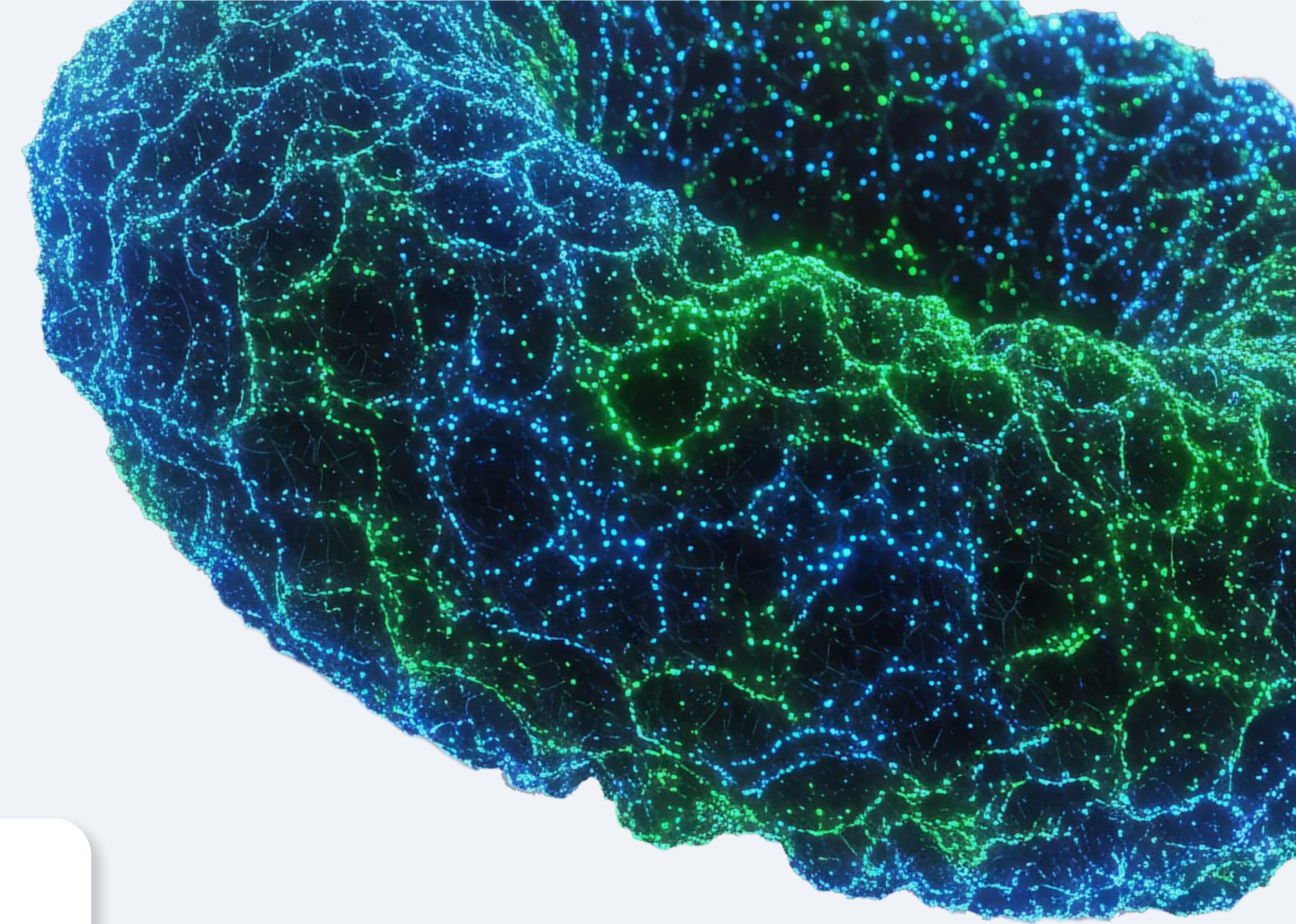


Partner Integrated Plant Maintenance

Leverage partner-integrated solutions for robust plant maintenance.

Why Google Cloud Cortex Framework?

Speed, impact, and cost savings



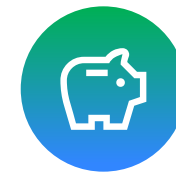
Faster implementation

Enterprises can show productivity gains quickly through fast implementations or out-of-the-box solutions.



Illustrate value quickly

With CXO leaders under pressure to show cost efficiencies, these solutions can help yield savings fast.



Minimal outlay

Solutions require minimal upfront investments or implementation costs.

How to get started

Start driving value today

Learn more



Deploy Cortex Framework solutions

Get started at cloud.google.com/solutions/manufacturing-data-engine.



Prove the value with your data

Deploy our predefined use cases and customize them for your own needs.



Engage with our experts

Our teams are happy to assist and share everything that you need to be successful.



Explore our network of endorsed partners and services

Fast-track your deployments using partner solutions built with the Cortex Framework.