





Design



# Build



# Operate



# Optimize



# CONNECT

### Industrial intelligence for the connected industrial economy

Seamless experience



Applications and analytics

Design & build

Operate

Optimize

Information

**Engineering information** 

 $\langle \cdots \rangle$ 

Operations information

Assets and devices











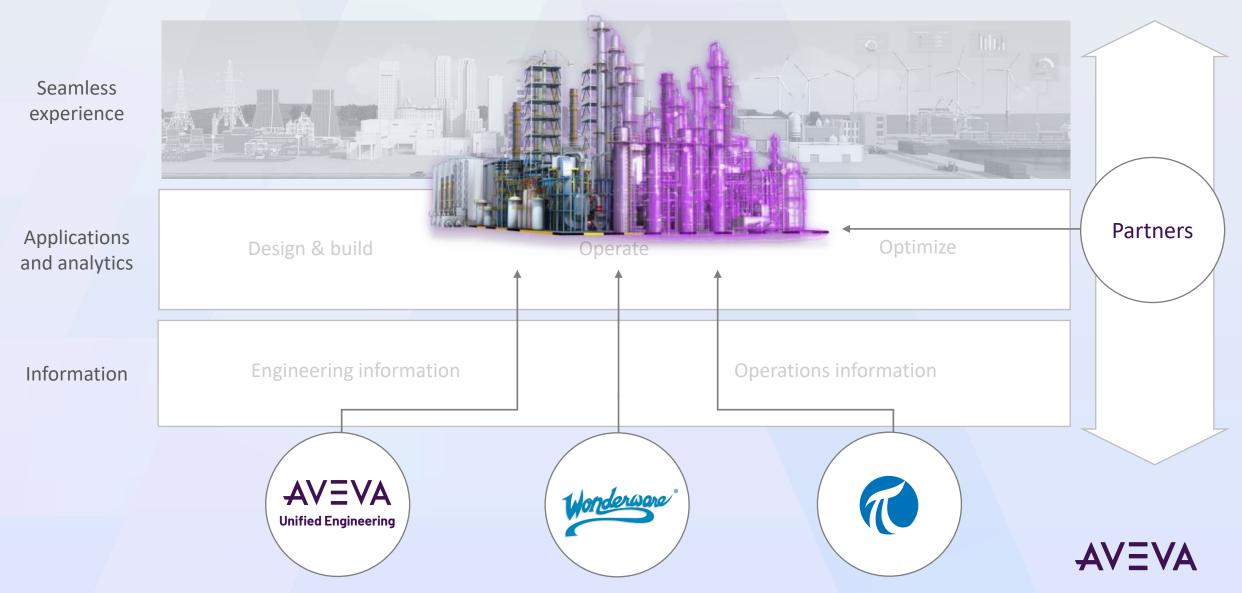


Ecosystem

of developers and partners

# CONNECT

### Extending your existing investments and capabilities



### Your industrial platform

2

Unlock new levels of industrial intelligence and drive digital transformation



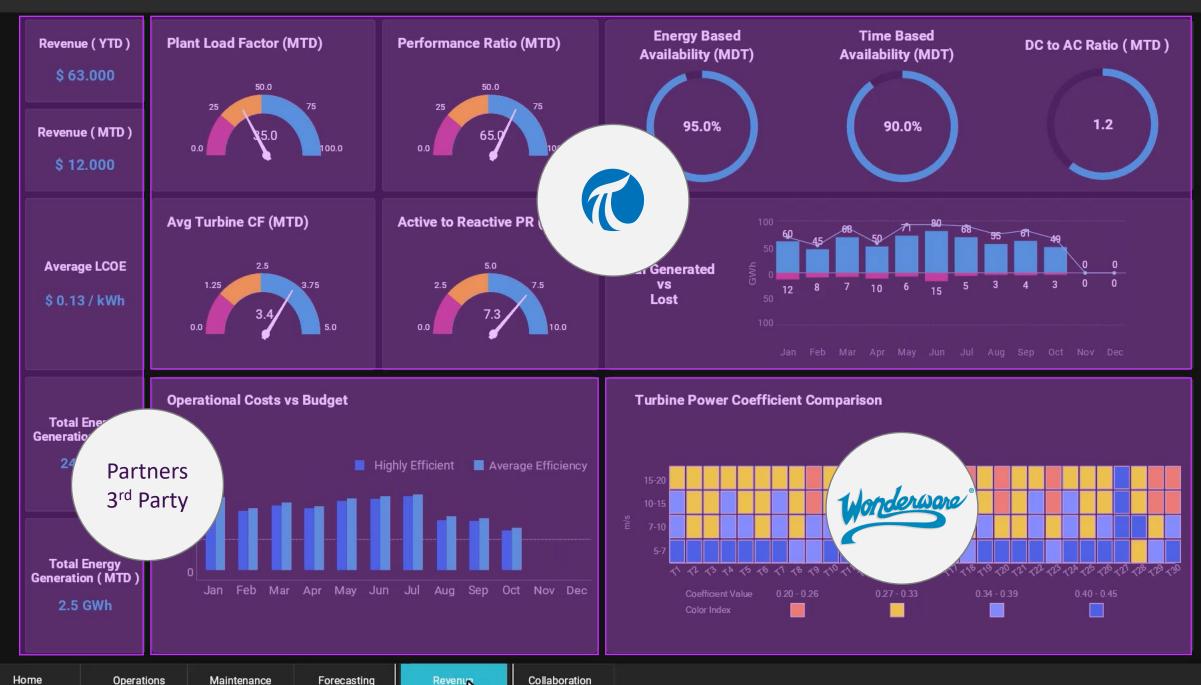






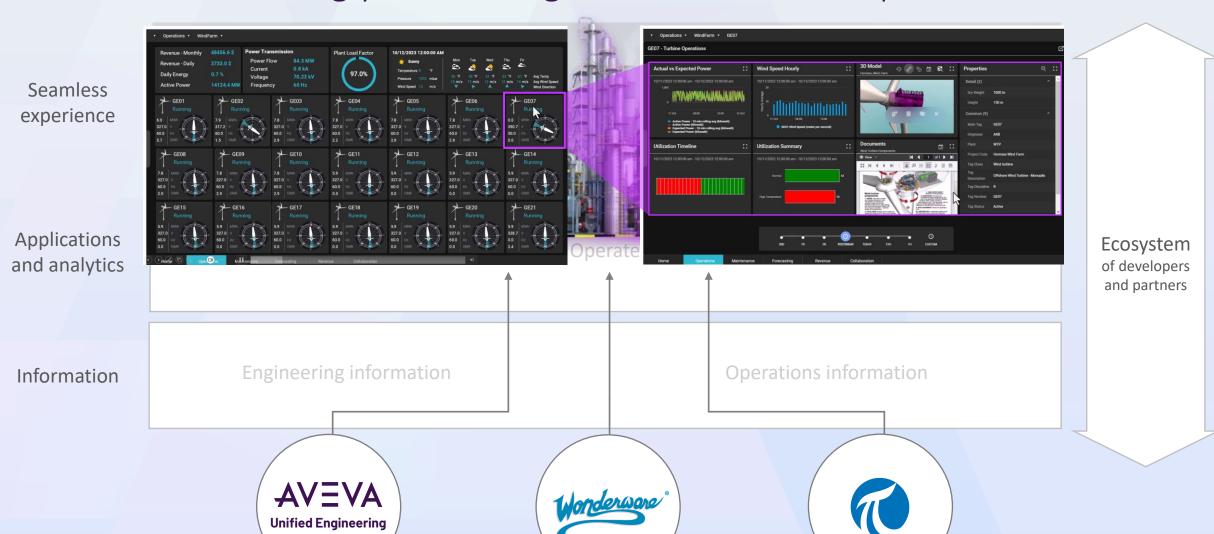
Be future-ready

Learn more



# CONNECT

### Extending your existing investments and capabilities



▼ Operations ▼

Plant Load

Factor



Grid Availability

**0.05 T CO2** 

**Environmental Benefits** 

\$ 123 🛦

Revenue Change Today

Home Operations Maintenance Forecasting Revenue Collaboration

**Energy Based** 

Availability

MTBF

Time Based

Availability

Home

Operations

Maintenance

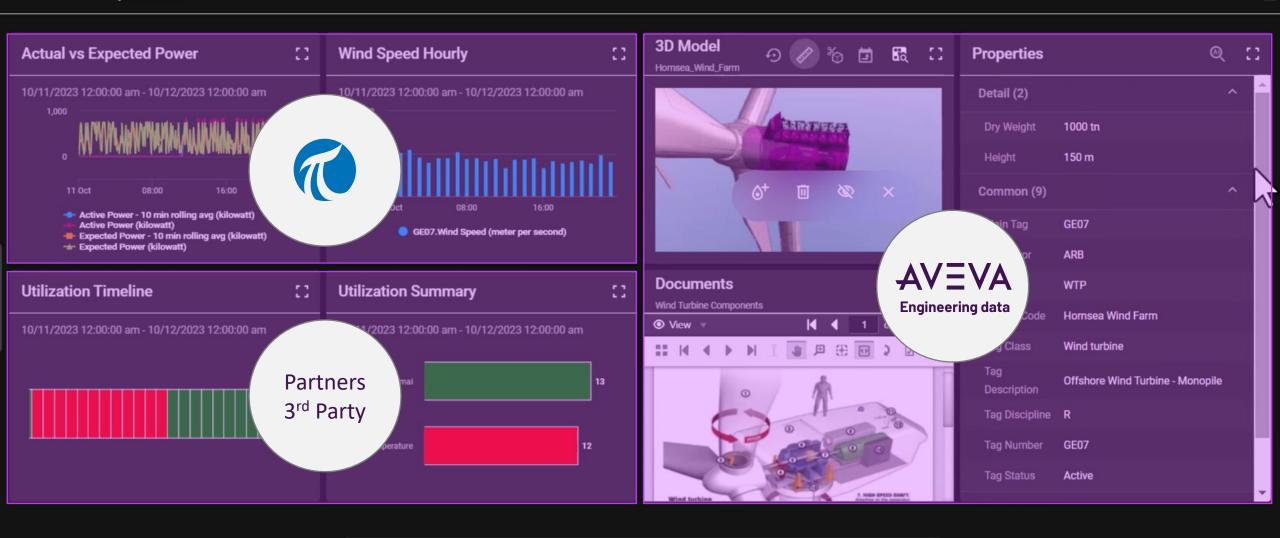
Forecasting

**Power Transmission** 48456.6\$ Plant Load Factor Revenue - Monthly 10/12/2023 12:00:00 AM **Power Flow** 84.3 MW Mon Tue Wed Thu Sunny Revenue - Daily 3733.0 \$ 0.8 kA Current Temperature 8 97.0% **Daily Energy** 0.7 % 70.23 kV Voltage Avg Temp 1012 mbar Pressure 10 m/s 12 m/s Avg Wind Speed 13 m/s 12 m/s **Active Power** 14124.4 MW 60 Hz Frequency Wind Speed 13 m/s Wind Direction **GE01 GE02 GE03 GE04** GE05 **GE06 GE07** Running Running Running Running Running Running 0.0 6.0 7.9 7.8 7.8 7.8 7.8 327.0 317.2 327.0 327.0 327.0 327.0 390.7 60.0 60.0 60.0 60.0 60.0 60.0 50.0 5.7 1.5 2.9 2.2 0.0 OMR 2.9 OMR 2.9 OMR **GE08 GE09 GE10 GE11** GE12 **GE13 GE14** Running Running Running Running Running Running 7.8 5.9 5.9 7.8 7.8 5.9 5.9 327.0 327.0 327.0 327.0 327.0 327.0 327.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 2.9 2.9 2.9 0.0 0.0 0.0 0.0 **GE15 GE16 GE17 GE18 GE19 GE20 GE21** Running Running Running Running Running Running 5.9 5.9 5.9 5.9 5.9 5.9 5.9 327.0 327.0 327.0 327.0 327.0 327.0 328.7 60.0 60.0 60.0 60.0 60.0 60.0 0.0 2.4 0.0 0.0 0.0 0.0 0.0 0.0 **OMR** OMR OMR OMR

Collaboration

Revenue

### **GE07 - Turbine Operations**



YESTERDAY

**TODAY** 

12H

1H

0

CUSTOM



30D

7D

# CONNECT

# Extending your existing investments and capabilities

Operate

Seamless experience

United States

| Name |

Optimize

Applications and analytics

Information

Engineering information

Design & build

Operations information



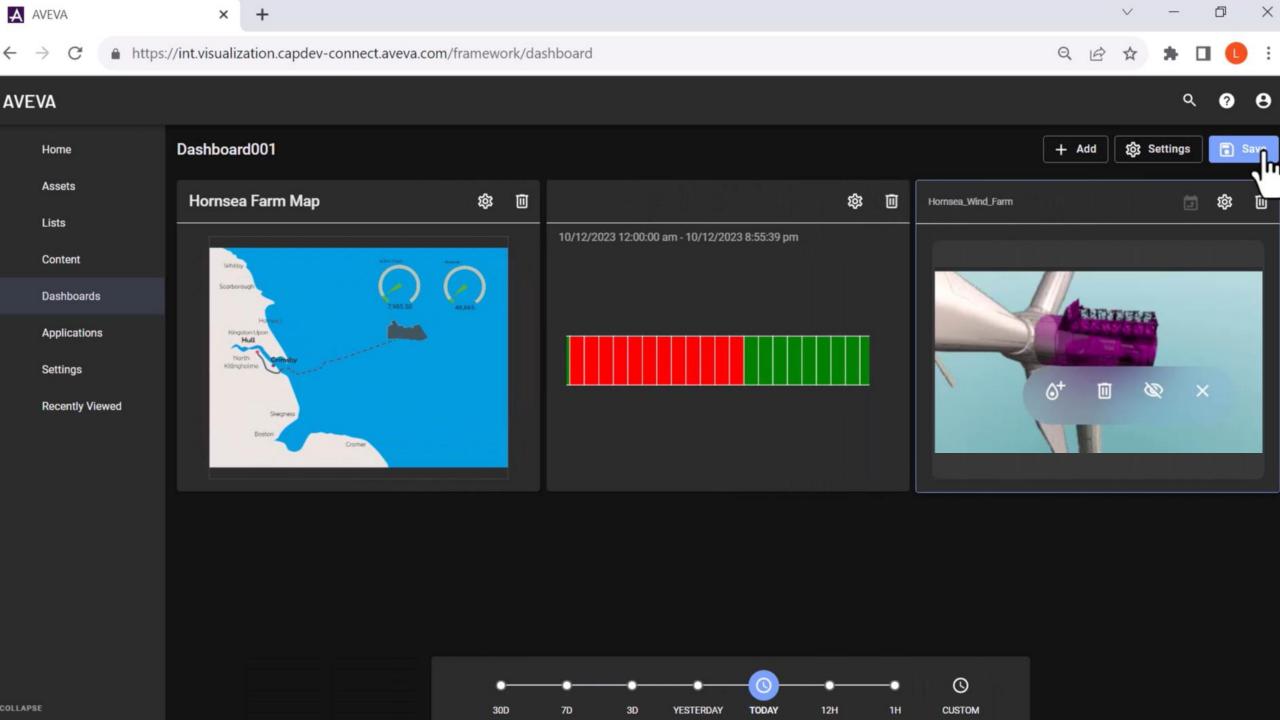


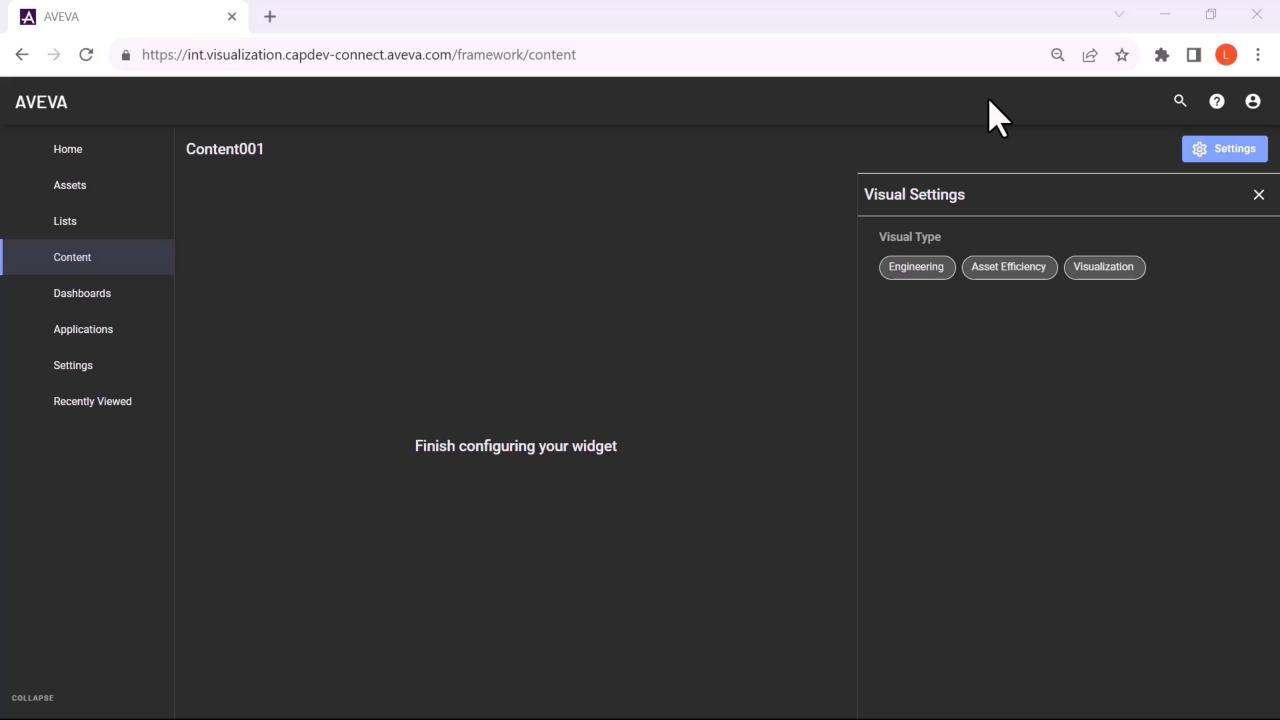


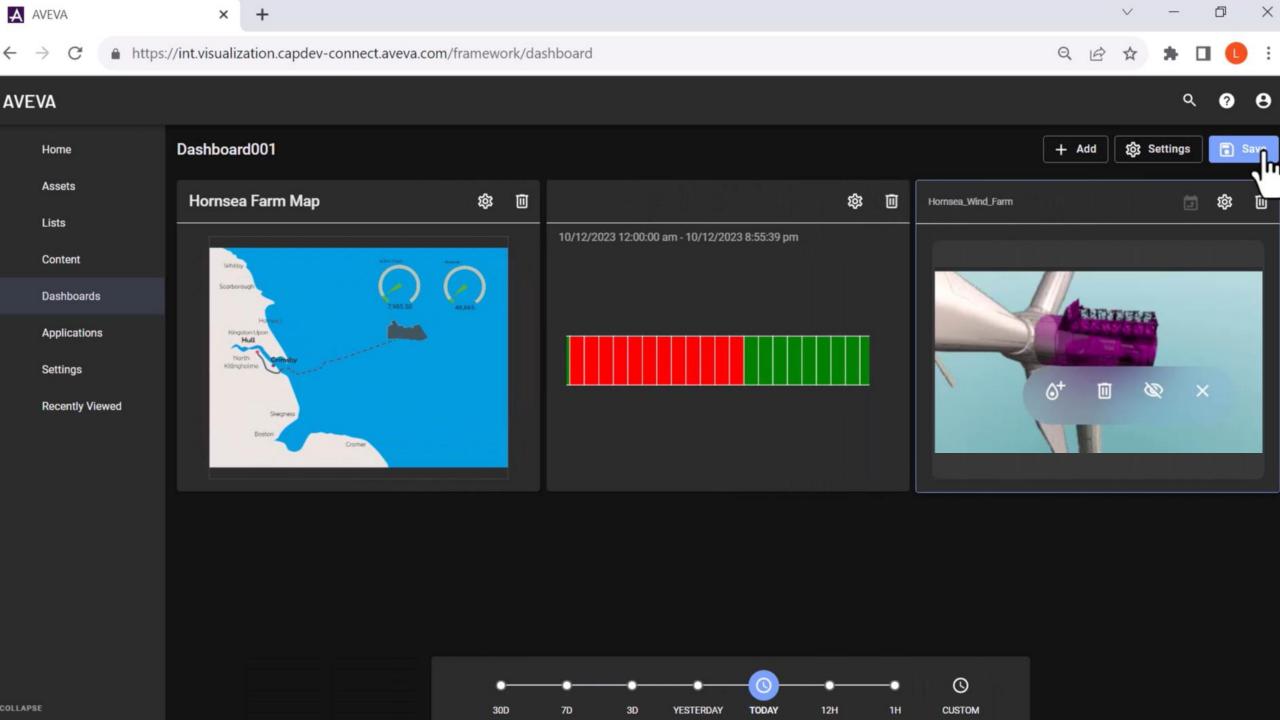


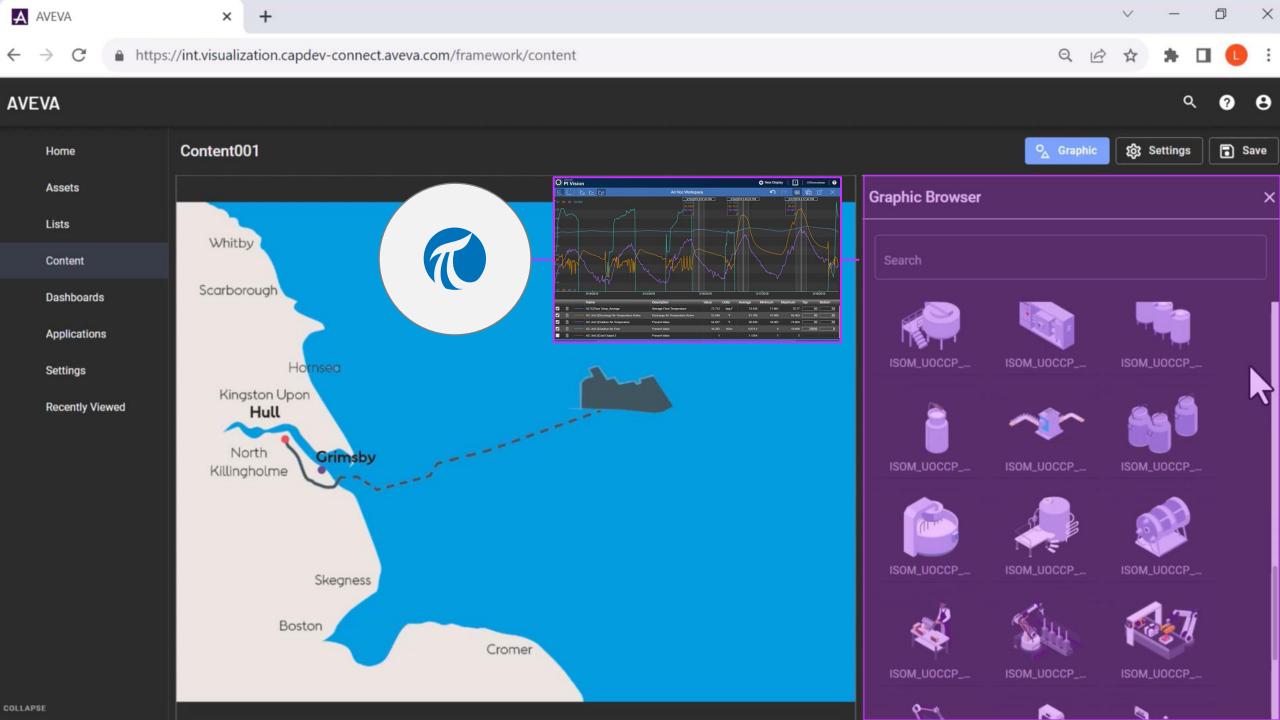
Ecosystem

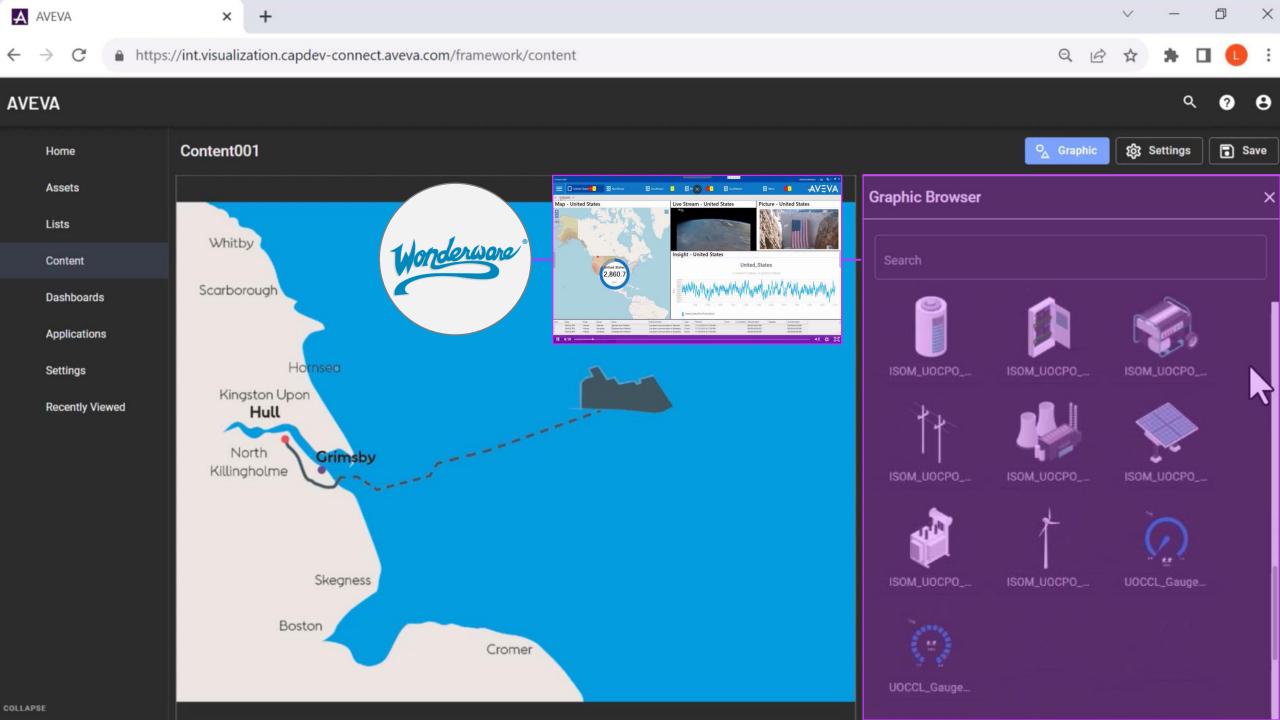
of developers and partners











# CONNECT

New value realization: Analytics

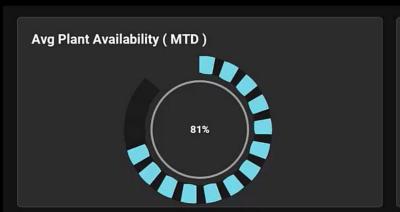
Seamless experience

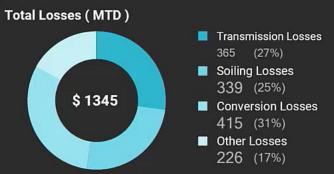
Applications and analytics

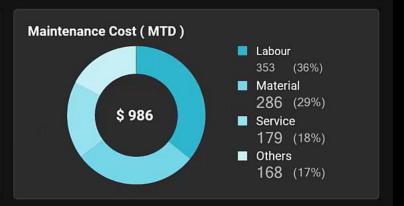
Information



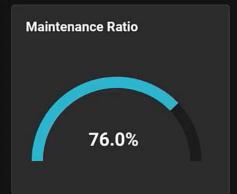


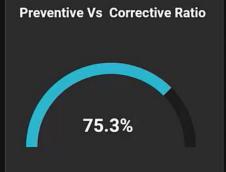






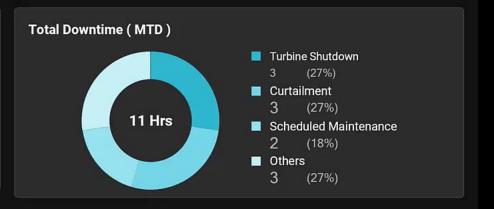




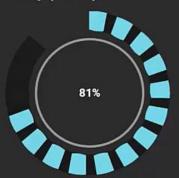


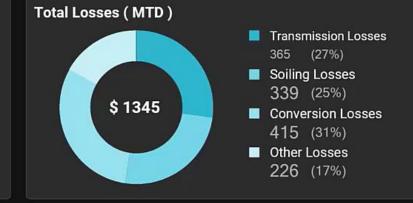


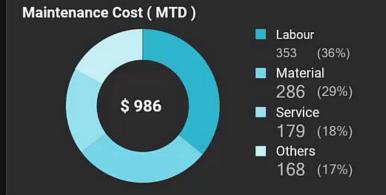
Asset Id	Equipment Type	Status	Recent Inspection	Upcoming Mainten.	Work Order Status	Priority	Actions
GE01	Wind Turbine	Running	02-10-2023	10-12-2023		<u> </u>	<b>€</b> Ø <b>₹</b> □
GE02	Wind Turbine	Running	10-09-2023	25-11-2023	-		(B) 44 []
GE07	Wind Turbine	Stopped	05-07-2023	05-11-2023	Open	1	( <b>9</b> ) ~( <b>1</b> )



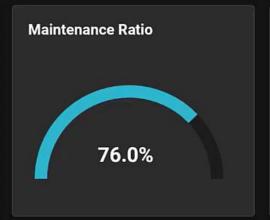
### Avg Plant Availability (MTD)

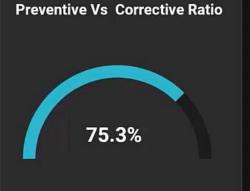






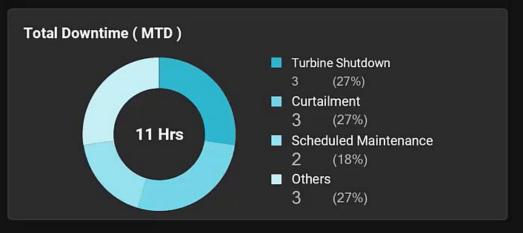






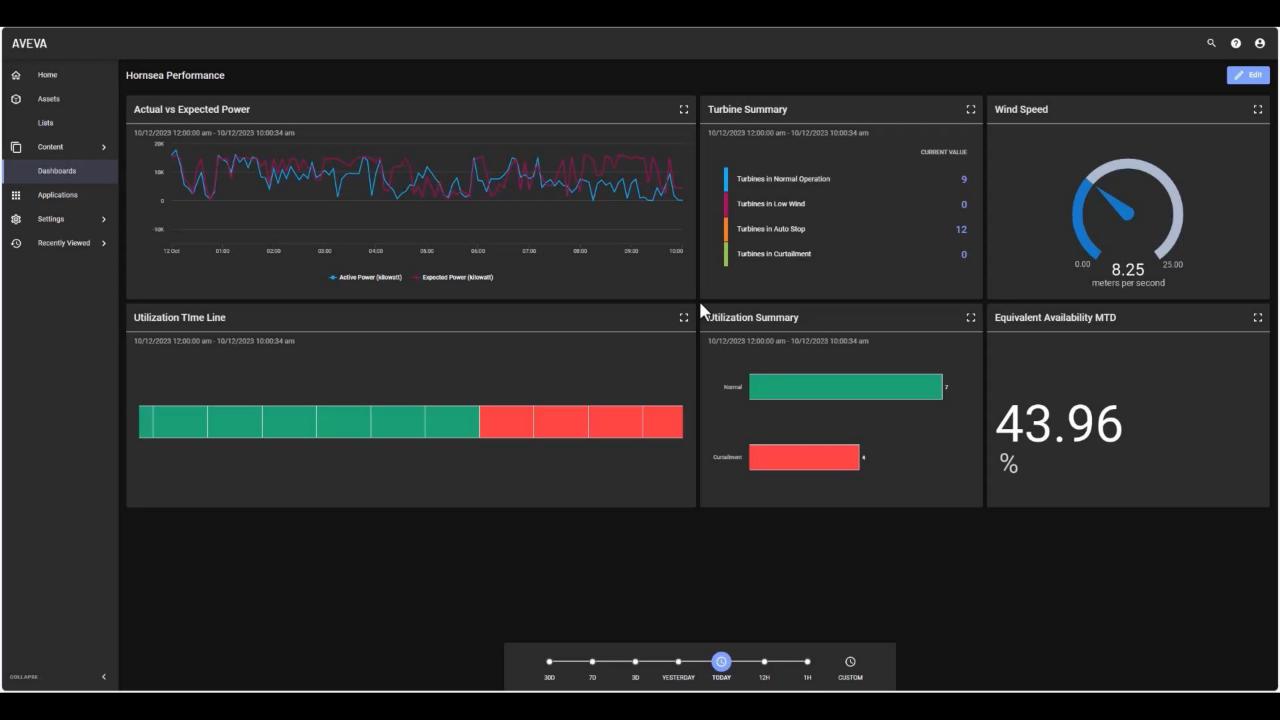


Asset Id	Equipment Type	Status	Recent Inspection	Upcoming Mainten.	Work Order Status	Priority	Actions
GE01	Wind Turbine	Running	02-10-2023	10-12-2023	<u> -</u>	-	Ø 🥳 🗈
GE02	Wind Turbine	Running	10-09-2023	25-11-2023	-	-	( <b>8</b> ) ~( <b>1</b> )
GE07	Wind Turbine	Stopped	05-07-2023	05-11-2023	Open	1	Ø ~ 🗈



# INNOVATION LAB Applying industrial generative Al

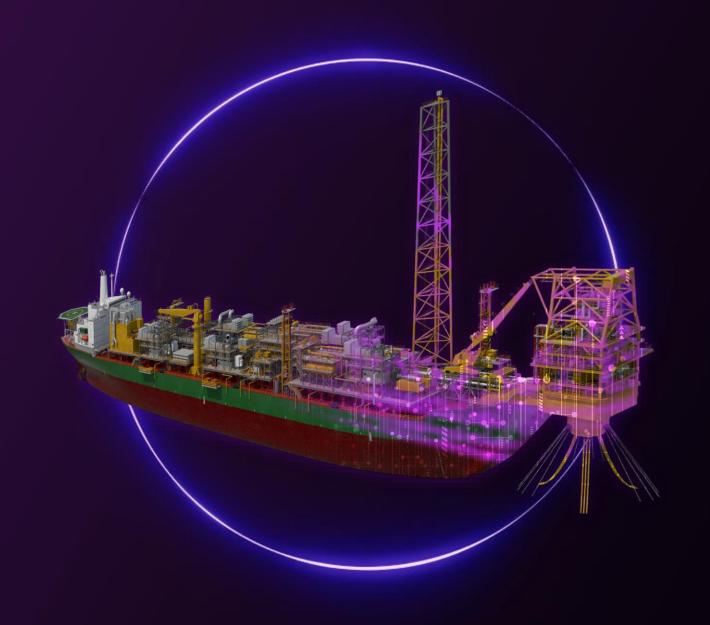




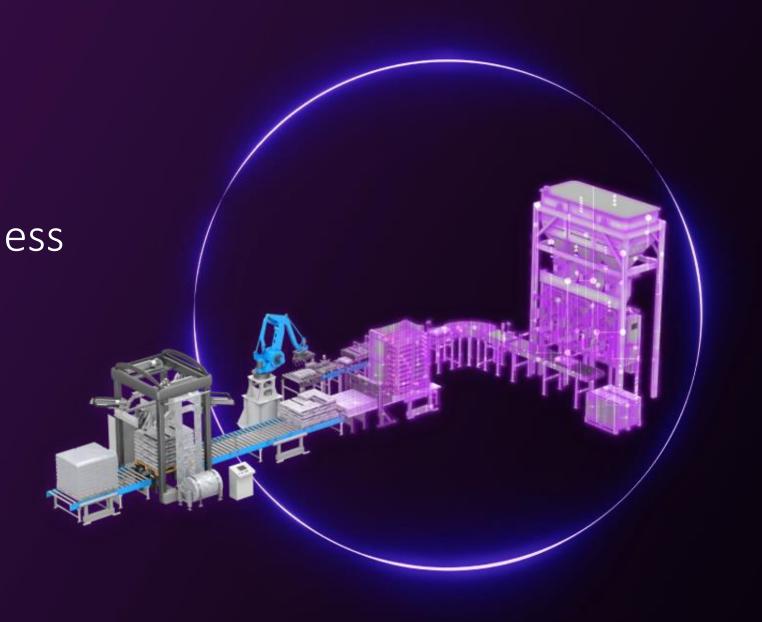
Delivering a seamless experience from digital twin to digital enterprise



Delivering a seamless experience from digital twin to digital enterprise



Delivering a seamless experience from digital twin to digital enterprise







# Collaboration with you inspires us



# Our commitment to you

Extend the value of existing investments

Deliver a neutral industrial platform

Unlock net new value and net new use cases



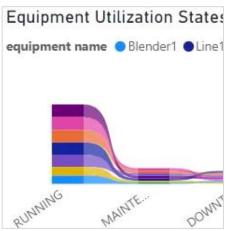
# Announcing more great capabilities

SEAMLESS COLLABORATION: AVEVA Unified Engineering

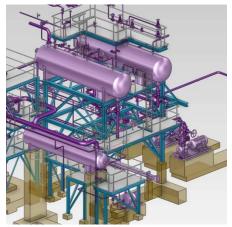


DATA WITHOUT
BOUNDARIES:

AVEVA PI Data
Infrastructure



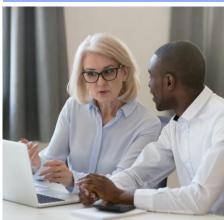
And more from our partners



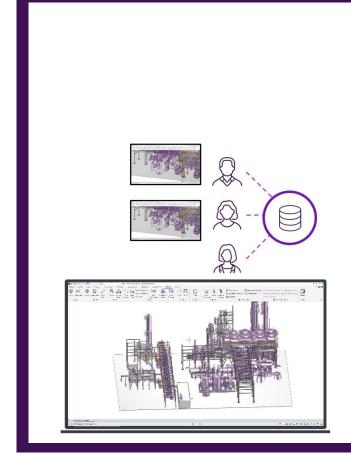
EXPANSIVE
HMI / SCADA:
AVEVA
Operations
Control R2



ANALYZE EVENT DATA IN THE CLOUD: AVEVA Data Hub



# Unmatched collaboration with AVEVA Unified Engineering



### **NEW**

- Centralized architecture
- Ease of community data sharing
- Work anywhere, see changes in real-time
- Persistent customization and 3<sup>rd</sup> party integrations

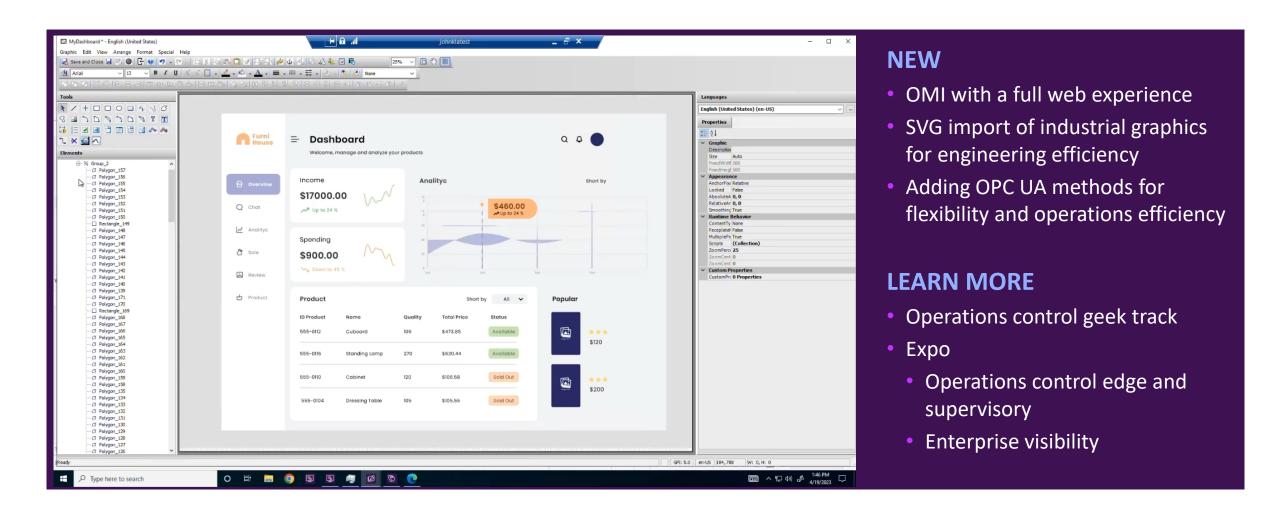
### **IMPACT**

- Reduce time to set up and modify projects by 70%
- Lower administration overheads





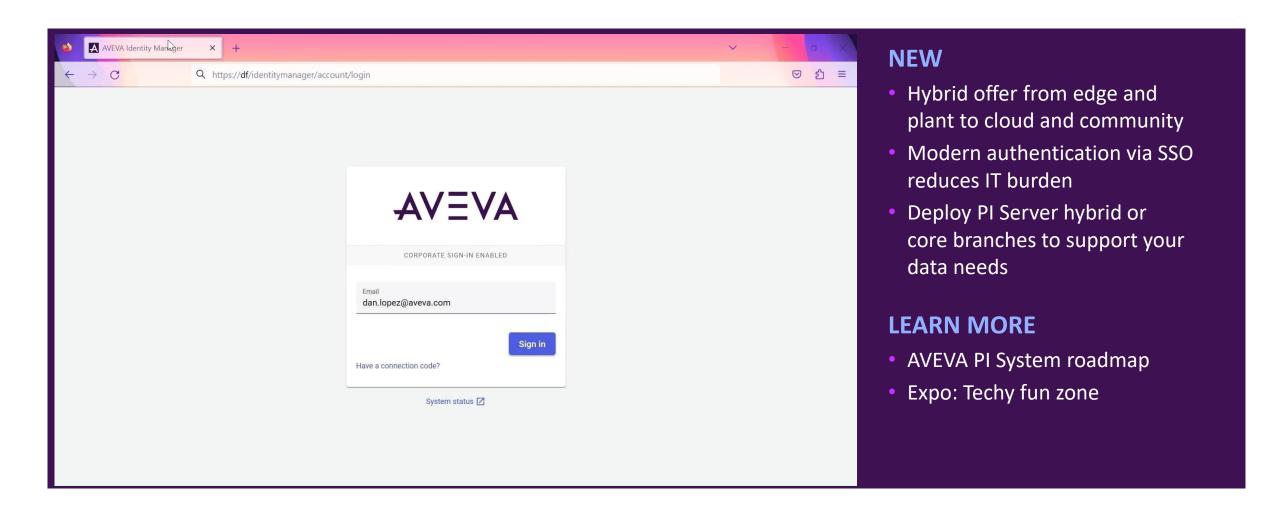
# Unified experience with AVEVA Operations Control 2023 R2





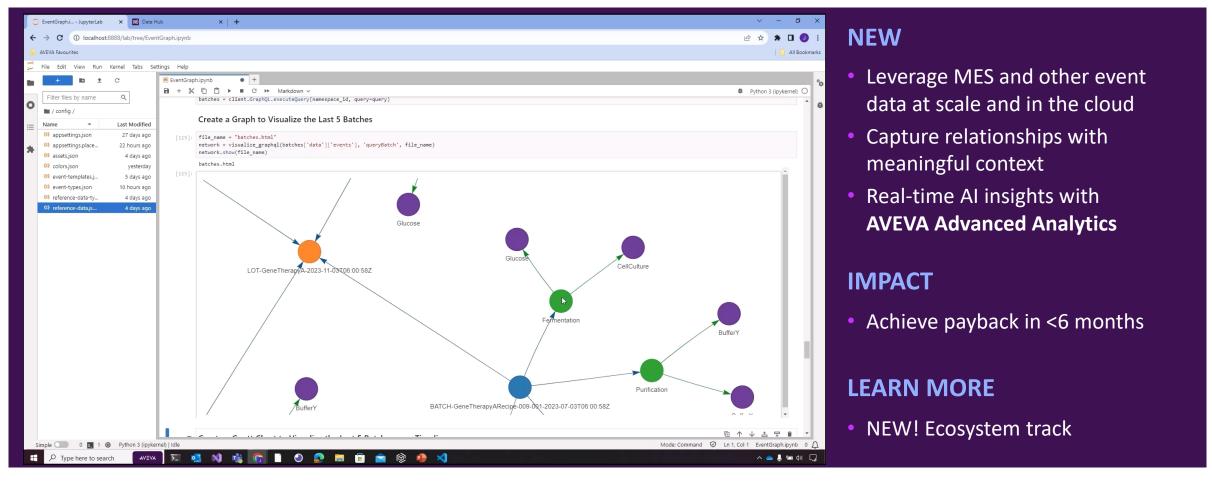
### **NEW**

# Flexibility you need with AVEVA PI Data Infrastructure





# Analyze events data using advanced tools with AVEVA Data Hub



Source: Forrester Consulting, The Total Economic Impact™ of AVEVA Data Hub; Study based on a composite organization, October 2023





### STRATEGIC ROADMAP

Accelerate value creation from AVEVA and partner applications with an open and neutral industrial platform



### CONNECT

Industrial intelligence-as-a-service



AVEVA apps

In-house apps

Partner apps



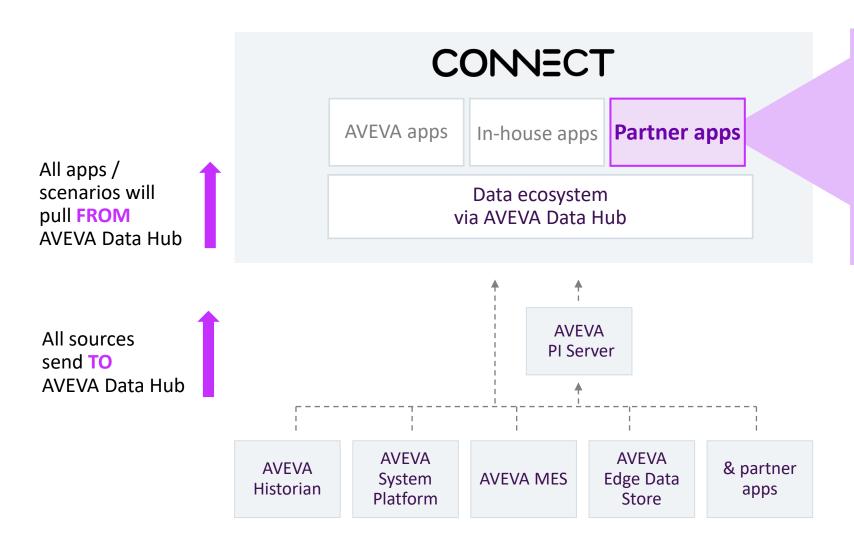
Connect platform services

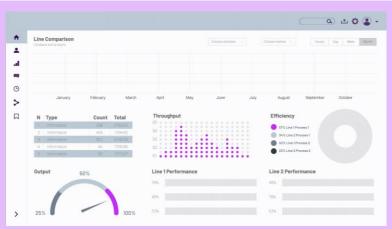
- Data ecosystem
- Visualization
- Modeling & analytics
- Application enablement

& more to come



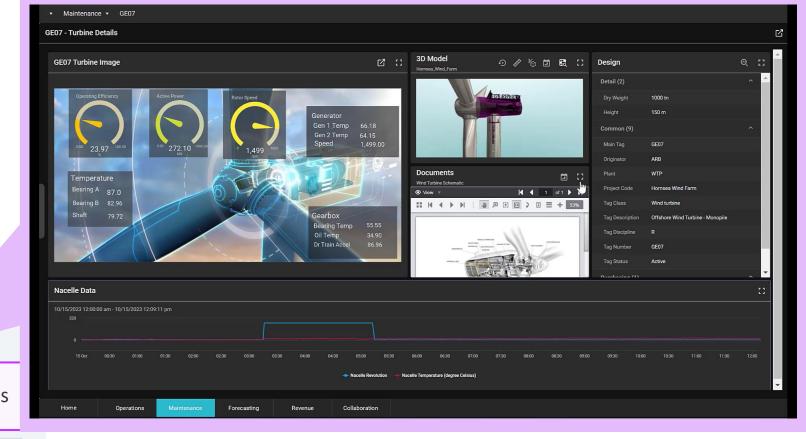
### Platform strategy accelerates new value-added applications







Seamless visualization across 1D, 2D, 3D engineering and operations data



### CONNECT

AVEVA apps In-house apps Partner apps

Data ecosystem



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### Adding more data, more visualization, more capabilities to enable new use cases

### **Standalone applications**

### **Integrated NEUTRAL industrial platform**



Industrial generative AI



Applications, models, application-enablement services



Combined IT/OT/ET visualization, self-service

Pre-defined and immersive



Developer tools: New developer package



Linked data, customer, partner etc.



Engineering, 1D, 2D, 3D



Production event data



Time-series data

Remote monitoring

Data science

Utilization analysis
Advanced OEE

Holistic digital twin
Operator training

Project transparency
Benchmarking



Our software

+ your expertise

are driving

real-world change

### Discover

- Roadmap sessions
- Expo booths, including Industrial AI & analytics AVEVA Connect
- Ecosystem track



