



# CONNECT



EXPERIENCE THE CONNECT EFFECT

## CONNECT visualization

Visualize industrial data in the cloud using self-service and pre-defined dashboards

If you could view regional or global operations performance from end to end, what might you uncover? What if you could enhance strategic visibility by converging engineering, operations, and business data in context? Imagine how deploying a flexible browser software environment that enables virtual teams and delivers decision insight to many users could streamline your operations.



## Purpose-built enterprise visualization

With the rise of remote working and talent shortages, industrial enterprises have shifted their focus to virtual competency. Many organizations are assembling expert teams to investigate, resolve, and recommend actions for facilities they may never visit in person. These teams require diverse skills and data sets to come together in a collaborative environment and achieve goals that drive value across operations, including:

- Improving asset reliability
- Increasing asset utilization
- Monitoring energy and reducing energy waste
- Improving production rates and material usage
- Prioritizing health and safety

How can an organization structure and contextualize information to get relevant data to the appropriate expert no matter where that person is located?

Achieving this orchestrated collaboration at speed and scale requires gathering data from many siloed sources and federating it into a unifying information system. This system would ideally include production and engineering information, data governance, modeling, analytics, benchmarking, and a highly detailed presentation layer for customizable visualization.

Enterprise visualization provides complete visibility into many facilities and systems, merging models and data. It also lets virtual experts access and view different information based on their role. Enterprise visualization is critical to expediting decisions and increasing the overall agility of an organization. These systems rely on trusted digital threads connecting assets, data, devices, people, and locations into a common data structure. The more digital threads that exist, the more insights and value can be uncovered.

Ultimately, the solution also enables organizations to achieve transparency across their corporate operational landscape, empowering organizations to unlock new efficiencies.



## Composable dashboards in a browser

Through CONNECT, users access preconfigured and customizable content from a library that can be linked to their stored data in CONNECT data services.

Rich tools enable those users to create dashboards for multiple use cases and role-based needs, allowing them to visualize processes and other information through their organization's operations context. CONNECT lets users:

- Enable mass accessibility and decision insight for industrial data
- Organize industrial assets and data in ways that enable teams to drive action quickly
- Enhance strategic visibility by converging engineering, operations, and business data in context
- View global or regional operations KPIs and analytics from end to end
- Supplement analyses using a digital intellect to expedite investigations into data, assets, events, and documentation
- Easily define and deploy flexible browser-based dashboards by role and use case

### At a glance

Two dashboard types:

- Self-service – user-created views from a default content library
- Pre-defined – engineered views providing a more structured and interactive visualization experience

Craft many dashboards for different use cases and data visualization needs.

Incorporate data from both CONNECT data services, applications and third-party sources.

Assemble lists of assets and previously associated content for an easy, tailored review process.

Quickly find and summarize information with Industrial AI Assistant, a generative AI tool.

Manage user permissions and access by visualization type and individual dashboard.



## Two dashboard types for content visualization

Self-service dashboards are user-created experiences built from an included content library. These dashboards give users the flexibility to address unique data visualization needs and investigate root causes.

Pre-defined dashboards are engineered views that provide a more structured and interactive visual experience focused on tracking an understood perspective with a consistent visualization.

## Operations, engineering, and business data

Data is provisioned from CONNECT data services, applications and third-party sources to populate dashboards with charts, graphics, and other visual information.

## Organize and share

Build lists of assets and previously associated content for easy sharing with other users. Organize content and manage user permissions by visualization type and individual dashboard.

## Craft dashboards for every need

Users can create dashboards for many different use cases and data visualization needs, including for specific roles, with a unique flexibility for surfacing industrial information.

## Strategic analysis for remote and virtual teams

Increase collaboration between operations analysis teams for improved knowledge-sharing and information access. Simplify the task of finding, trending and summarizing data using generative AI.



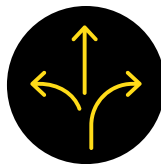
Bring together data sources and data types from across your organization



Break down information silos and empower remote teams



Contain and normalize the scale and complexity of your data



Move from reactive mitigation to proactive assessment



Increase information awareness across groups



Benefit from the power of collective intelligence

# Self-service visualization

## Editable dashboards

Assemble the number and style of dashboards needed to display relevant information for different roles and scenarios.

## No-code experience

Point, click, and configure removes barriers to adoption for users of every skill level.

## Search for content

Use the search bar to find data, assets, and other content. Use filters to help narrow search results.

## Adjustable historical view

Show data from the past hour, past 12 hours, today, yesterday, the past three days, the past seven days, and the past 30 days.

## Responsive interface

The browser application conforms to the browser space available on the device, including a standard desktop/laptop, tablet, and/or phone.

## Organize and share displays

Name, save, and link dashboards to specific assets. Retain for personal use or share with the broader team.

### Library of regularly expanding list of configurable content types:

- Industrial graphic
- Column chart
- Data grid
- Line chart
- Pie chart
- Status board
- Summary chart
- X-Y plot
- 3D viewer
- Point cloud viewer
- Doc viewer
- Relationship explorer
- Relationship viewer
- Report viewer
- Asset properties
- Equipment status
- Multi-asset analysis
- Multi-asset utilization timeline
- OEE KPI
- OEE KPI analysis
- OEE KPI trend
- Production summary
- Utilization & Production trend
- Utilization summary
- Utilization time analysis
- Utilization time summary

# Industrial AI Assistant

Industrial AI Assistant is a generative AI tool to quickly find and summarize information by asking a digital intellect natural language queries through a chat interface.

- Identifies related information using intended meaning, not exact keywords
- Finds 1D, 2D and 3D content and summarizes data within documents
- Citations show the data source and value of responses
- Uses current user's profile for Information visibility
- Enables queries across different applications and data types
- Background processing of linked knowledge
- Never trained using customer data



# Pre-defined visualization

(Coming soon)

## Rich and complex interactions

Engineered views providing a more structured and interactive visualization experience.

## Flexibility to design what you want

Deeply customizable environment allows unlimited choice in design, color schemes, menu interactions, and content mix.

## Complete 360-degree view

Visualize any combination of process metrics, maintenance analytics, engineering documentation, financial performance, or anything in between.

## CONNECT data services and third-party data sources

Data is provisioned from CONNECT and third-party sources to populate dashboards with information.



# Enhance strategic visibility with enterprise visualization





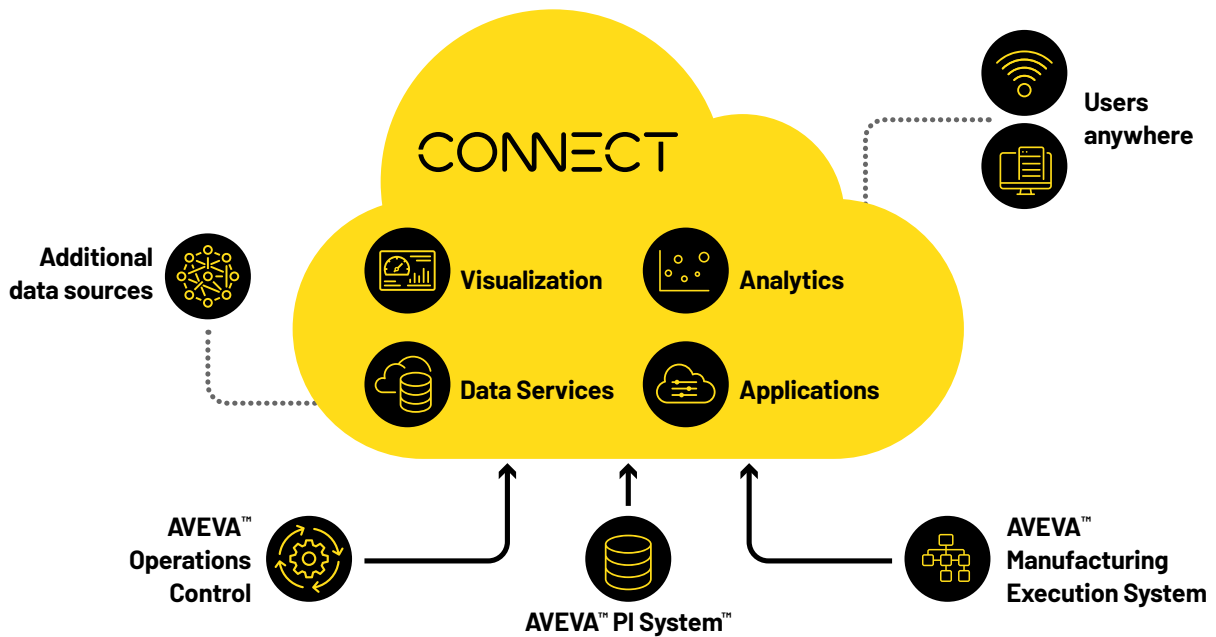
## Use cases

### Enabling remote operations center experts

Experienced groups forming a remote operations center tasked with driving performance, coordinating operations, or responding to issues that are escalated by site-based personnel or automated notification systems.

### Virtual user accessibility

Executive, strategic analyst, and third-party use case emphasizing independent interaction and analysis of operations activities, KPIs, and associated information for decision support.



To learn more about CONNECT, visit: [connect.aveva.com](https://connect.aveva.com) ▶

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