

The background of the image is a deep purple with a network of glowing, intersecting diagonal lines in shades of cyan and magenta, creating a diamond-shaped pattern. The text is centered in the middle of the frame.

AVEVAWORLD

ACCELERATE INDUSTRIAL INTELLIGENCE

AVEVA WORLD MILAN, MAY 2026

AVEVA Unified Engineering Roadmap

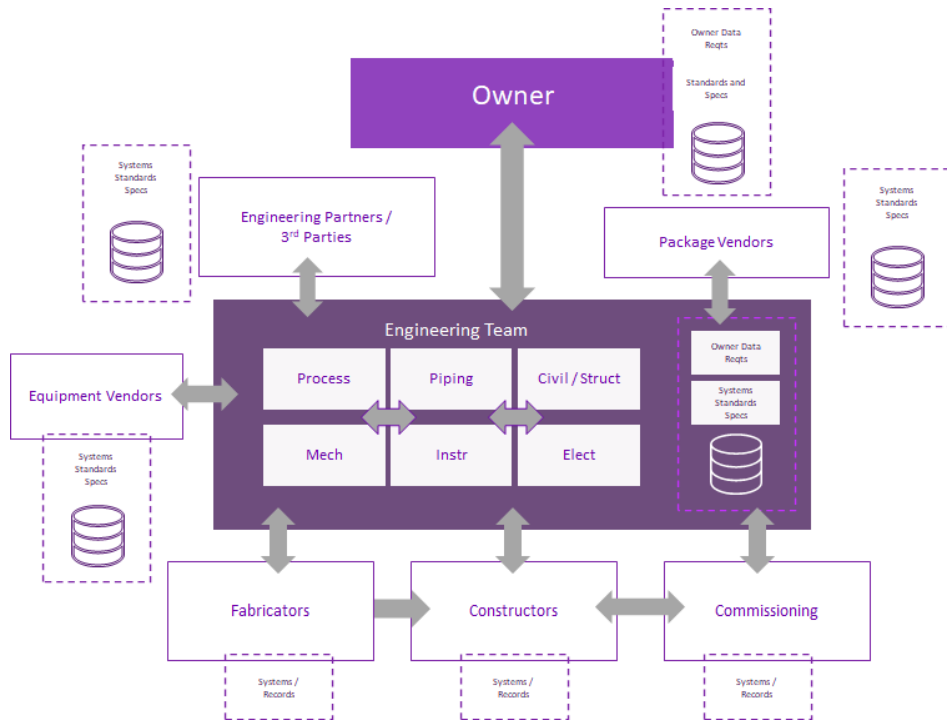
Delivering on the promise of data-centric engineering

Greg Pada, Senior Vice President, Head of Engineering Business

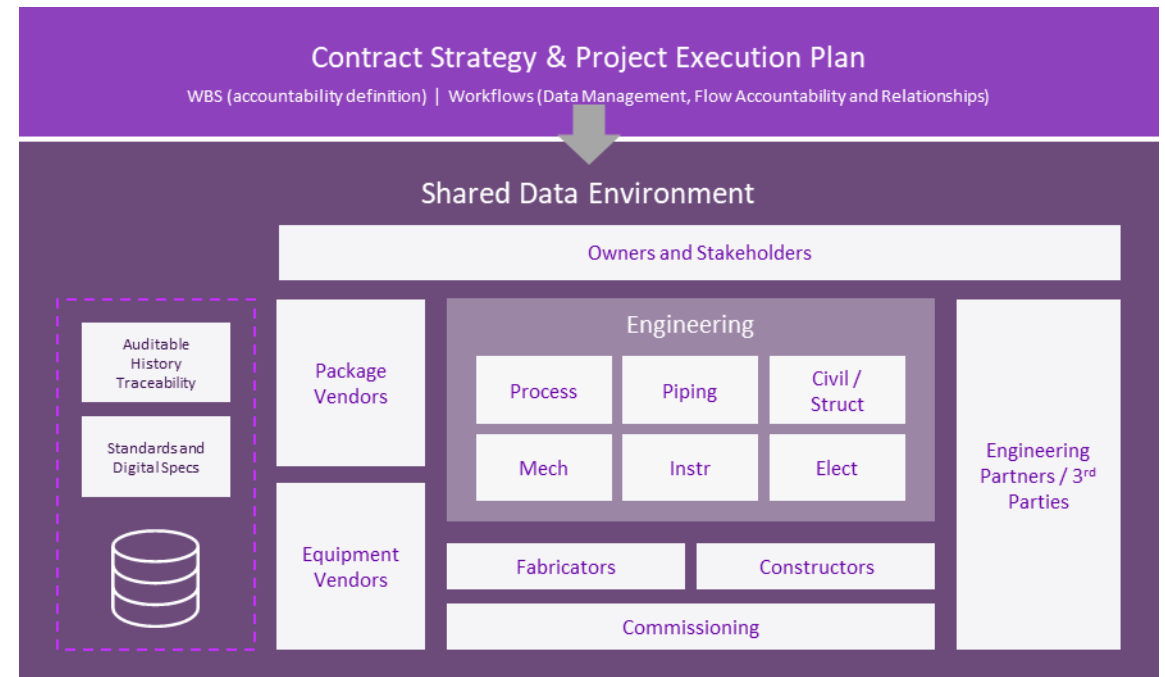
Ross Kilmurray, Director of Product Management, Engineering & Design Solutions

AVEVA

The original vision for Unified Engineering

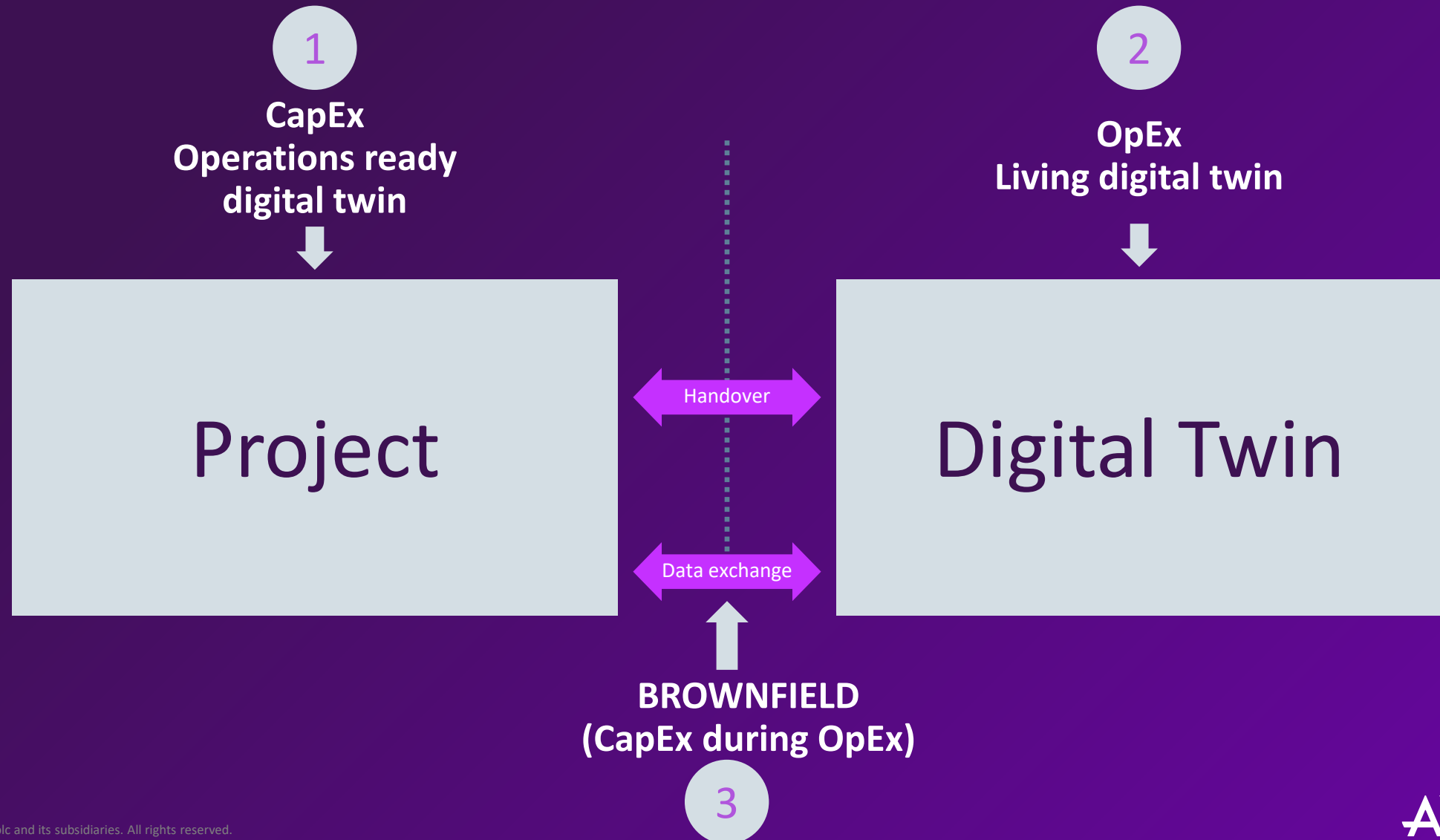


Disconnected Systems, Teams and Project Data



'Connected' Systems, Teams and Project Data

Unified Engineering key use cases



Unified Engineering: fundamental requirements

....build for the next generation of users and administrators



Simplicity in Technology



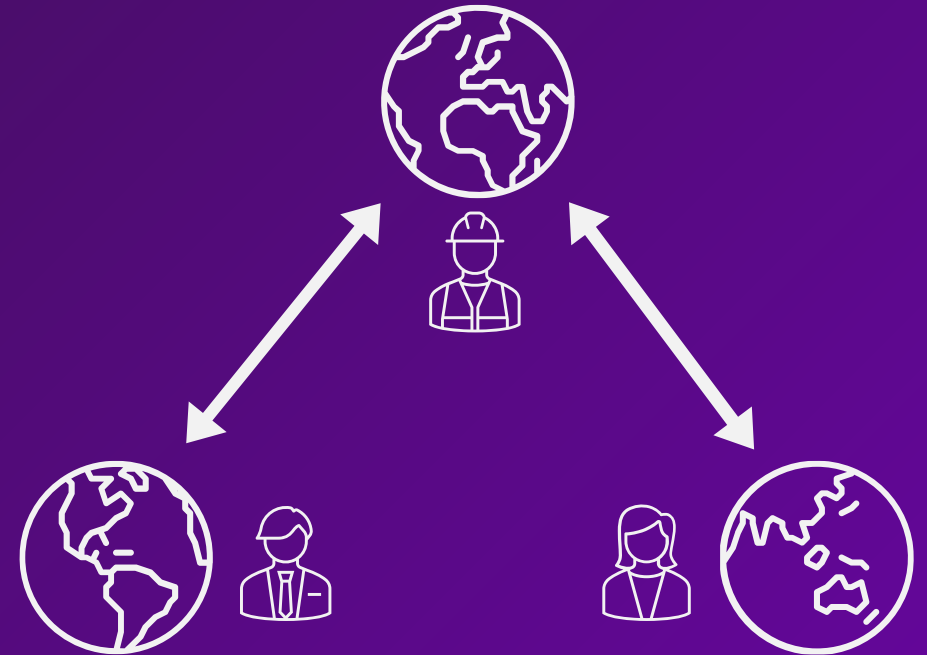
Time to Value



Secure Collaboration



Dynamic



Enabled seamless
multidiscipline
collaboration

Agile, efficient global
working via hybrid-cloud

IDOM

Implemented AI tools

60% faster documentation

20% less document
correction rework in
process simulation

AP Consultoria e Projetos

Eliminated project silos

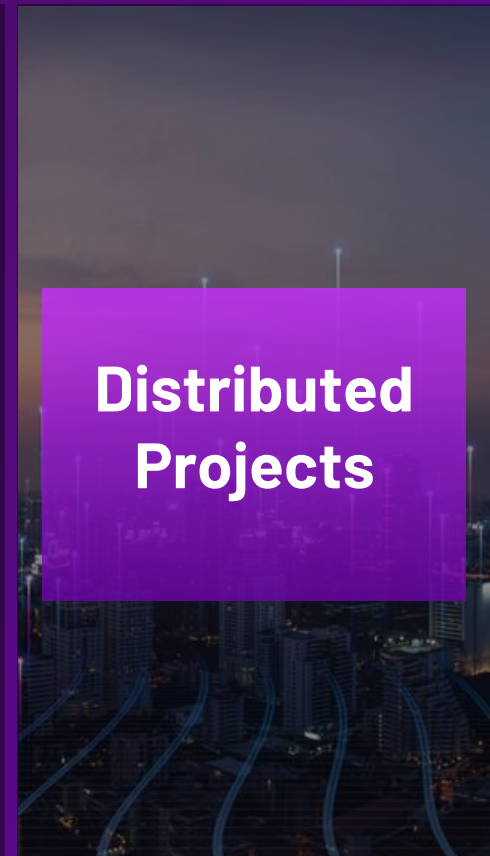
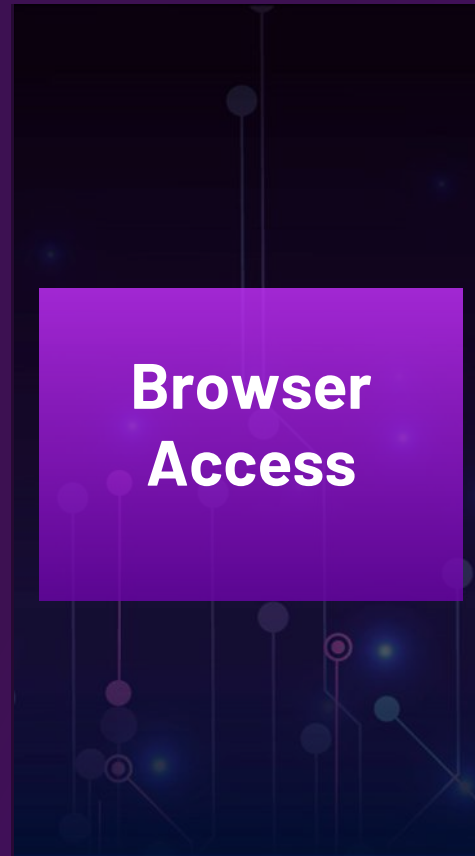
Reduce design errors and
rework

Smarter resource allocation

Major Italian EPC

Unified Engineering

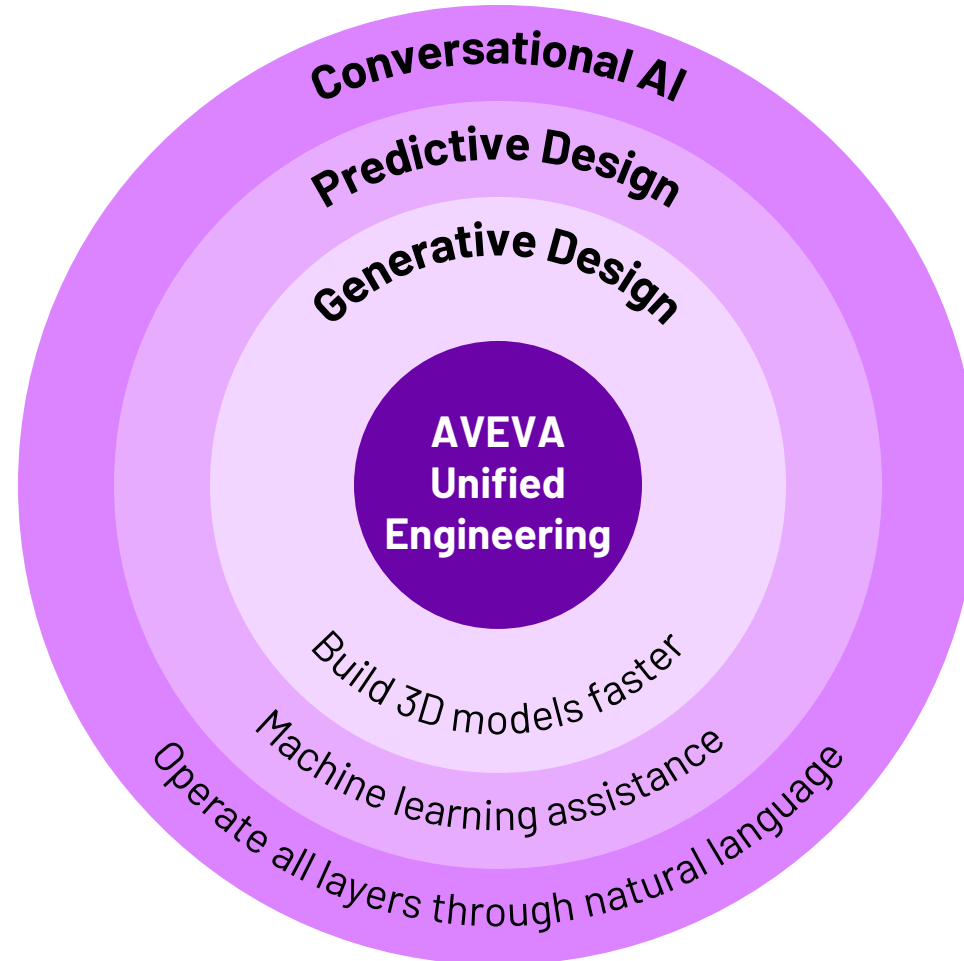
Platform Advancements



The future of engineering and design

A layered, integrated approach

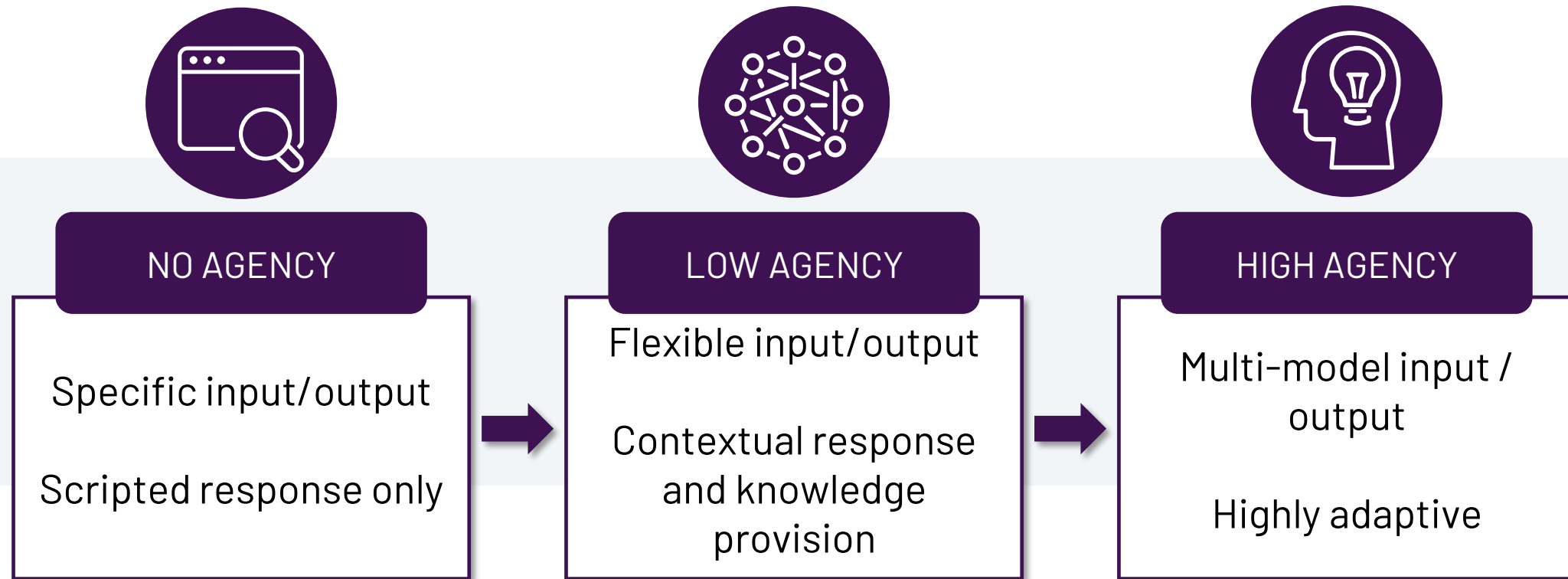
**Artificial
Intelligence**



The future of engineering and design

Moving towards greater agentic capabilities

Artificial Intelligence



The future of engineering and design

Accelerating value

**Artificial
Intelligence**

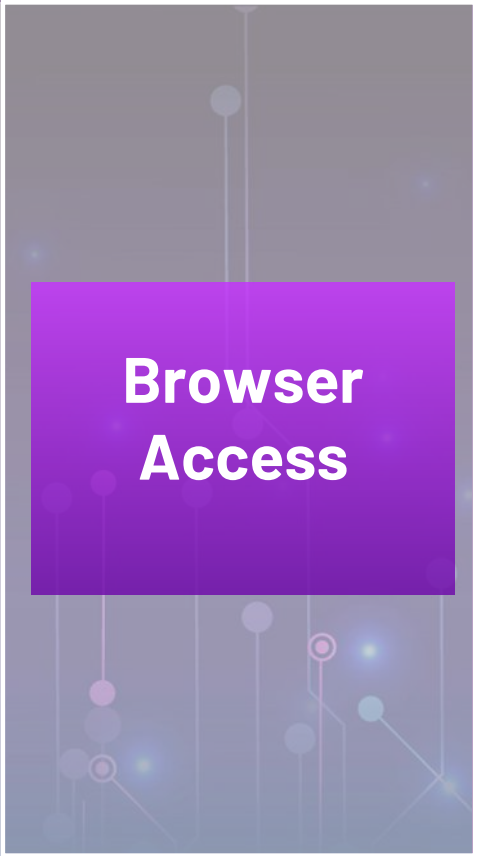
- Faster delivery
- Lower material costs
- Knowledge at scale

Unified Engineering

Platform Advancements



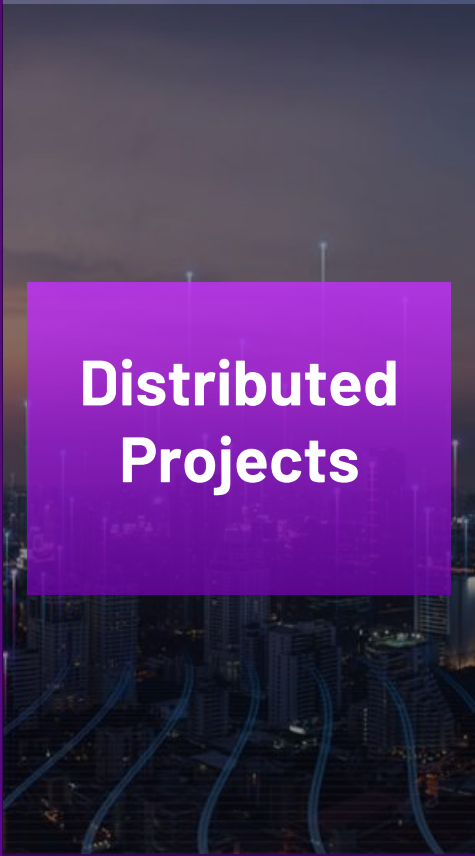
**Artificial
Intelligence**



**Browser
Access**



**Data
Regions**



**Distributed
Projects**

Fast, flexible deployment

Suited to your project, your policies, and your business

**Browser
Access**



On-premises

All On-Premise

Software and data fully hosted by customer



Hybrid

Hybrid Cloud

Software installed on-prem, project data in the cloud using the Spectrum data service



Browser Access

Browser

All applications are accessible via online access. Fully Hosted SaaS.



AVEVA

Browser Access

Fast, flexible deployment

Suited to your project, your policies, and your business



Browser Access

Browser

All applications are accessible via online access. Fully Hosted SaaS.



- **Batch Processing**

- Run bulk operations across multiple items without manual repetition
- Enables large-scale updates, exports, and checks in a single action

- **Project Category Subfolders**

- Organize project data with hierarchical folder structures
- Improved navigation and governance for large, multi-discipline projects

- **Migration: UEoC → Browser Access**

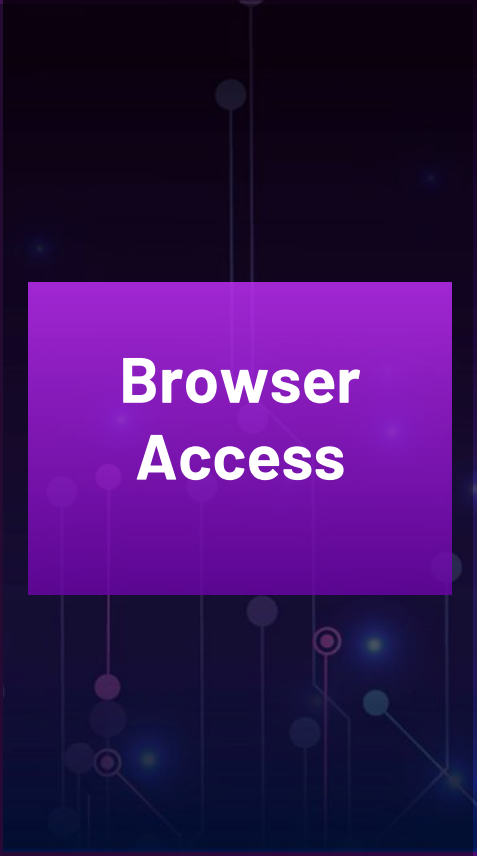
- Streamlined migration path from Unified Engineering on Cloud to browser-native access
- Ensuring continuity of project data and user configuration

Unified Engineering

Platform Advancements



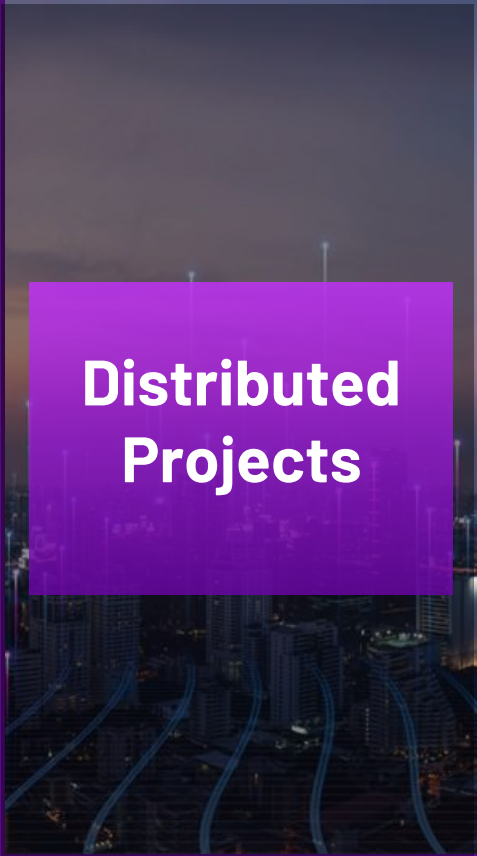
**Artificial
Intelligence**



**Browser
Access**

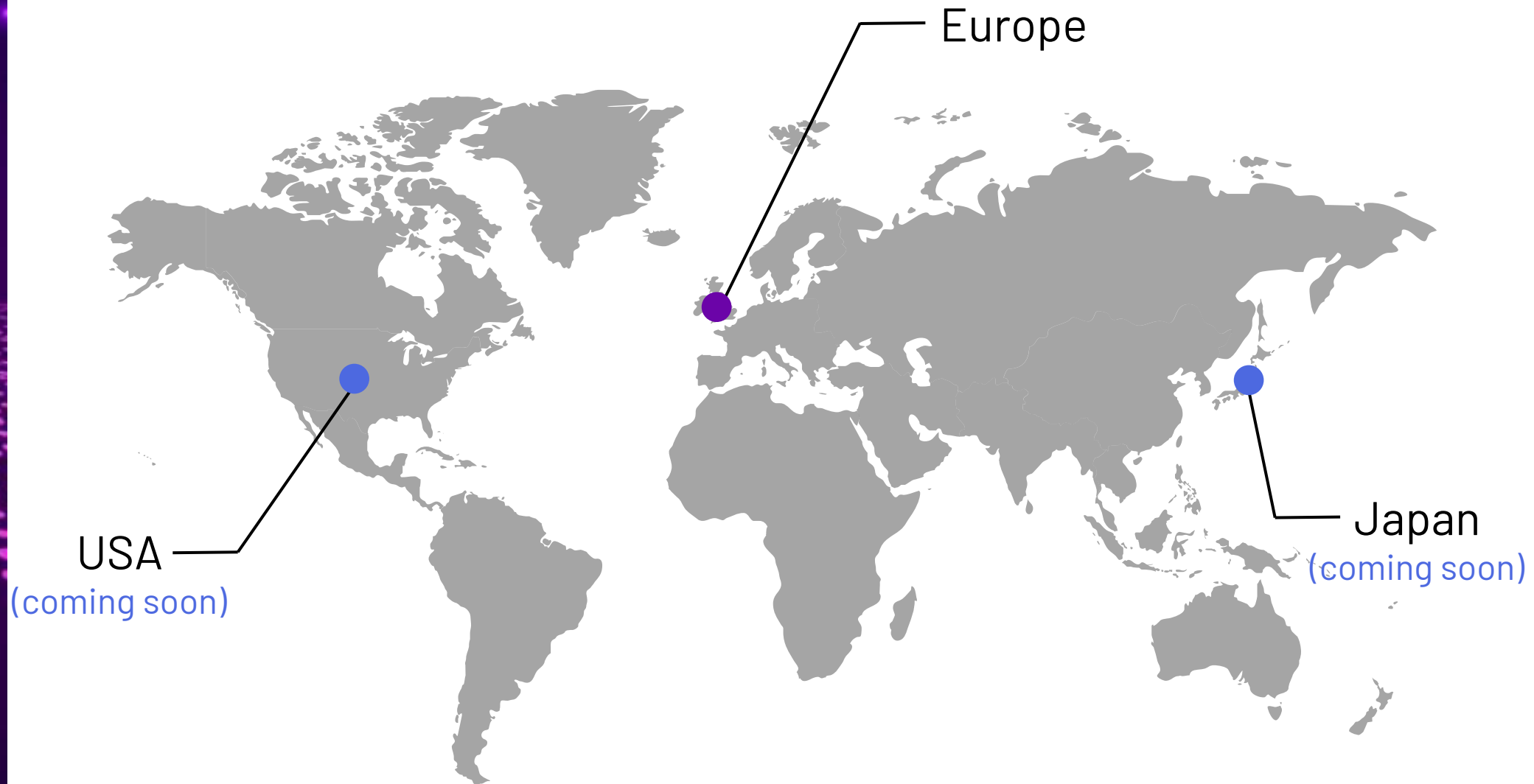


**Data
Regions**



**Distributed
Projects**

Data Regions



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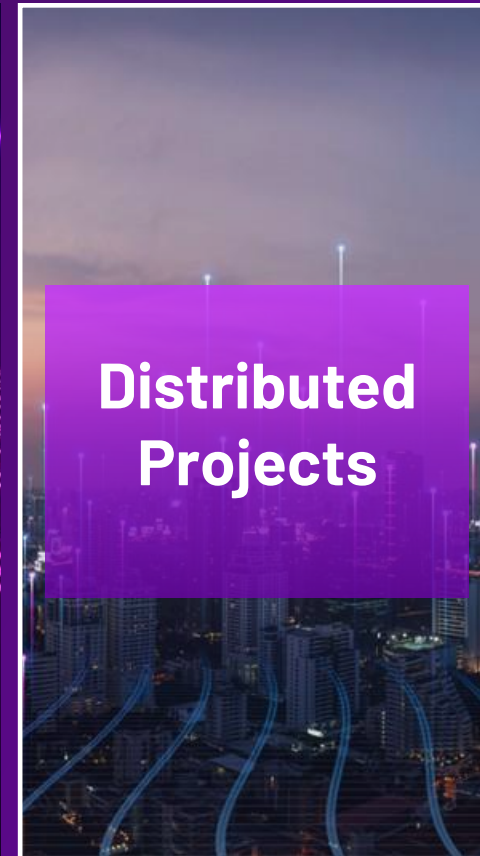
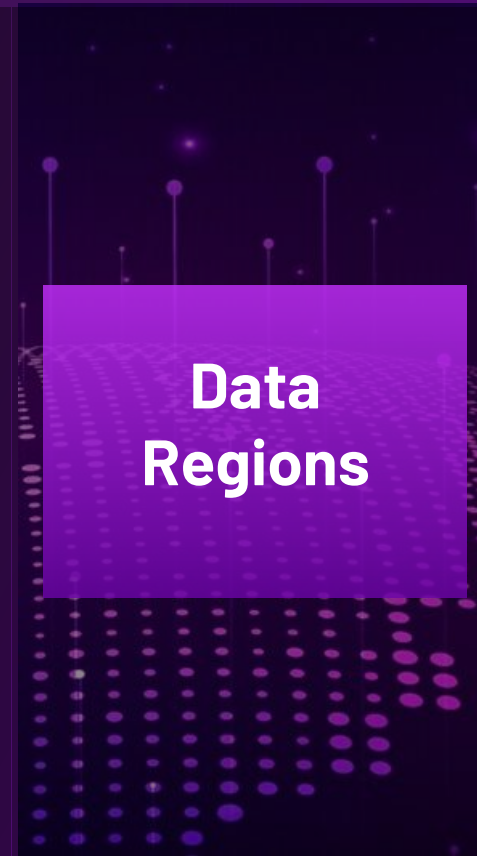
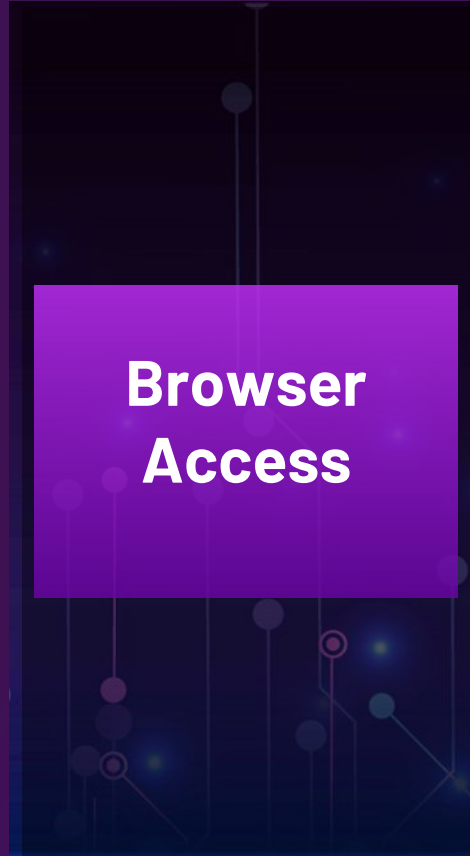
Data Regions



- Meet data residency and sovereignty requirements
- Unlock cloud capabilities for new markets
- Accelerate cloud adoption with confidence

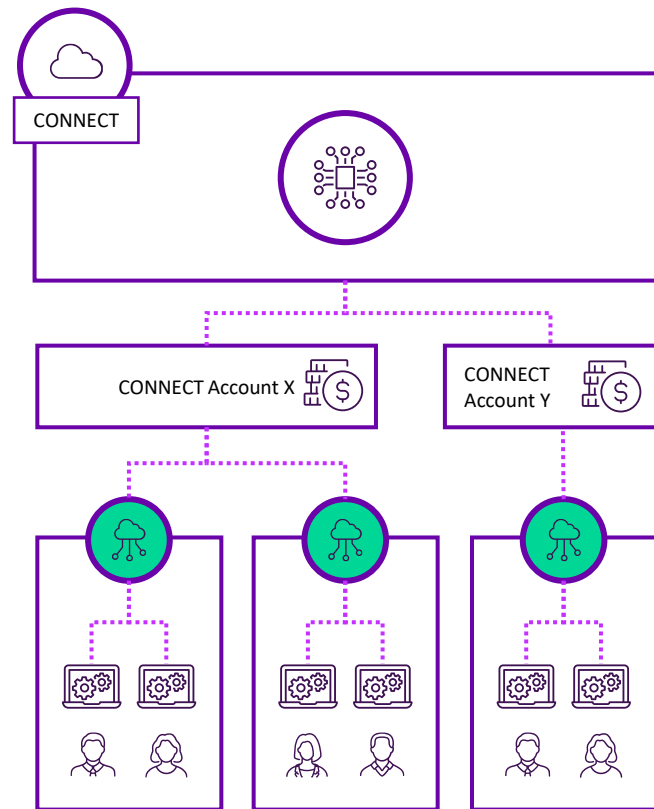
Unified Engineering

Platform Advancements



Distribute work without losing control

Ecosystem collaboration on modern, cybersecure infrastructure

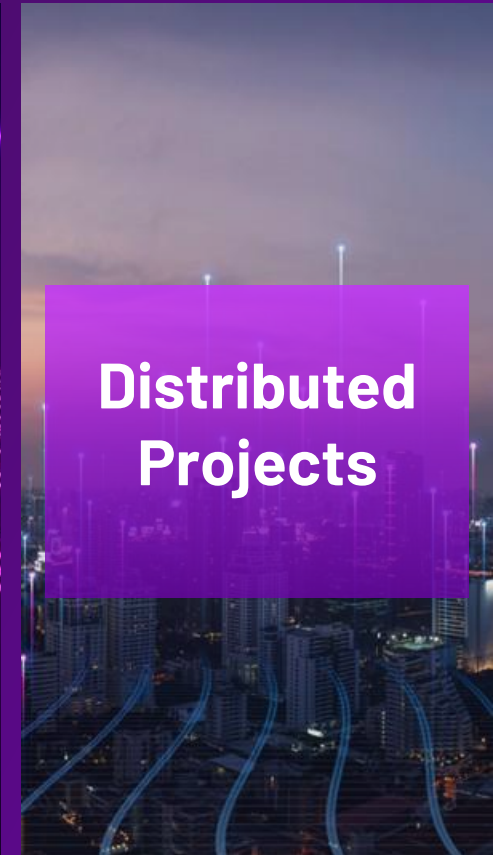
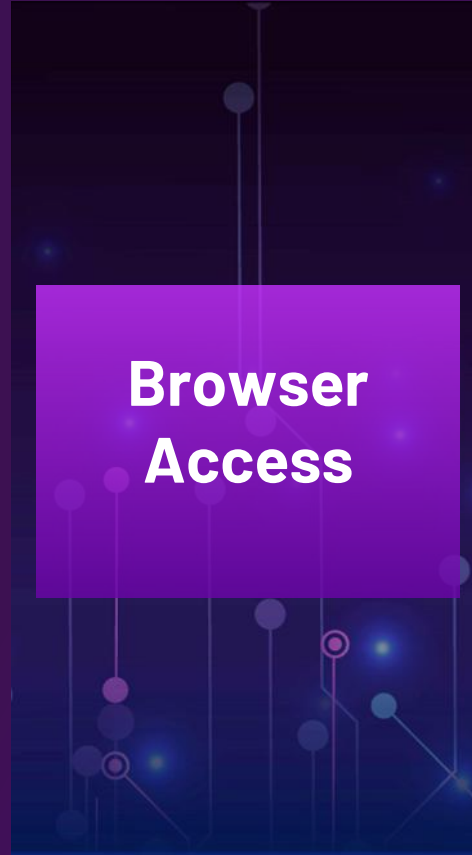


- Onboard partners and distribute scope
- Cloud-native technology, not legacy VPNs and manual data exchange
- Protect intellectual property across your supply chain
- Share only what each contractor needs; the broader project stays confidential

**Distributed
Projects**

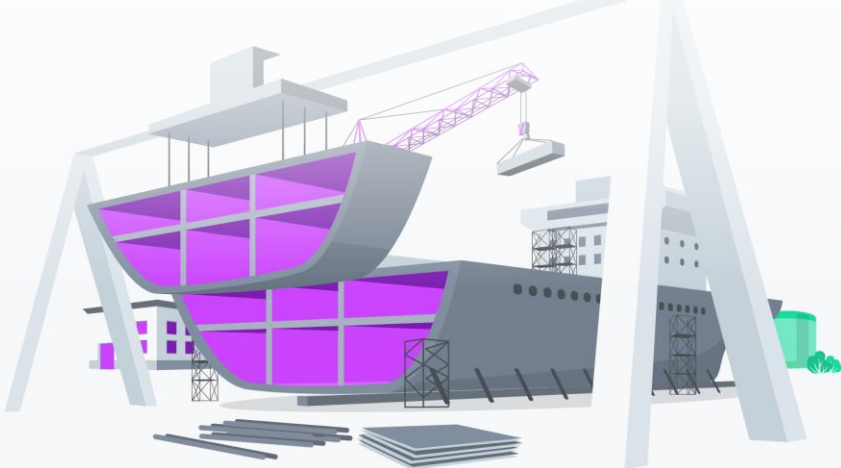
Unified Engineering

Platform Advancements



Sparking innovation in more industries

Marine



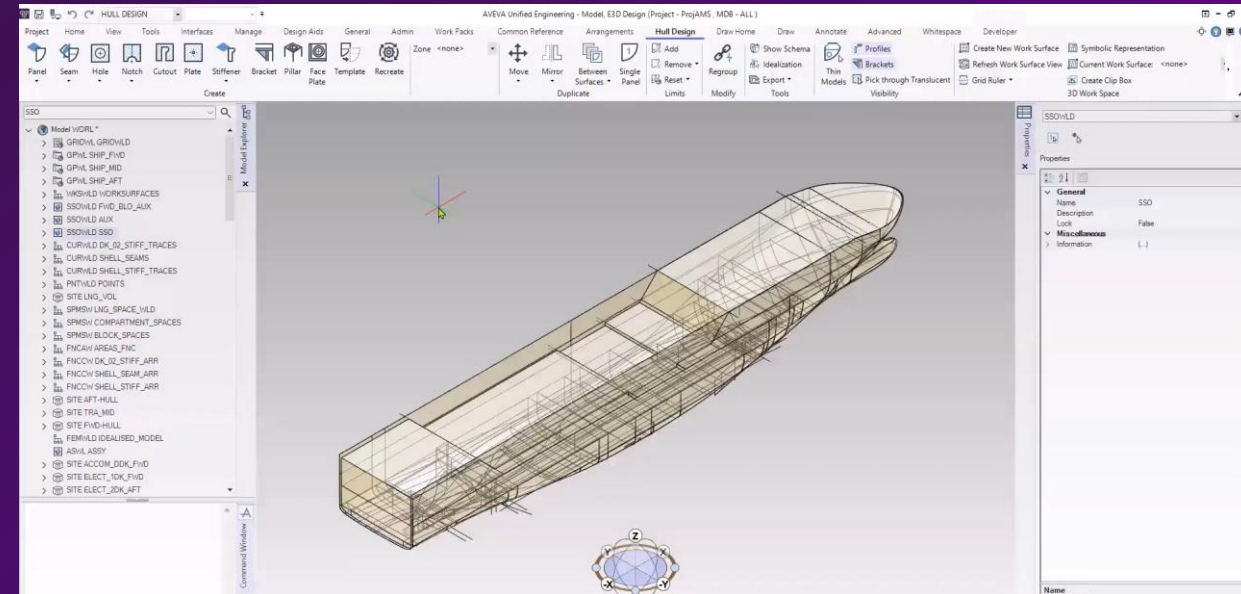
Data centers



Hull design

AVEVA Unified Engineering 5.0

- **Basic & Detailed Hull Design** — Full modelling capability for curves, panels, stiffeners, brackets, clips, block division
- **Production Output** — Manufacturing parts, plate/profile development, bending templates, marking & welding connections
- **Drawing Integration** — Symbolic representation of hull elements in DRAW; production info model flows into deliverables
- **Assemblies** → Fully available in UE 5.0
- **Config migration from 12.1** — Grid, surfaces, curves, drawings, outfitting models & assembly hierarchy all migrate; toolbar-integrated conversion tools.



Marine capabilities in Unified Engineering

Protected investment, modern platform

Config migration from
AVEVA Marine 12.1

Move forward without
starting over

Boost productivity

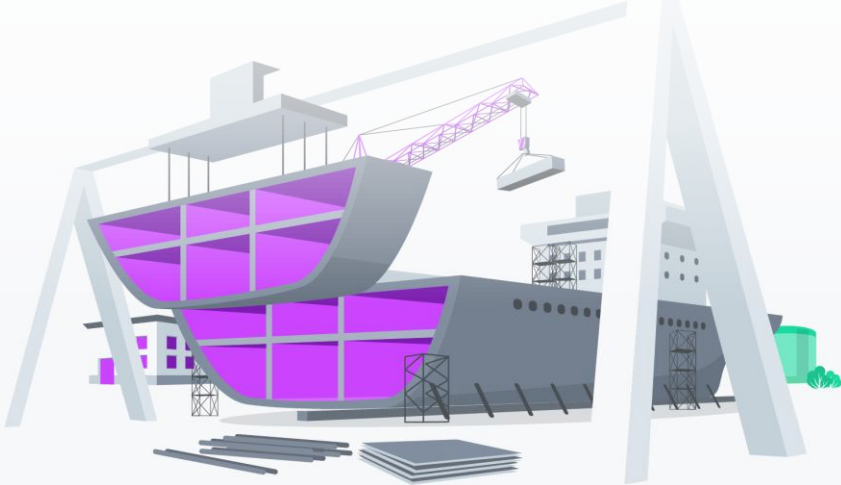
New generation user experience with rule-based design and
AI

Design-to-shop-floor continuity

Reduce rework and keep the yard on schedule

Sparking innovation in more industries

Marine



Data centers

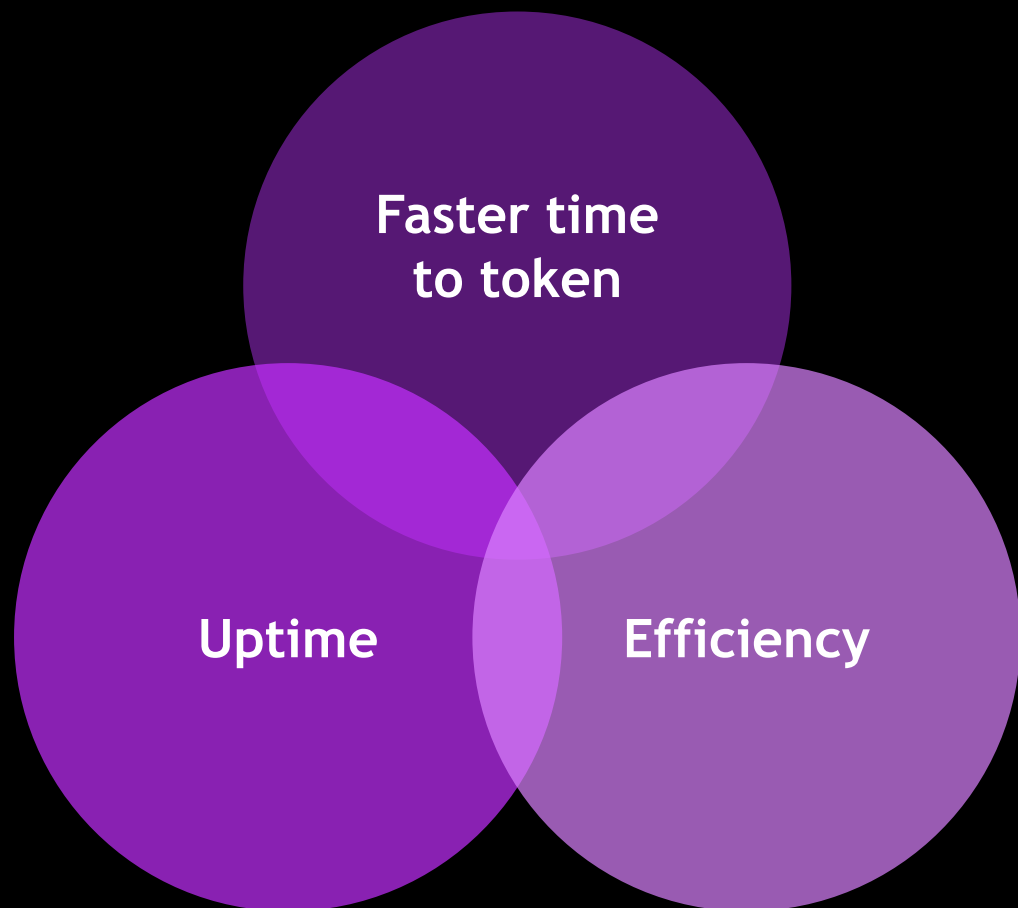


The rise of the “AI factory”: Gigawatt-scale data centers are here

Facility	Operational window	NVIDIA fleet (est.)	Scale
 Colossus 2	Partial / expanding in 2026	1 million GPUs	Crossing 1 GW in 2026 1 million sq. ft. 100-acre campus Est. \$20 billion+ cost
 Meta Hyperion	Scaling in 2027 (full by early 2028)	1.3 million GPUs	Multi-gigawatt class 4 million sq. ft. 2,200-acre campus Est. \$27 billion+ cost
 Microsoft Fairwater	Scaling in 2027 (full by early 2028)	5 million GPUs	Multi-gigawatt class 9 million sq. ft. 315-acre campus Est. \$100 billion+ cost

Maximizing AI factory value

Priorities for AI factories



Lifecycle engineering discipline



High-fidelity simulation



Unified asset information



Grid-aware operations



Real-time operational data systems

AI factories...are *factories*



Massive power demand
Aluminum smelter
comparable to
large cities (300
Mw to 1 Gw+)

Continuous 24/7
operation



Massive critical
Semiconductor "mega-fab"
processes that
cannot tolerate
downtime

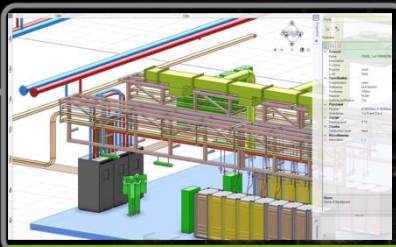


Complex,
multi-layer
Gigawatt-scale data center
infrastructure
(electrical,
thermal,
mechanical)

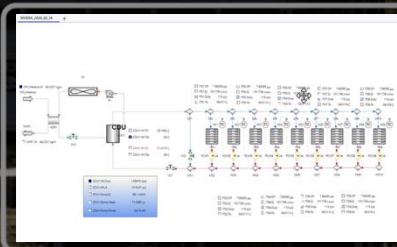
Industrial-scale
planning,
permitting,
safety and
security

Full-lifecycle industrial intelligence for AI factories

Design / Simulate / Build / Operate / Optimize



Design | Data Center room
Modeling
Unified Engineering



Design | Flow Network
Modeling
AVEVA Process Sim



Optimize | Flow Network
Simulation
AVEVA Process Sim



Design and Optimize |
Electrical Modeling and
Simulation
ETAP



Optimize | OT/IT Analytics and
Root Cause Analysis
Advanced and Predictive
analytics



Operate | Visualization and
3rd-party Integrations
CONNECT

OT/IT Data Infrastructure - AVEVA PI System

Asset Information Management - AVEVA AIM



NVIDIA AI



NVIDIA Omniverse



AOUSD
Alliance for OpenUSD

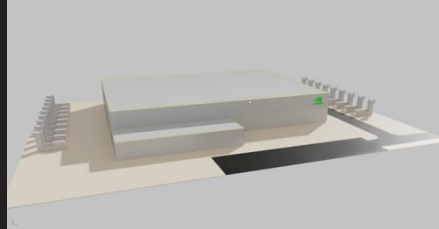
AVEVA

Industrial intelligence in the DSX Blueprint

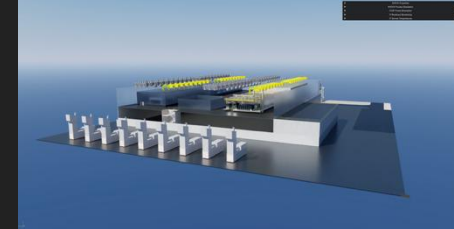
D
Design



Start with the DSX Blueprint 1 GW
from NVIDIA



Import your data center campus
from BIM software



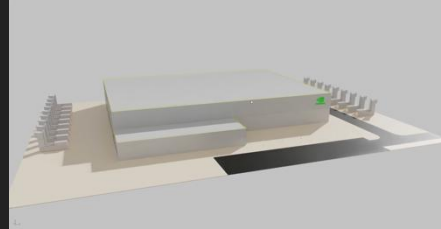
Build an AI factory using SimReady OpenUSD
files and visualize in Omniverse

Industrial intelligence in the DSX Blueprint

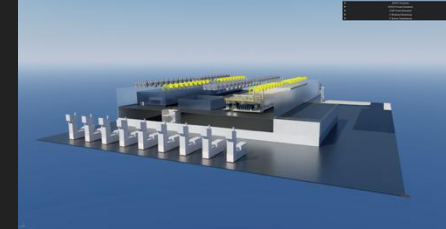
D Design



Start with the DSX Blueprint 1 GW from NVIDIA

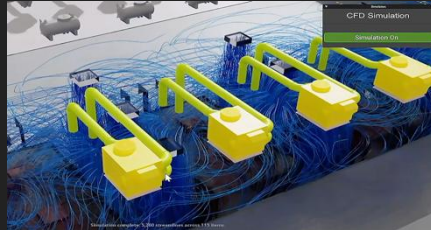


Import your data center campus from BIM software



Build an AI factory using SimReady OpenUSD files and visualize in Omniverse

S Simulate



Run CFD/air simulations to optimize room design and HVAC operations



Run process simulations on water-cooling loops to optimize design, operations and maintenance



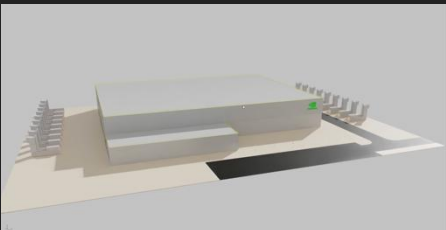
Run power simulations to validate the design, explore what-if scenarios and prepare for next-generation systems

Industrial intelligence in the DSX Blueprint

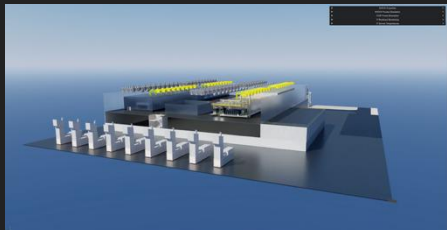
D Design



Start with the DSX Blueprint 1 GW from NVIDIA

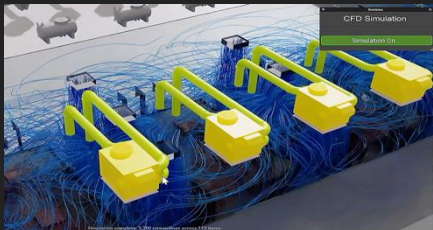


Import your data center campus from BIM software

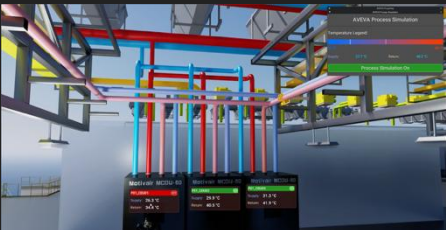


Build an AI factory using SimReady OpenUSD files and visualize in Omniverse

S Simulate



Run CFD/air simulations to optimize room design and HVAC operations



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Run power simulations to validate the design, explore what-if scenarios and prepare for next-generation systems

X eXchange

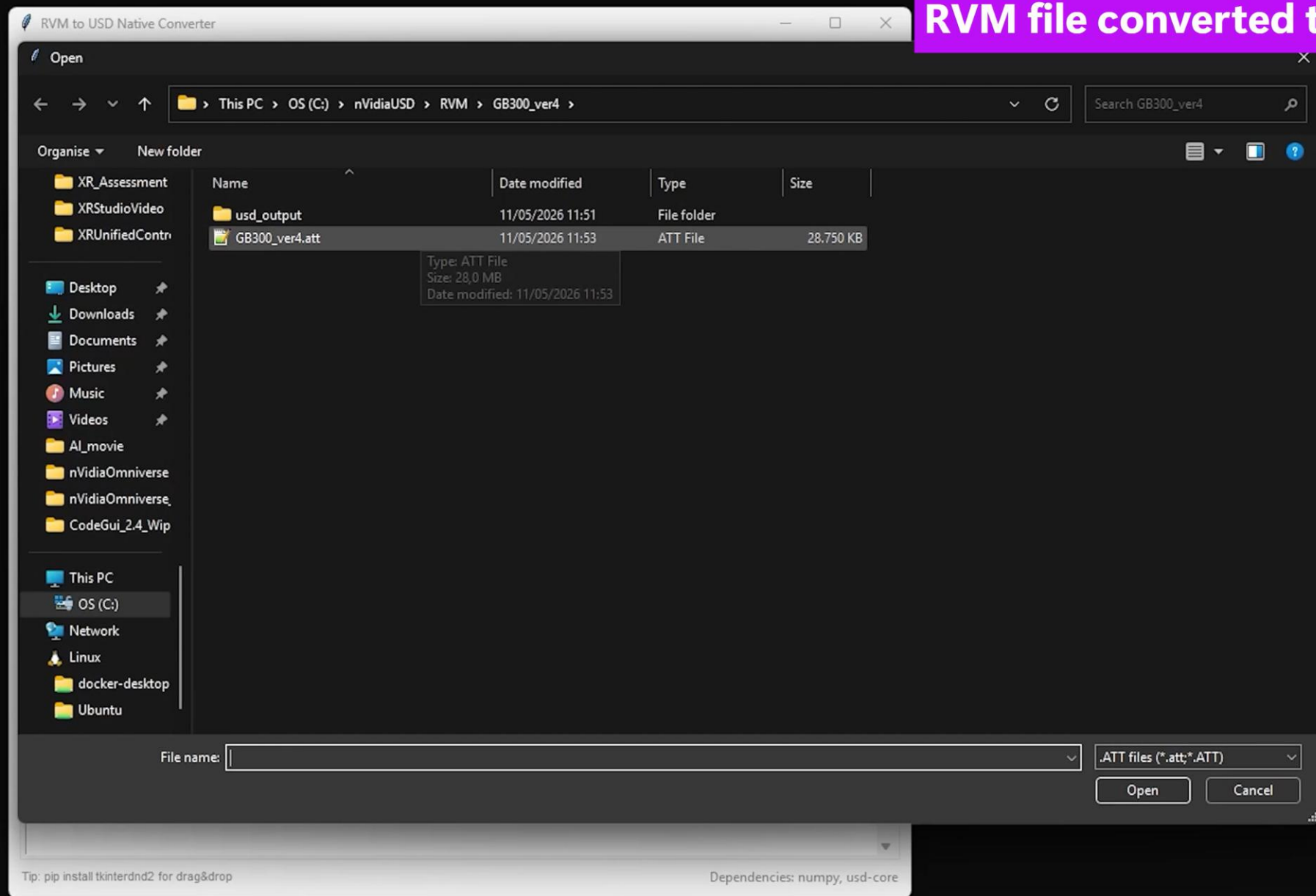


Exchange between digital and physical - Optimize your operational digital twin



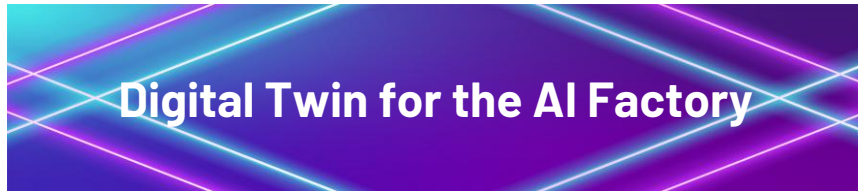
Powered by Schneider Electric - AVEVA - ETAP

RVM file converted to USD

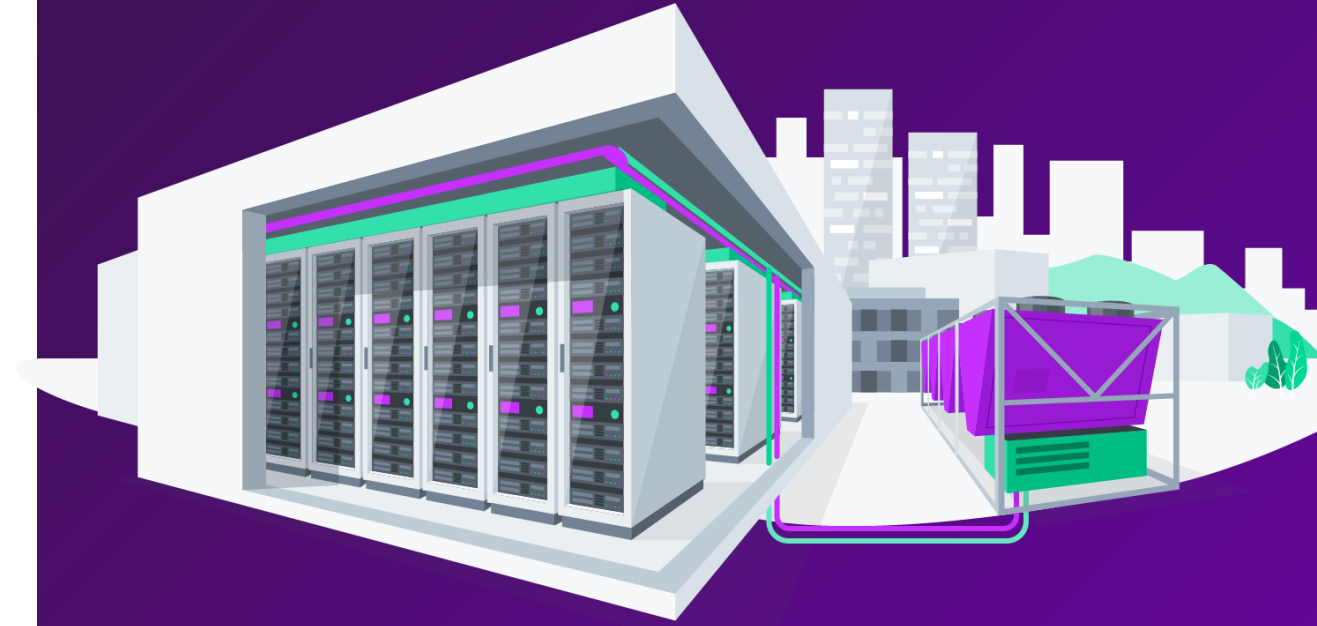


Data-centric data centers

A seamless digital thread throughout



- See more in the Innovation Zone
- If it works for data centers, where else?



Visit Us!

Stop by these booths in the innovation zone for demos and additional information:

Engineer the plant of the future

AVEVA Unified Engineering including 1D / 2D / 3D

Engineer with AI

Generative and predictive AI features

Build the foundation of a trusted digital twin

Handover and AVEVA Asset Information Management

Design innovative processes

AVEVA Process Simulation



Unified Engineering: Driving a path enabling true Digital Engineering

Pre-2023

6 distinct applications

2 tech stacks

3 Core 3rd party components

Multiple integrations

Admin heavy

collaboration tools

Jul 2023

Spectrum Real time

Global collaboration

Dec 2025

Full Browser Access

Communities Cross

Account Data Access and

Billing

Dec 2026

UE Marine

Production AI

Dec 2024

UE 1D/2D/3D delivered as 2 Pre-integrated Apps on a single tech stack with zero core 3rd Party dependencies

2027+

Continuous Development

Features

Performance

UX/UI

Sessions of Interest

Community Group: AI driven engineering – unlocking the next wave of productivity

Boost design performance, streamline workflows, and improve the quality of engineering deliverables.

Wednesday, May 20 @ 4:00 pm

Brown 1 – Level 2

Unified Engineering 4.0 deep dive

A detailed look into the major features and functions in UE4.0 and forthcoming releases.

Thursday, May 21 @ 9:00 am

Brown 3 – Level 2

Roundtable: Transitioning to AVEVA Unified Engineering from legacy AVEVA products

A forum for current customers of AVEVA E3D Design, AVEVA Engineering, AVEVA P&ID, AVEVA Electrical & Instrumentation.

Thursday, May 21 @ 9:45 am

Amber 5 – Level 2 – "The Hive"



**BREAKOUTS &
ROUNDTABLES**

This presentation may include predictions, estimates, intentions, beliefs and other statements that are or may be construed as being forward-looking. While these forward-looking statements represent our current judgment on what the future holds, they are subject to risks and uncertainties that could result in actual outcomes differing materially from those projected in these statements. No statement contained herein constitutes a commitment by AVEVA to perform any particular action or to deliver any particular product or product features. Readers are cautioned not to place undue reliance on these forward-looking statements, which reflect our opinions only as of the date of this presentation.

The Company shall not be obliged to disclose any revision to these forward-looking statements to reflect events or circumstances occurring after the date on which they are made or to reflect the occurrence of future events.

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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