

21 OCT 2025

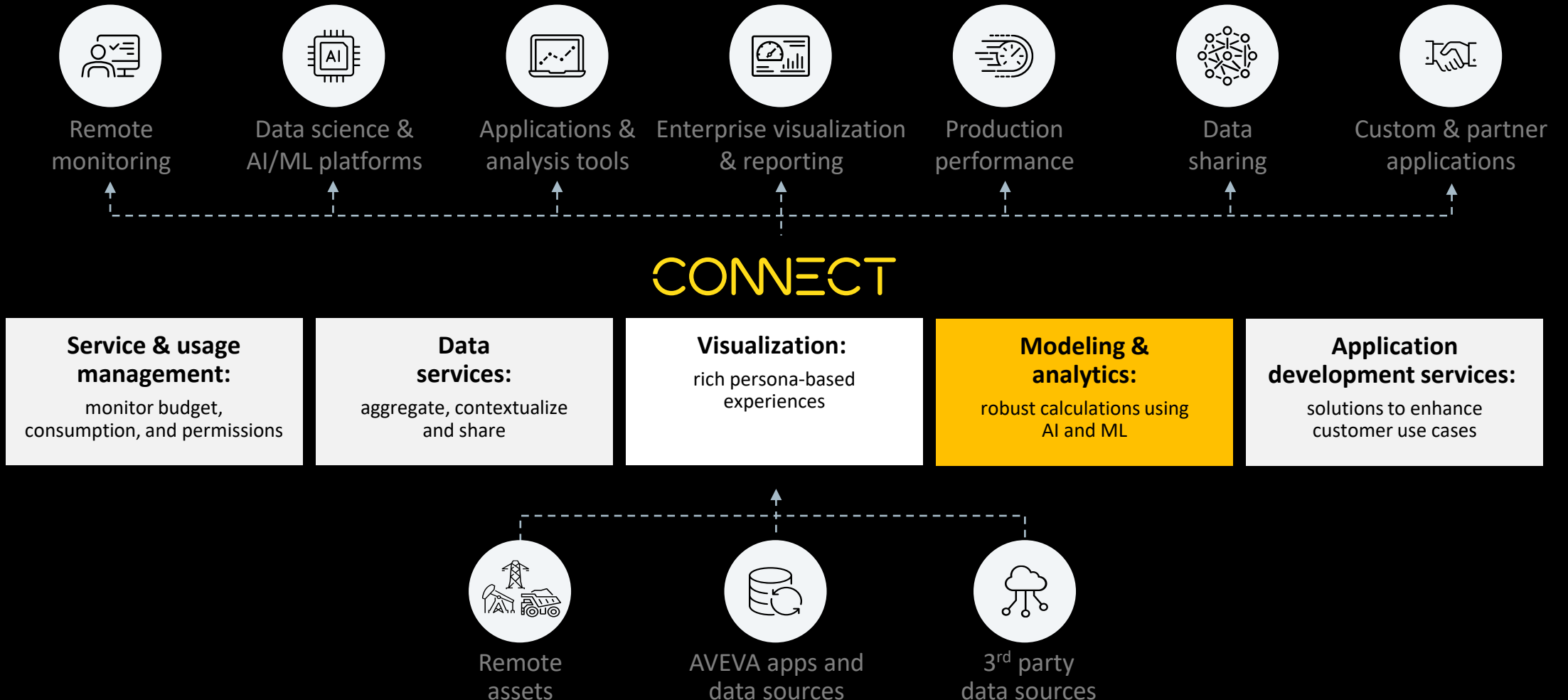
The power of Industrial AI

Accelerate your operations with connected and scalable industrial AI

Rob Kambach

CONNECT, our industrial intelligence platform

Open and neutral, providing rich data insights for your unified industrial ecosystem

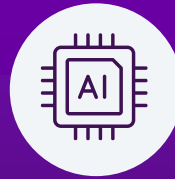


Industrial AI: The power shift that redefines industry norms

Real-world outcomes drives measurable value across the lifecycle



100% clash free
designs



Optimized quality,
10% material savings



4.6%
Energy reduction

Why is Industrial AI rising?



Data explosion



Fast moving markets



Innovation drives relevance



Enterprise-wide value creation



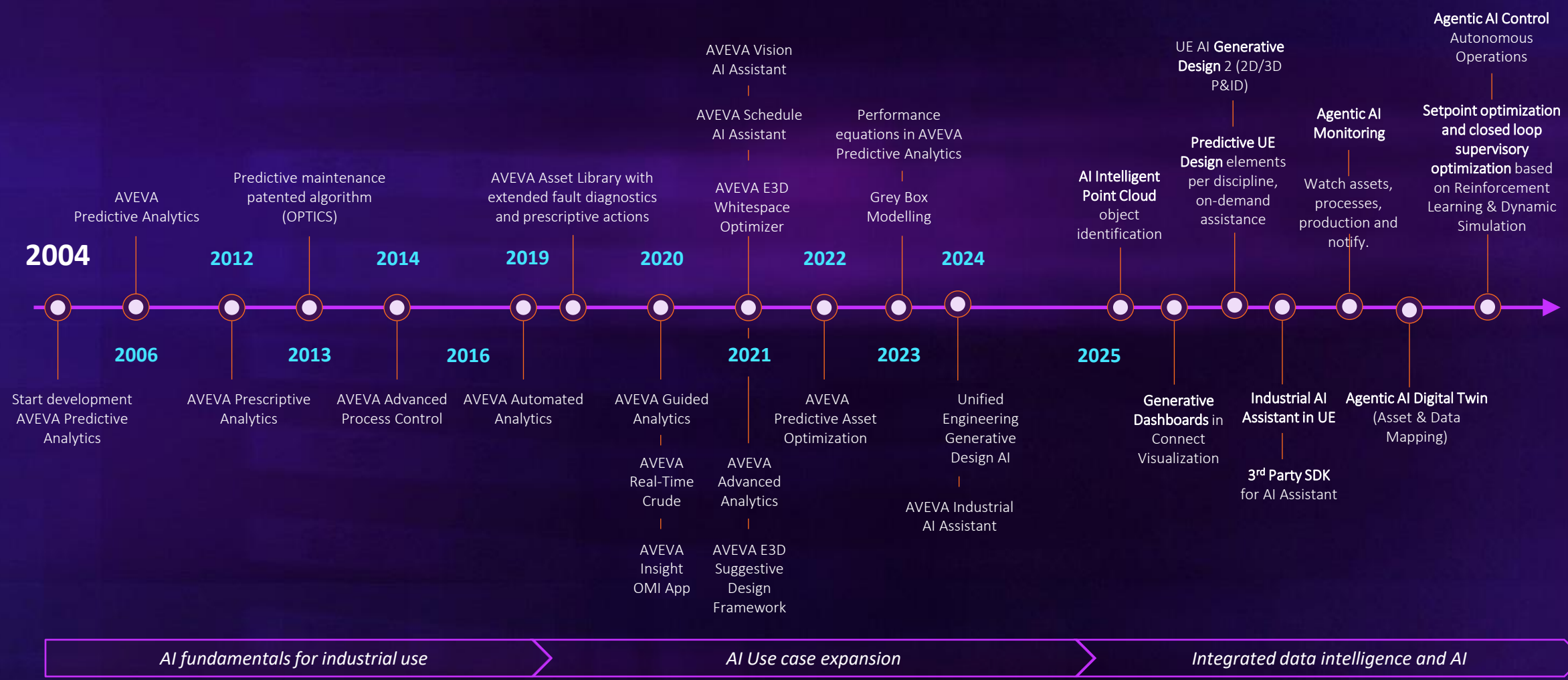
Workforce challenges and skill gaps



Net zero journey



Decades of expertise driving innovation in Industrial AI



Keeping pace in the age of intelligent industries



Data as a strategic asset



AI integration into core operations



Energy efficiency and decarbonization



AI Assistants empower teams with insight and guidance



Faster, more confident decisions



Integrated AI at AVEVA

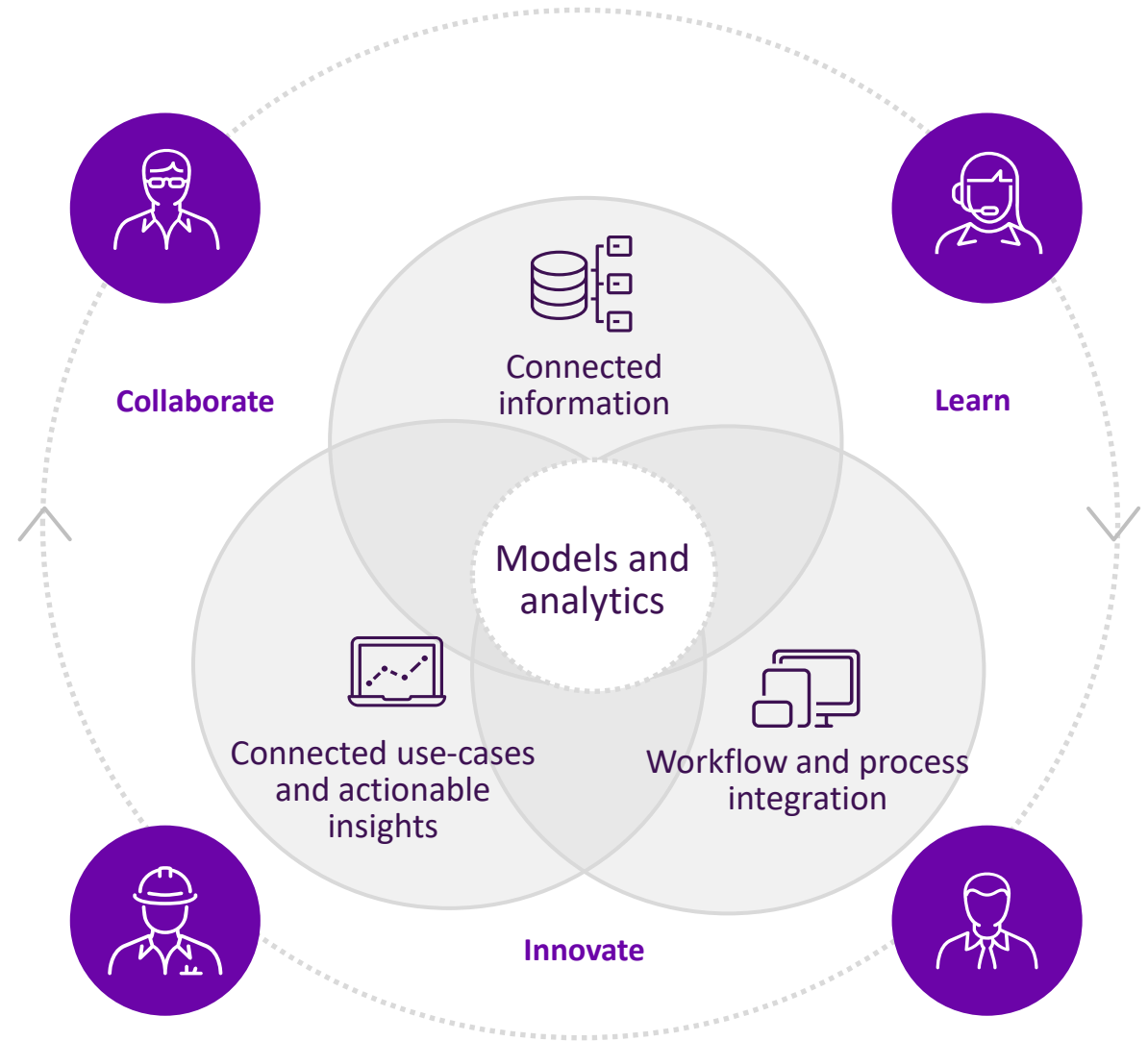
Stay ahead with faster, smarter AI adoption

Accelerate transformation:

- Integrate data effortlessly
- Unlock insights faster

Reduce implementation risk:

- Connect data, AI and expertise
- Integrate directly into workflows and processes





Industrial AI Assistant

Bringing it all together

Industrial AI Assistant

Natural language interface
to your data in CONNECT

Natural language interface

LB Lori Brossard-Warda 8:17:42 am

can you tell me the output of hornsea for yesterday

Industrial Assistant 8:18:03 am

Based on the available data, here is the output for the Hornsea assets for yesterday:

1. [Hornsea Green Hydrogen Plant A:](#)

- Current (ETAP): 711.84
- Power Factor (ETAP): -81.95
- Frequency (ETAP): 50
- Voltage (ETAP): 9.88
- MW (ETAP): 9.98
- MVAR (ETAP): 6.98

Content search & summarization

LB Lori Brossard-Warda 8:26:49 am

what are the temperatures of GE07

Industrial Assistant 8:27:26 am

The current temperatures for various components of turbine [GE07](#) are as follows:

- Bearing Shaft Temperature: 71.32°C
- Gearbox Bearing A Temperature: 71.84°C
- Tower Base 1 Temperature: 6.65°C
- External Oil Heater Temperature: 56.83°C
- Generator Cooling Air Temperature: 20.70°C
- Gearbox Temperature: 69.57°C
- Gearbox Bearing B Temperature: 71.62°C
- Generator 1 Temperature: 46.78°C

Citations show work (transparency & traceability)

Tags (9)

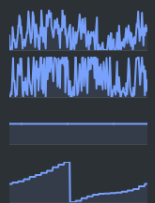
Input	GE07 temperature 1 Days
Result	GE07.Bearing Shaft Temperature GE07.External Oil Heater Temperature GE07.Gearbox Bearing A Temperature GE07.Gearbox Bearing B Temperature GE07.Gearbox Temperature GE07.Generator 1 Temperature GE07.Generator Cooling Air Temperature GE07.Tower Base 1 Temperature GE07.Tower Base 2 Temperature

Generate dashboards & charts inline

These values provide a snapshot of the current performance and capacity of the Hornsea Wind Farm. If you need more detailed information or further analysis, please let me know!

[Show Data Details](#)

CURRENT VALUE	
Active Power	8,947.8 kilowatt
Expected Power	6,216.3 kilowatt
Turbine Installed Capacity	31,500 kilowatt
Daily Energy	61.831 megawatt hour



Industrial AI Assistant

Leveraging the power of Generative AI in CONNECT

Integrate the power of Generative AI with your industrial data.

Quickly find and summarize information by asking a digital intellect natural language queries through a chat interface.

Fast onboarding to supplement SMEs and non-SMEs.

Model is never trained using data from the customer's account.

What are the bearing and nacelle temperatures for GE07

The screenshot shows a chat interface with a dark background. At the top, a user message from 'Lori Brossard-Warda' (LB) asks: 'what has been the wind velocity at hornsea wind farm this week'. The timestamp is 10:28:22 am. Below this, the 'Industrial Assistant' responds with a timestamp of 10:28:38 am. The response includes a title 'Wind Velocity Data at [Hornsea Wind Farm](#) for This Week', a summary paragraph, and a list of wind speed metrics. At the bottom, there is a text input field with the placeholder 'Enter your message...' and a 'Send' button.

Wind Velocity Data at [Hornsea Wind Farm](#) for This Week

Based on the available data, here are the relevant metrics for wind velocity at the Hornsea Wind Farm over the past week:

1. Wind Speed:

- Current Value: 5.55 meters per second (m/s)
- Minimum: 2.32 m/s
- Maximum: 18.69 m/s
- Average: 8.64 m/s

Summary

The wind speed at Hornsea Wind Farm this week has varied significantly, with a minimum of 2.32 m/s and a maximum of 18.69 m/s. The average wind speed over the week has been 8.64 m/s. This data indicates that the wind conditions have been quite variable, which is typical for offshore wind farms.

If you need more specific details or further analysis, please let me know!

Was the temperature for my bearing higher this week or last week?

Do I have a dashboard on utilization?

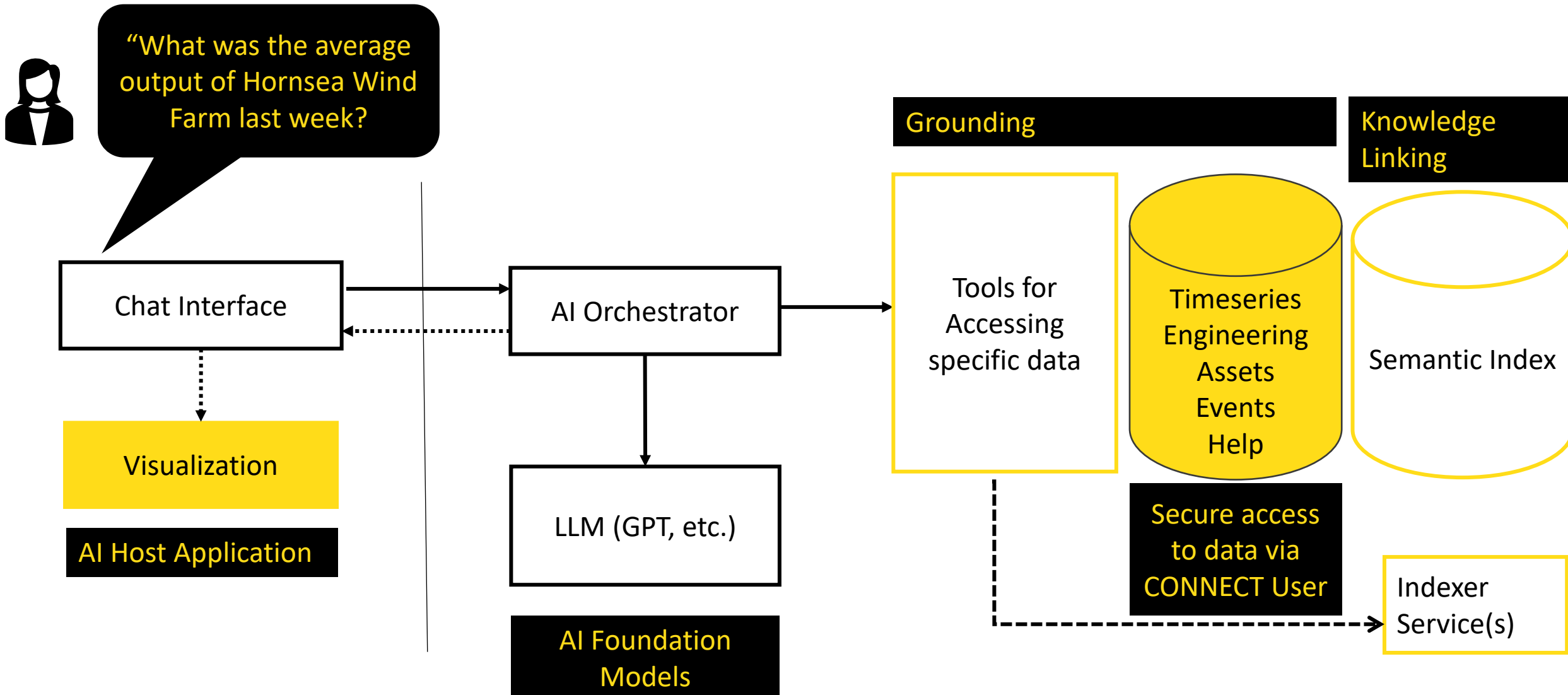
Do I have any stoppage events in Hornsea Wind Farm for the last 24 hours?

Does the document provide guidance on maintenance activities for high bearing temperature?

Do we have a 3D Model for Hornsea Wind Farm?

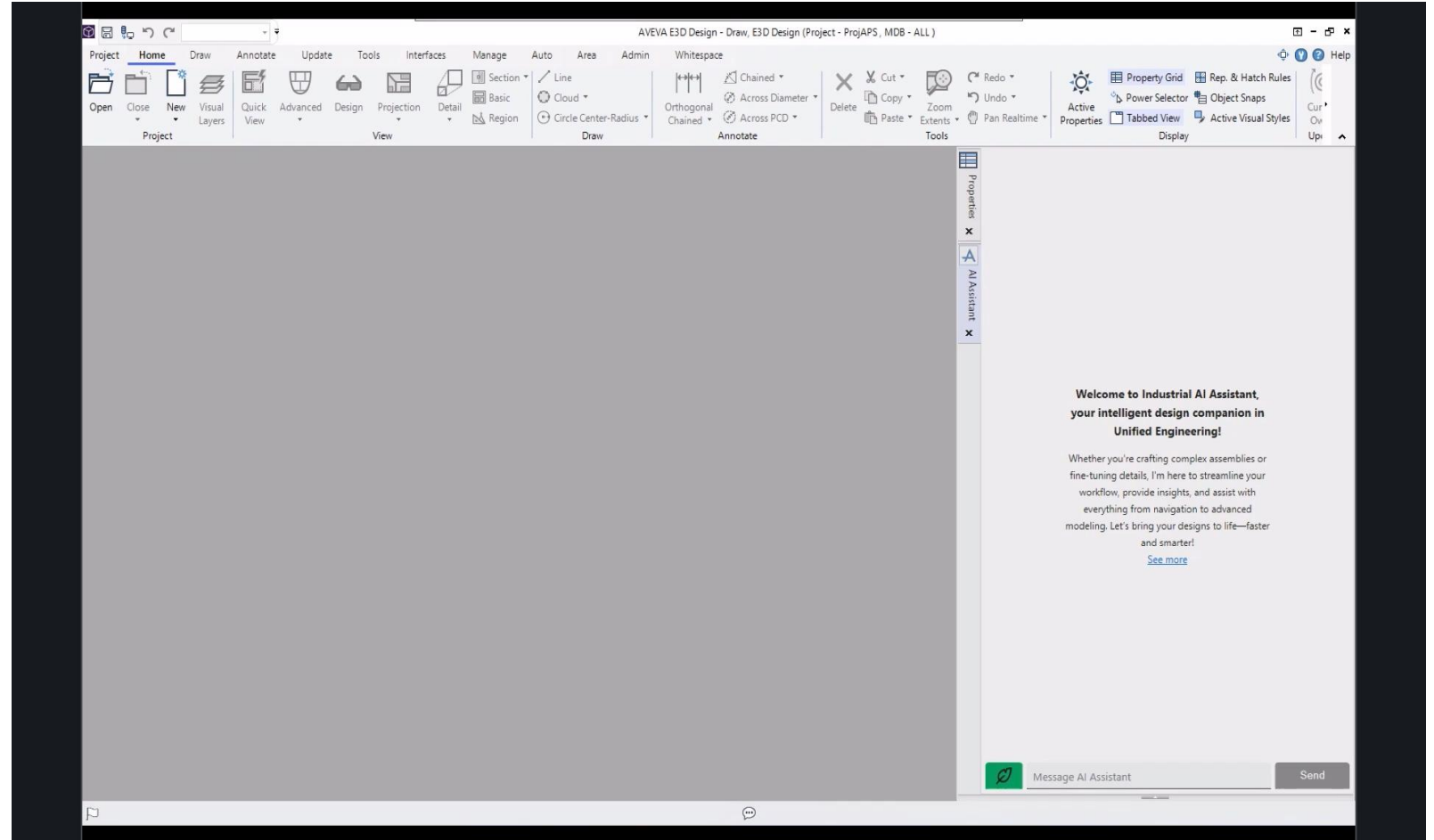
Do I have a trend for GE01 output?

Industrial AI Assistant Architecture

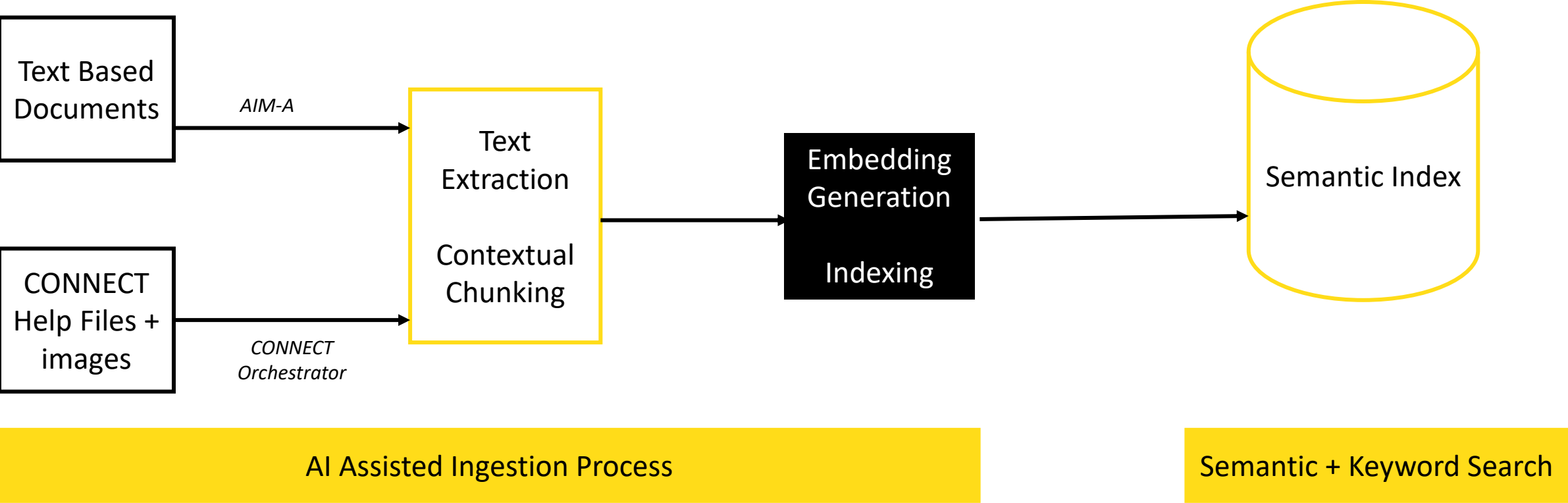


Industrial AI Assistant: guided help

- Receive targeted help and learning through interactive
- Adapt how industrial software tools are learned and used.
- Improve engineering Productivity and experience.
- Reduce onboarding time.
- Direct-action assistance: “Do it for me”



Deep dive into Document Ingestion



Industrial AI Assistant: document query

The screenshot displays the 'CONNECT' Industrial AI Assistant interface. On the left is a navigation sidebar with options: Home, Browse, Create, Configure, Query Builder, and Recently Viewed. The main dashboard area is titled 'Get started below' and includes a search bar for assets, streams, or saved visualizations. Below the search bar are three summary cards: 'ASSETS' with 612 items, 'STREAMS' with 2,527 items, and 'VISUALIZATIONS' with 272 items. Further down, there are tabs for 'Experiences', 'Visualizations', and 'Favorites'. Two featured items are shown: 'GE01 Turbine Image' (540 views, modified 9/10/2024 7:37 AM) and 'Yorkshire Wind Farm Output' (354 views, modified 9/10/2024 7:38 AM). On the right, a chat window titled 'Industrial AI Assistant (Preview)' is open, showing a conversation with 'Hi Lori Brossard-Warda. How can I help you?'. Below the chat history are three suggested prompts: 'What can you help me with?', 'How are some of my operations performing?', and 'What are some assets in this system?'. At the bottom of the chat window is a text input field 'Enter your message...' and a 'Send' button.

- Find content with all indexed documents and get a nicely formatted summary
- Find content within a specific document and get a summary

Trustworthy AI, built for your operations

Guardrails

- **Clear instructions** guide the AI to deliver responses that are transparent, helpful, and aligned with your goals.
- When data is unavailable, the AI acknowledges it, **avoiding speculation** or fabricated answers.
- Built-in logic checks help maintain **response accuracy and quality**.

Grounding

- Every answer is **traceable** to a known source, so you can validate the insight.
- The AI works with your real data and systems, **no assumptions** when facts are missing.

Security/ Property

- The AI follows your existing **access controls** with no additional setup.
- Your data **is never stored or reused**. Each prompt is securely discarded after it's processed.

Industrial AI Assistant: generating visualizations

CONNECT

Home

Browse >

Create >

Configure >

Recently Viewed >

Get started below

Use our powerful search to quickly view asset information, KPIs, and sophisticated analysis.

Search for assets, data or saved content

ASSETS
606

TAGS
4,240

CONTENT
266

Applications | **Content** | Favorites

GE01 Turbine Image
510 views
Modified: 9/10/2024 7:37 AM
lori.warda@aveva.com

Yorkshire Wind Farm Out...
351 views
Modified: 9/10/2024 7:38 AM
lori.warda@aveva.com

GE07 Turbine Image
300 views
Modified: 9/10/2024 7:38 AM
lori.warda@aveva.com

GE01-Utilization

G01 Turbine Current Mec...

Homsea Wind Farm-Turb...

Industrial AI Assistant (Preview)

Advanced Mode

Industrial Assistant 1:43:18 pm

Hi Lori Brossard-Warda. How can I help you?

What can you help me with?

How are some of my operations performing?

What are some assets in this system?

Enter your message... Send

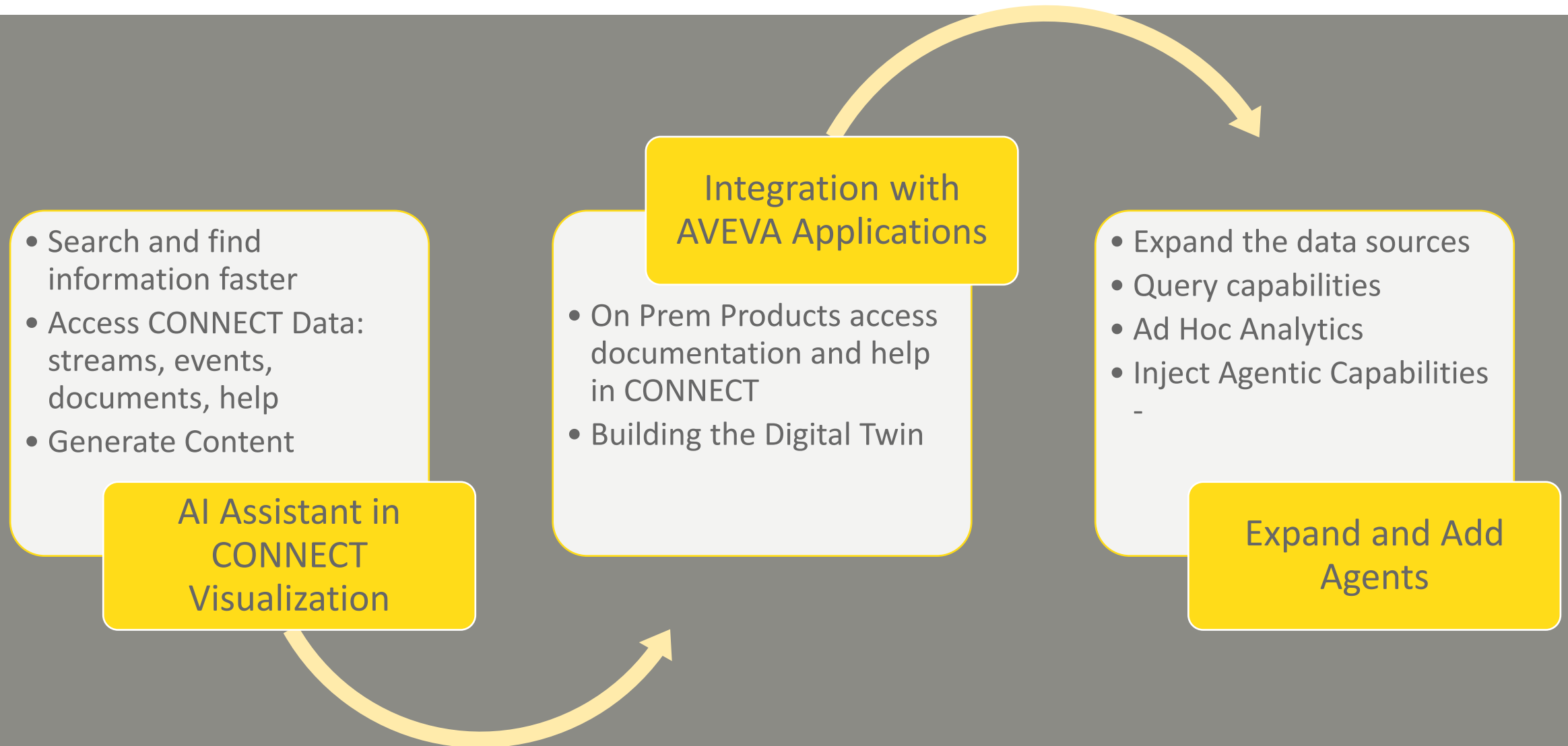
0 / 500

- Save time and clicks by using natural language to create visualizations
- Initially, will be very explicitly – create a visualization with a line chart that shows the temperature data from GE01
- Expanding to more implicit requests – create a visualization highlighting the operating conditions at GE01
- Extending the learning and capability to other products / solutions

Full Demo



AVEVA Approach to Generative AI



Industrial AI Assistant Release Plan /Roadmap

Available now

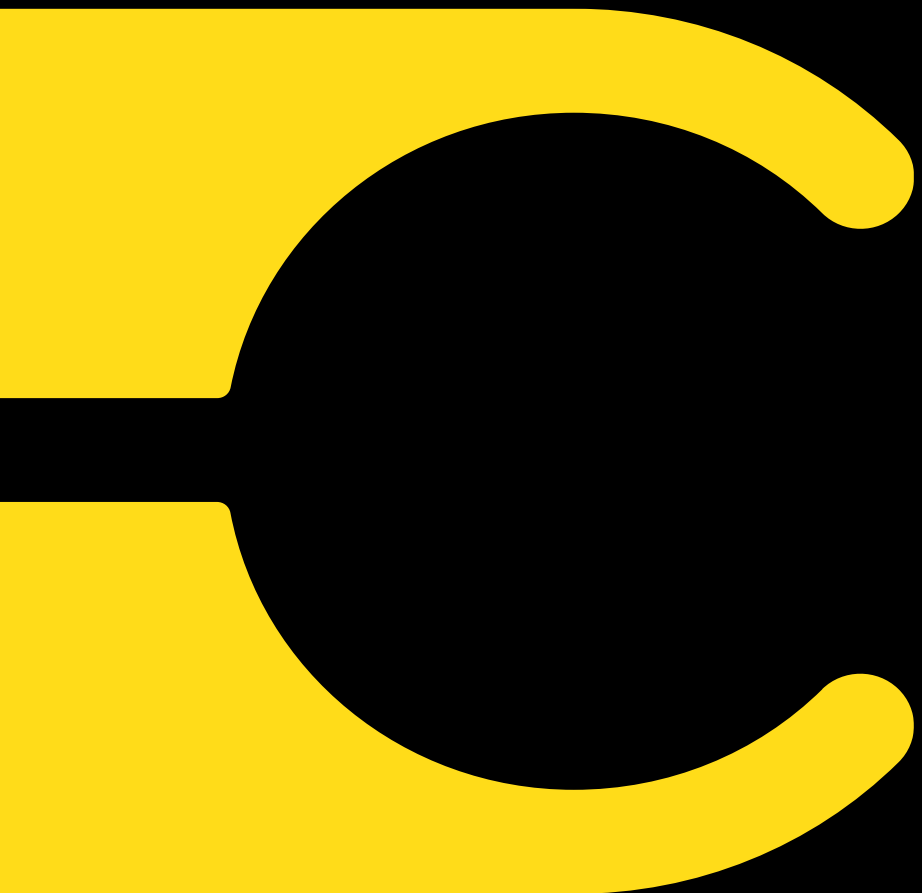
- Finding and summarizing data by name / asset
- Simple analysis of time-series data
- Finding and summarizing MES events related to an asset
- Asking questions about a specific document
- Asking questions about CONNECT help
- Describe capabilities – retrieving metadata / applying it in results
- Generating dashboards using natural language requests

Releasing Soon

- Design agent - embedded Industrial AI Assistant in Unified Engineering
- Customizable instructions - specify details for improved AI outcomes
- Human-in-the-loop interactions - request additional information to refine responses.

Future capabilities

- MCP protocols for data integration
- Expanded access to CONNECT data sources
- Embedding in CONNECT visualization experiences
- Expansion of visualization generation capabilities
- Agents for building digital twin, generative analytics and asset monitoring
- Extending generation capabilities to other use cases, such as HMI / SCADA



 [linkedin.com/company/aveva](https://www.linkedin.com/company/aveva)

 [@avevagroup](https://twitter.com/avevagroup)

ABOUT AVEVA

AVEVA is a world leader in industrial software, providing engineering and operational solutions across multiple industries, including oil and gas, chemical, pharmaceutical, power and utilities, marine, renewables, and food and beverage. Our agnostic and open architecture helps organizations design, build, operate, maintain and optimize the complete lifecycle of complex industrial assets, from production plants and offshore platforms to manufactured consumer goods.

Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. The company is headquartered in Cambridge, UK.

Learn more at www.aveva.com