

AVEVA and Microsoft

Accelerating the delivery of AI industrial innovation

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Americas Business Leader

Energy and Resources Industry

Strategy in Energy: Investment Priorities

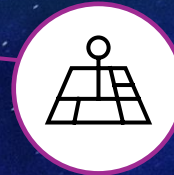
Sustainability



Technology



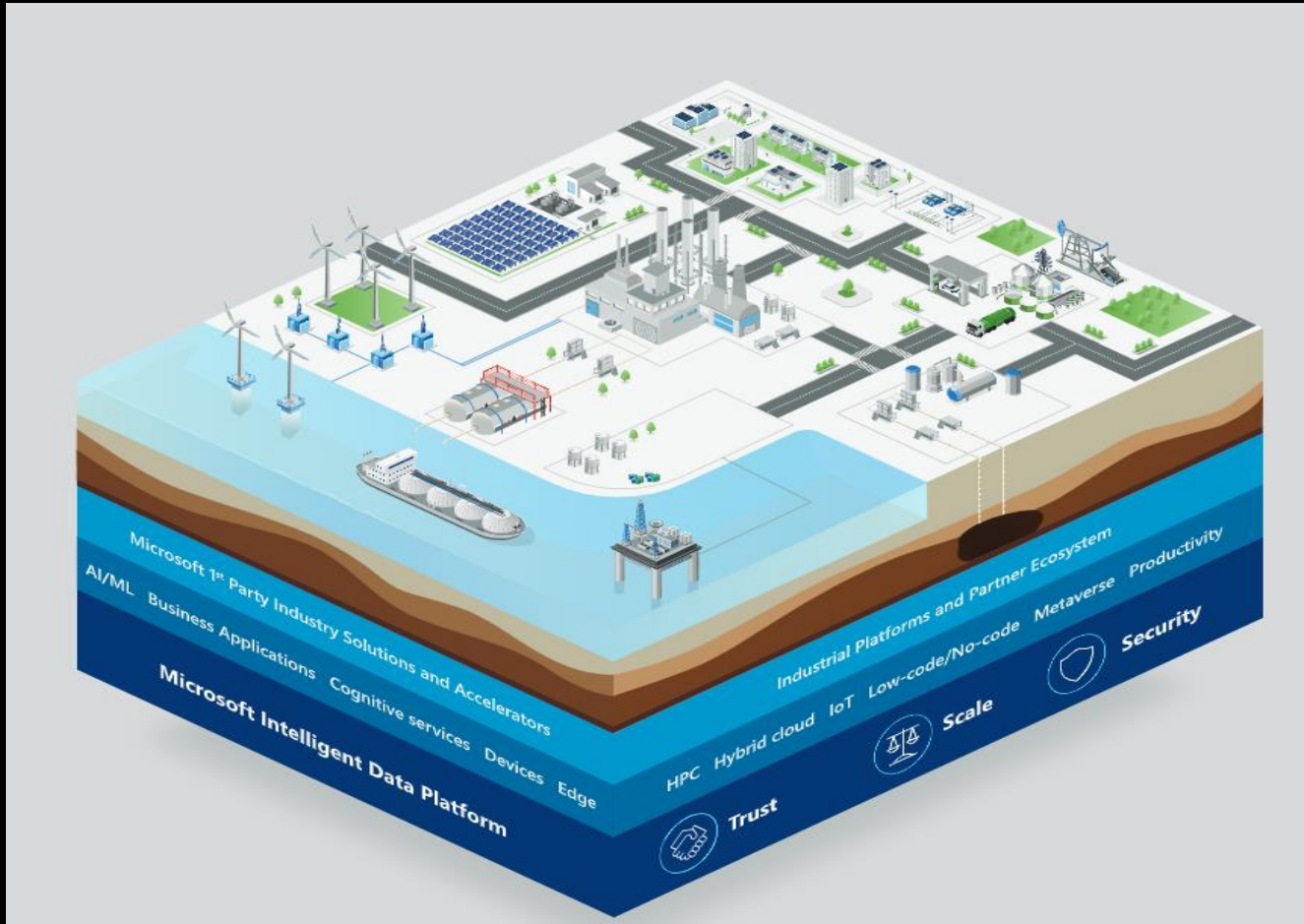
Ecosystem
Coordination



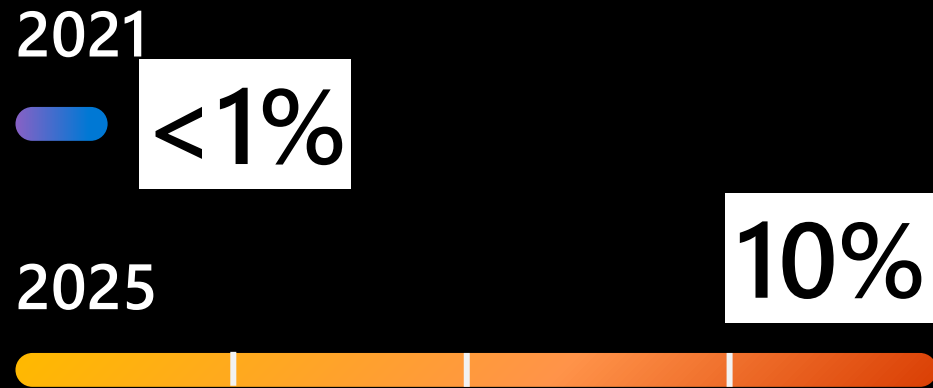
Strategic
Alliances



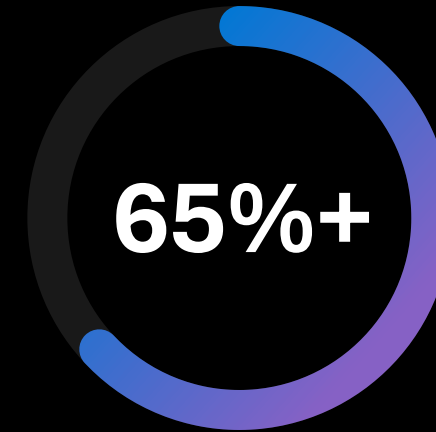
Microsoft Cloud Platform for the Digital Transformation



AI and low code are the future

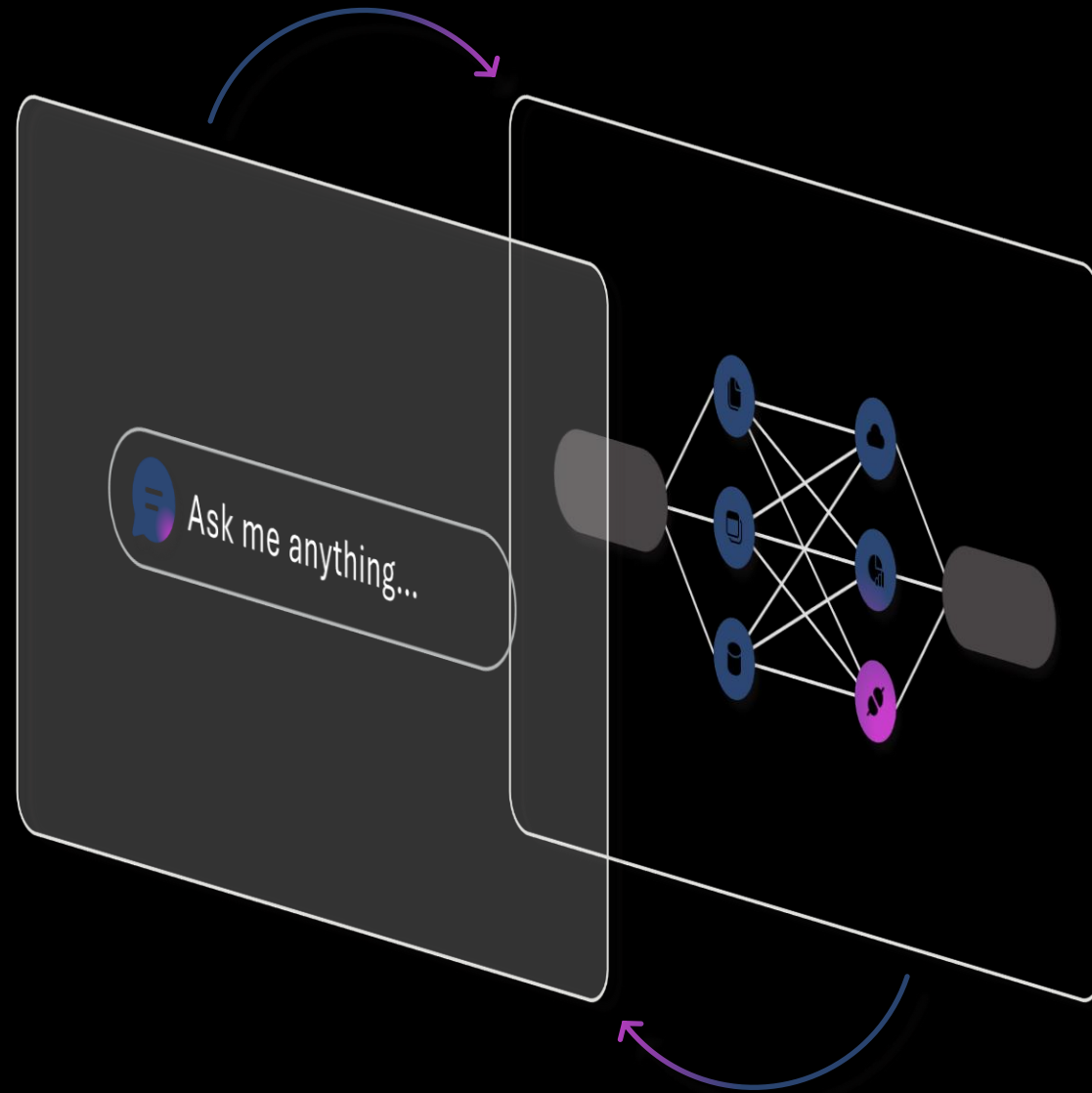


The percentage of the world's data produced by **generative AI** will jump from under 1% in 2021 to around 10% in 2025.



More than 65% of application development activity **will be low-code** by 2025.

Natural user interface



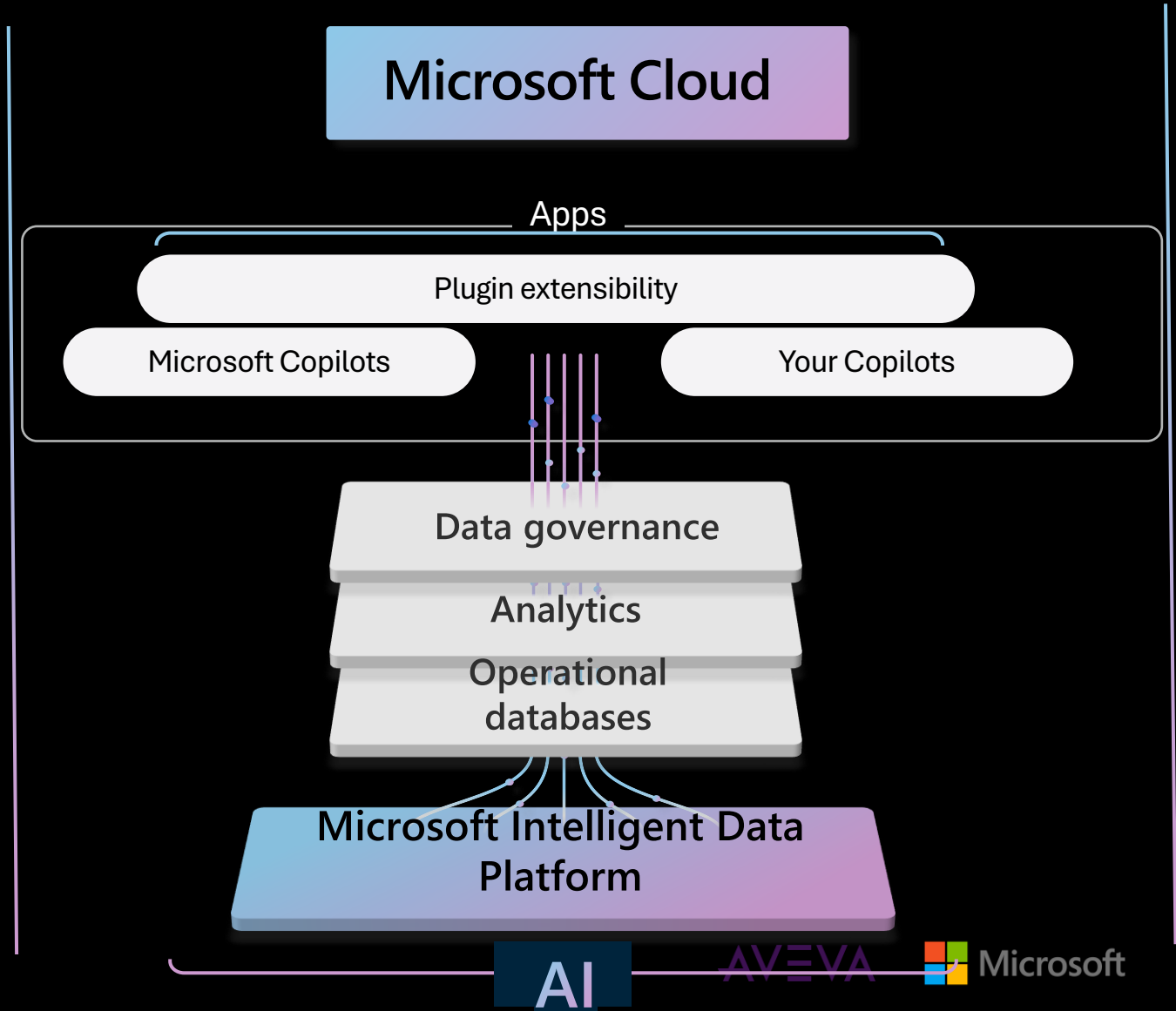
Reasoning engine

Copilot stack

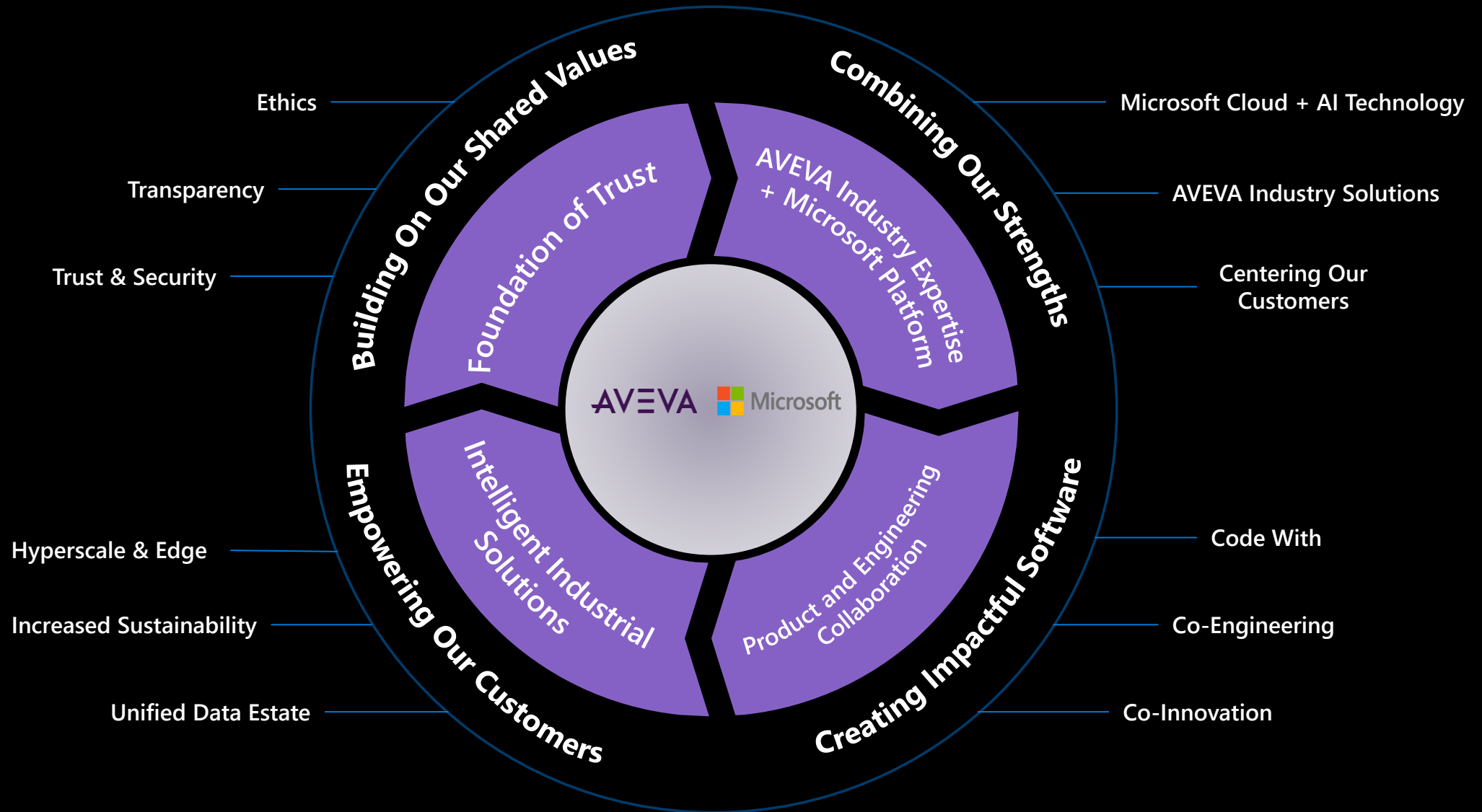
Your data is your data

Your data from any fine-tuning is not used to train the foundation AI models

Your data is protected by the most comprehensive enterprise compliance and security controls

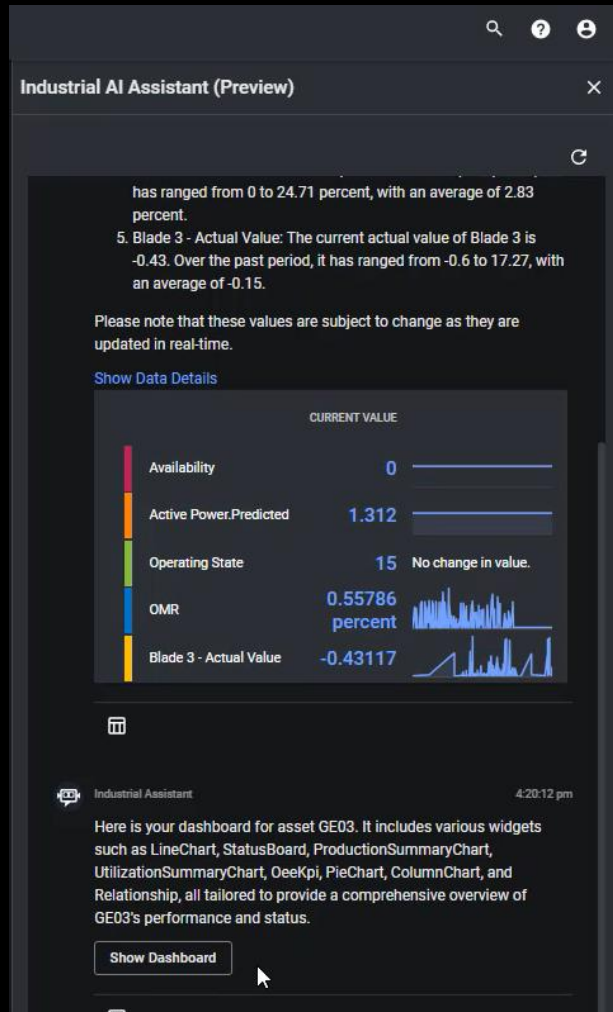


Partnership To Enable AI Industrial Innovation



Visualization: Industrial AI Assistant

Leveraging the power of generative AI in CONNECT



Industrial AI Assistant

Assistant 11:34:27 am

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

Lori Brossard-Warda 11:34:44 am

Are any turbines at Hornsea producing less than 500 kw

Assistant 11:36:22 am

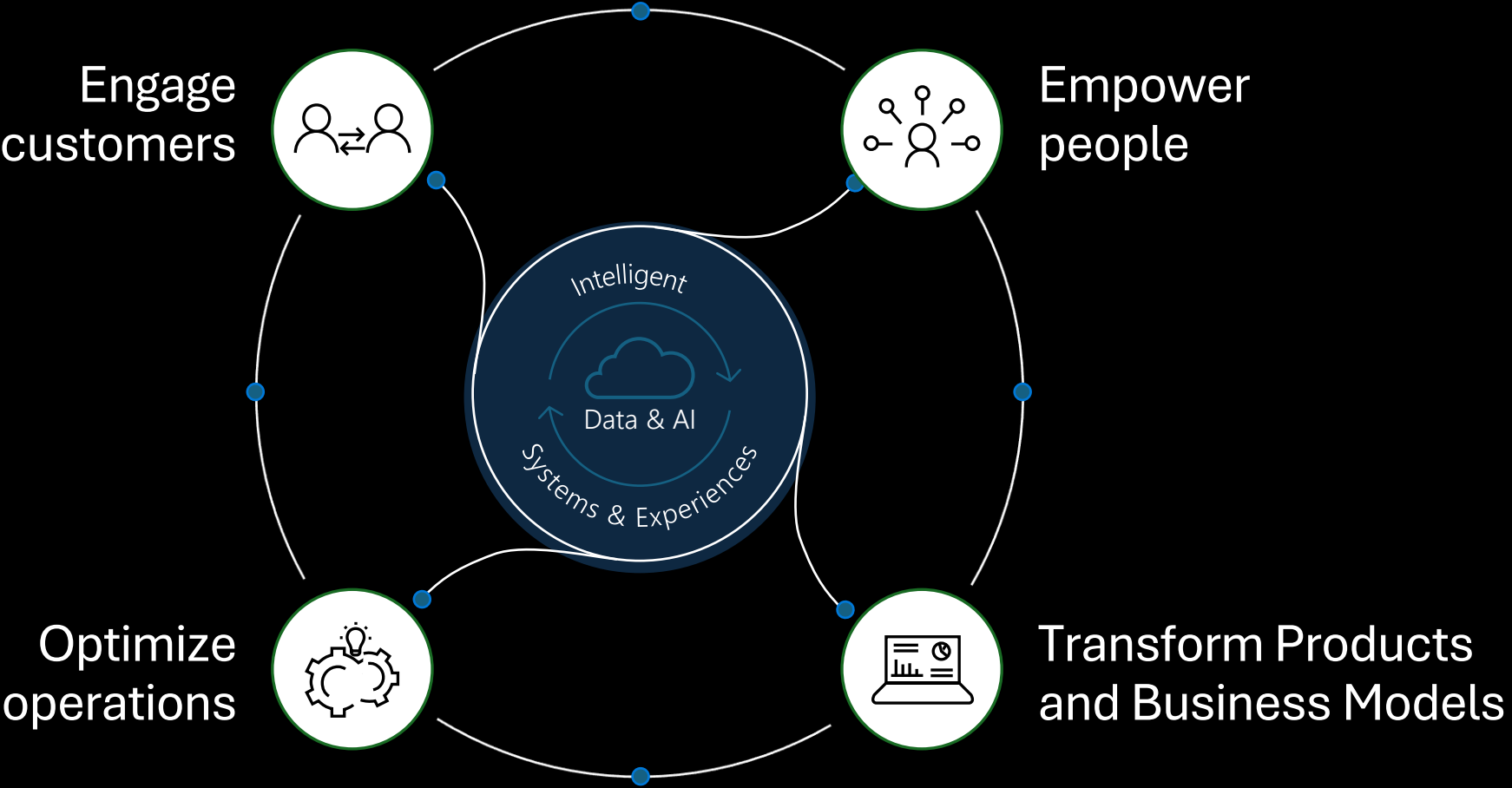
Based on the data retrieved, the turbine [GE04](#) at Hornsea is currently producing approximately 202.44 kW, which is less than 500 kW. Please note that this is a rolling average over the last 10 minutes. The other turbines' power output data is not available or not relevant to the power output.

Show Data Details

Enter your message...

- Natural-Language Interface
- Any persona in CONNECT
- Same data access as user

Digital Feedback Loop = Business Transformation



Two platforms to enable the global industrial ecosystem

AVEVA CONNECT

Accelerating intelligence-as-a-service with a platform designed for industrial information



Microsoft Fabric

Connecting every data source and analytics service together on a single, AI-powered platform

1

Align teams with a single source of truth using the most accurate and up-to-date data

2

Streamline effort and time to insights

3

Empower data professionals and business leaders to make data-driven decisions

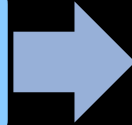
Use cases

Capabilities

Opportunity Value



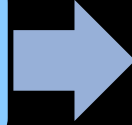
Enhanced Inspection & Maintenance



Use of advanced technologies such as robotics, sensors, and AI to **enable autonomous inspection activities**, eliminate manual data interpretation, and conduct on-the-run maintenance activities.



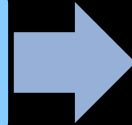
Industrial Connected Worker



Equip field workers with technologies to **enhance productivity, collaboration, and safety** through real-time data exchange and a manage by exception strategy.



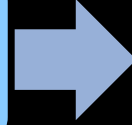
Predictive Asset Health



Understand if, when, and how equipment or systems will fail, before they fail and prescribe/direct corrective action.



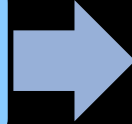
Remote & Autonomous Operations



Systems capable of **operating and making decisions, in real-time**, with limited human intervention.



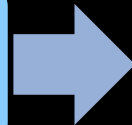
Emissions Modeling & Reductions



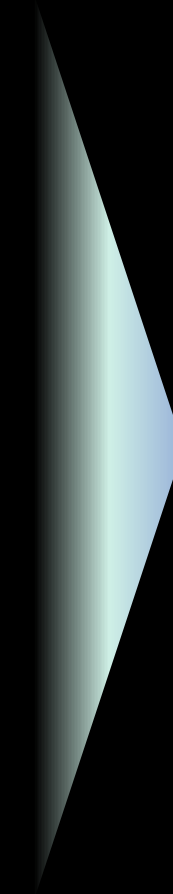
Ability to **monitor, optimize, and adjust operations** to minimize emissions and increase sustainability.



Production Throughput Optimization



Dynamically adapt to multiple and changing optimization goals to maximize the throughput of many processes.



10-30%
Operational expense reduction

8-12%
Operational efficiency increase

Safer work environments

Reduced environmental impact

6-10%
Revenue increase

Let's Shape The Industrial AI Future Together

Where to start: Simple Scales

- Concentrate on Business
- Quantifiable business value
- Outside-in scenarios and design thinking
- Leverage SMEs/Experts in the field
- Grounded on data
- Conduct experiments/Pilots
- Implement guardrails



Thank You!

