



AVEVAWORLD



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Building and Evolving a Digital Twin Leveraging your Existing Investments

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IT/OT Convergence

Digital Transformation

Digitalization journey

Data quality

Digitalization

Simulation

Virtual Twin

Engineering Digital Twin

**Process Digital
Twin**

Information management

1D/2D/3D data

Asset Digital Twin

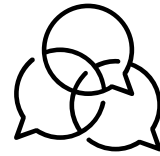
Real time data

**DIGITAL
TWIN**



AVEVA

**HOW MANY OF YOU HAVE
USED A DIGITAL TWIN IN
THE PAST DAY?**



**OR THE
PAST WEEK?**



What are the characteristics of a Digital Twin?

One we use everyday:

- Intuitive and layered
- Intelligent and contextualized
- Realtime data linked to static data
- Extensible
- Accurate and trusted



Google Maps mistakenly directs tourists looking for Blue Mountains in Australia to dead-end cul-de-sac

Confused visitors come by most days

Ravneet Ahluwalia • Thursday 05 October 2017 12:12 BST • [Comments](#)



Source: Independent



The Digital Twin

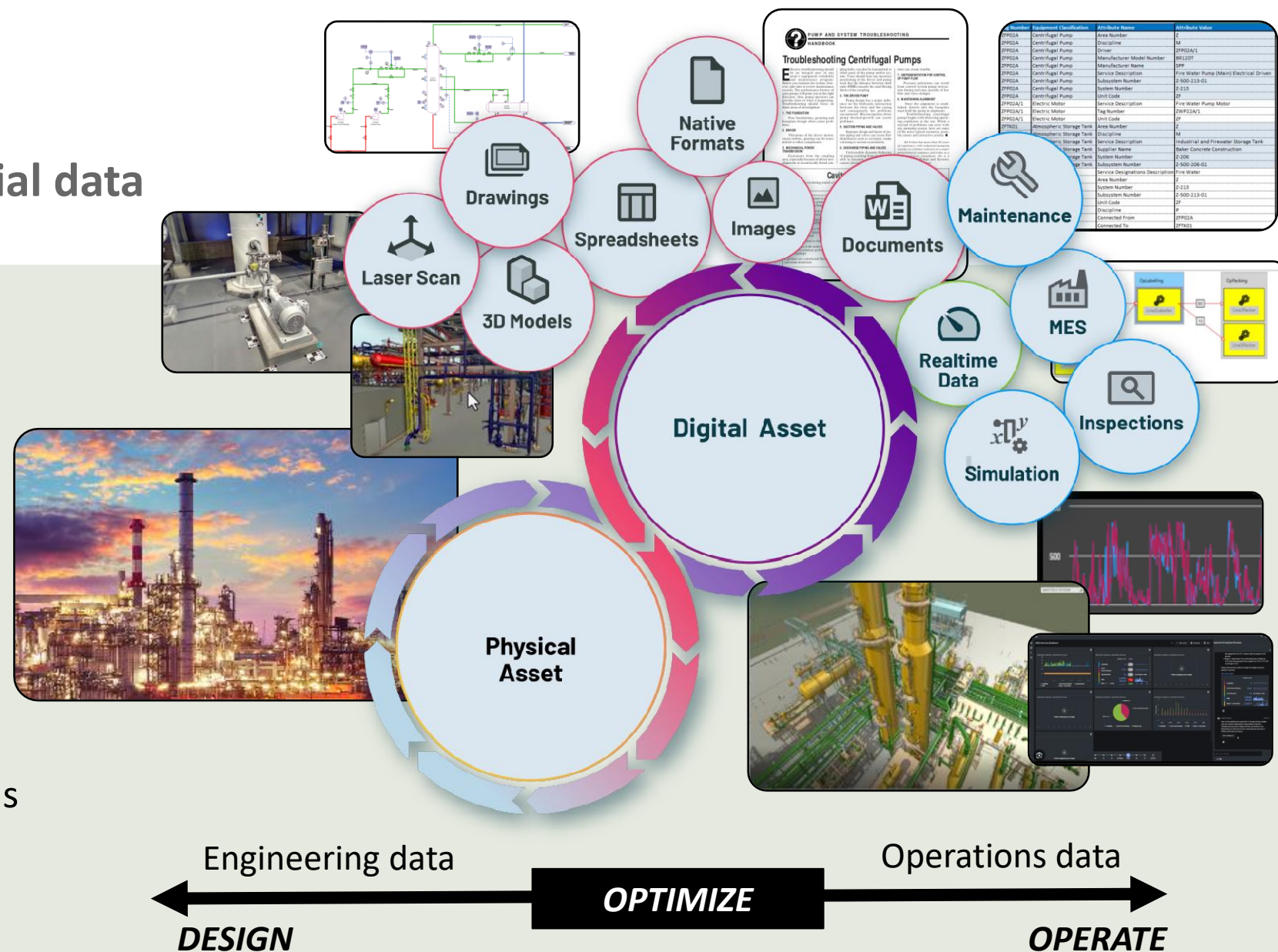
A map for ALL YOUR industrial data

Harmonize, contextualize and
visualize data



Enabling:

- **Rapid** access to information
- **Proactive** action and optimizations
- **Informed** decision making



CONNECT

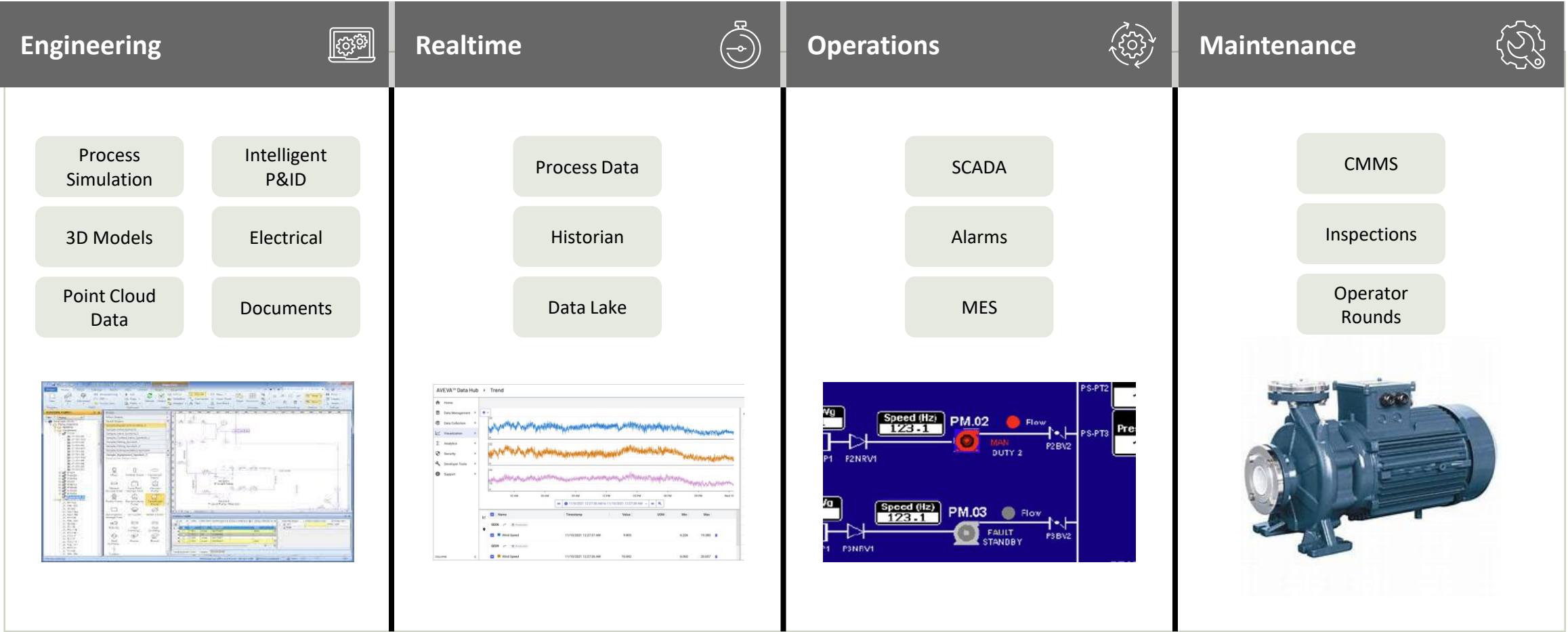
The data we asked for:







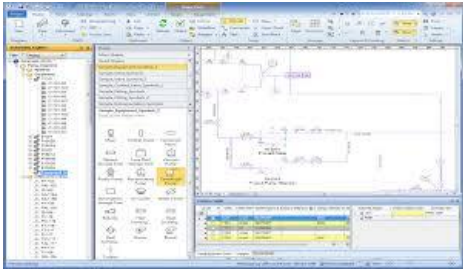

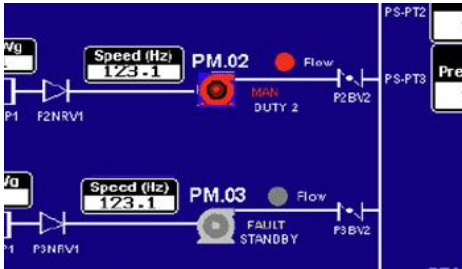

The data we got:







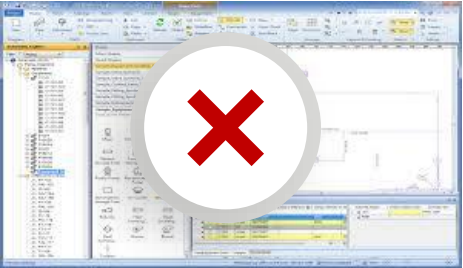

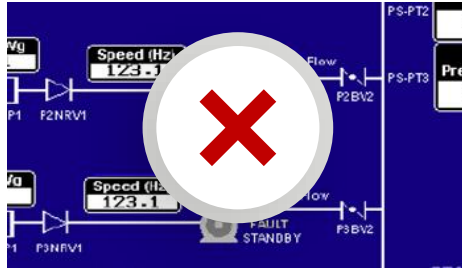
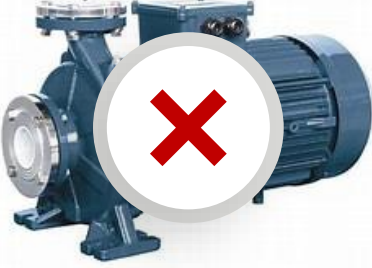
Data generated across the lifecycle



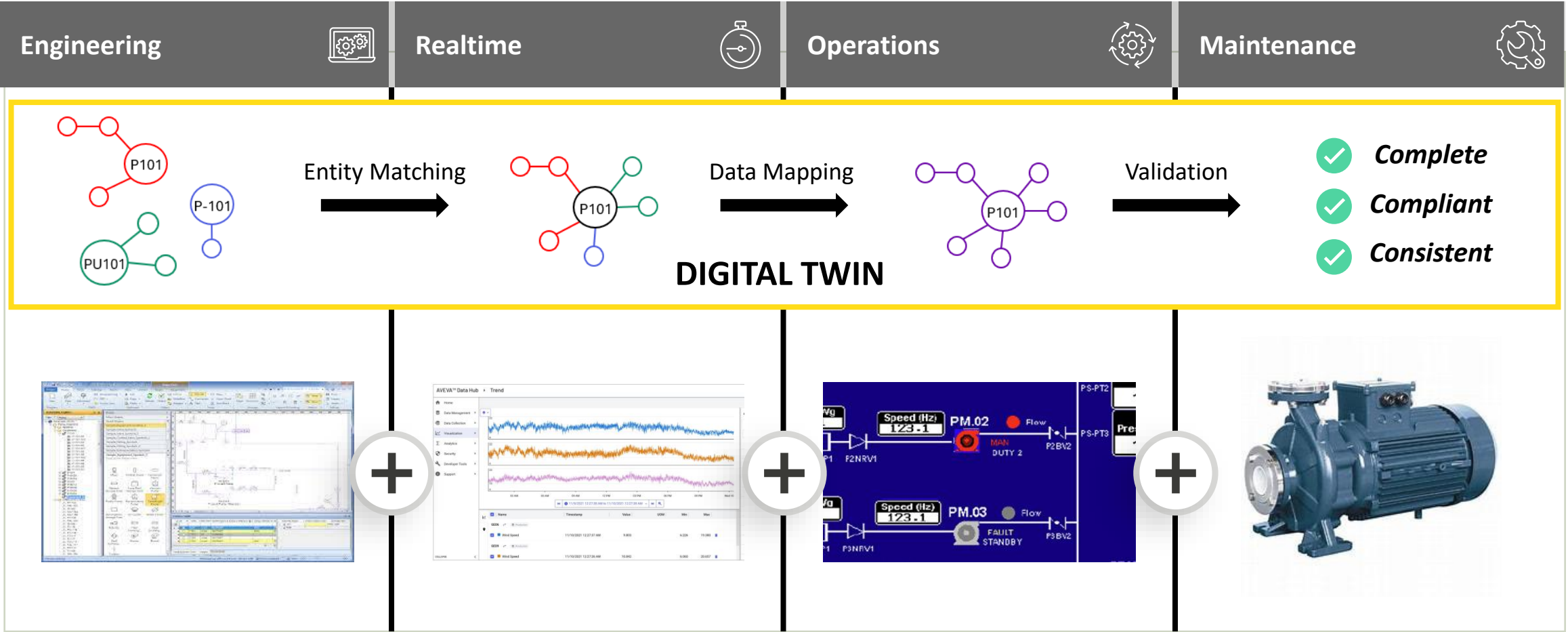
Typical persona-based use cases

Engineering 	Realtime 	Operations 	Maintenance 
<div>Project Performance/Status</div> <div>Cost/Schedule</div> <div>Design Optimization</div> <div>Operational Readiness</div>	<div>Real time calcs / status</div> <div>Rollup calcs</div> <div>Historical trends</div> <div>Operations Optimization</div>	<div>System Automation</div> <div>Autonomous Control</div> <div>Decision Support</div> <div>Plant Performance/Safety</div>	<div>Predictive Maintenance</div> <div>Prescriptive Procedures</div> <div>Maintenance Optimization</div> <div>Cost vs Risk</div>
			

...are NOT a digital twin

Engineering 	Realtime 	Operations 	Maintenance 
<p>Project Performance/Status</p> <hr/> <p>Cost/Schedule</p> <hr/> <p>Design Optimization</p> <hr/> <p>Operational Readiness</p> 	<p>Real time calcs / status</p> <hr/> <p>Rollup calcs</p> <hr/> <p>Historical trends</p> <hr/> <p>Operations Optimization</p> 	<p>System Automation</p> <hr/> <p>Autonomous Control</p> <hr/> <p>Decision Support</p> <hr/> <p>Plant Performance/Safety</p> 	<p>Predictive Maintenance</p> <hr/> <p>Prescriptive Procedures</p> <hr/> <p>Maintenance Optimization</p> <hr/> <p>Planning</p> 

Build a trusted digital twin



Digital Transformation Journey

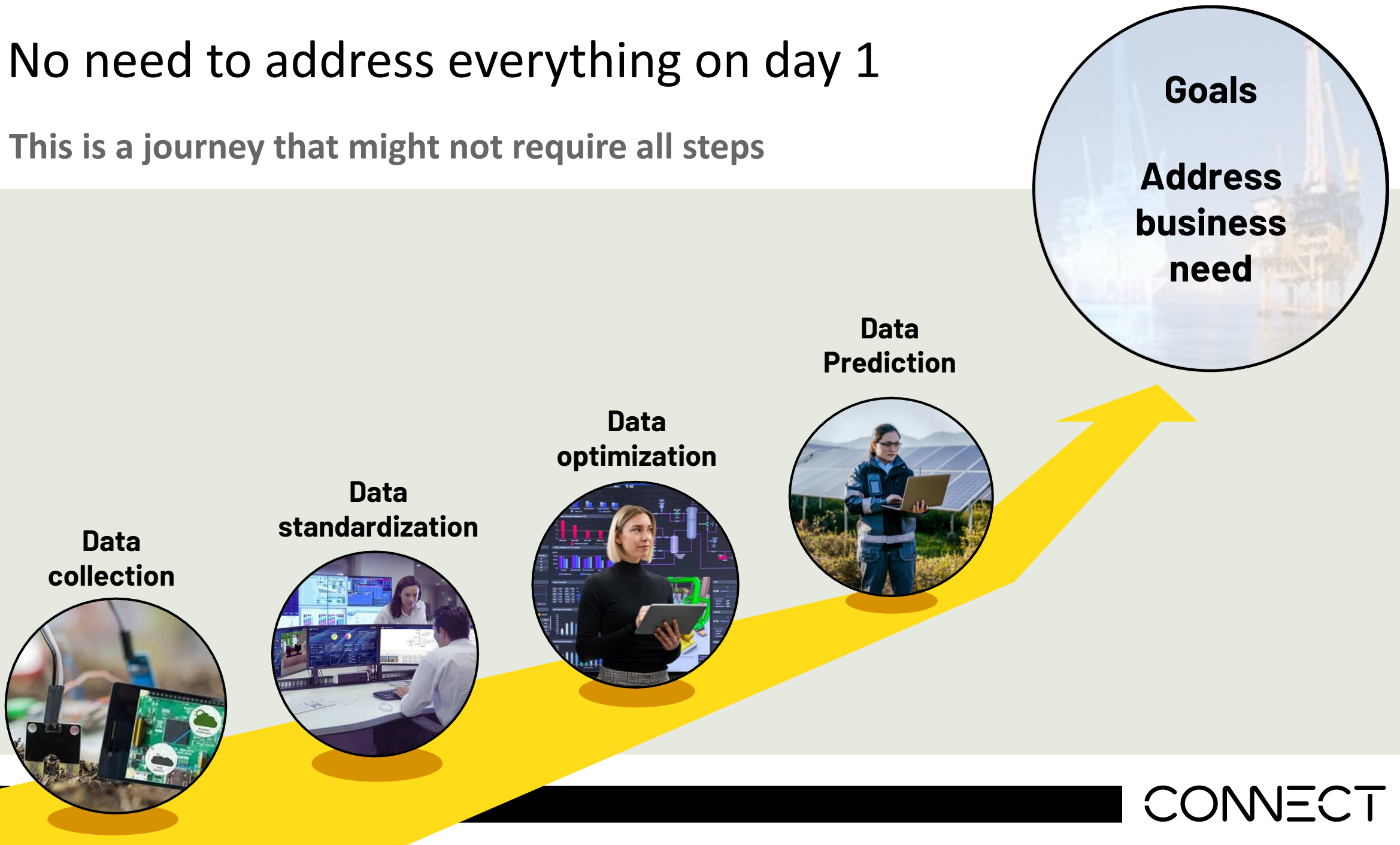
Proposed by AVEVA



CONNECT

No need to address everything on day 1

This is a journey that might not require all steps



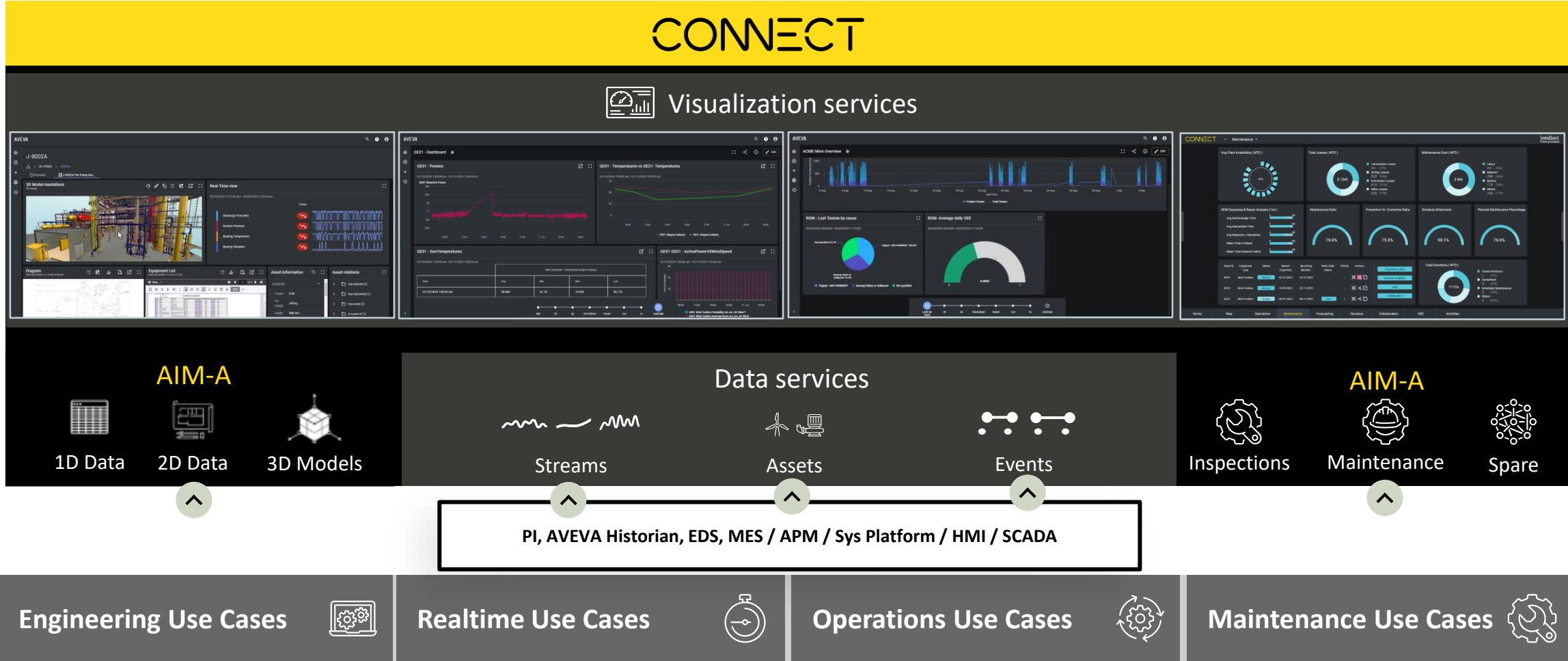
Leverage your existing investment

Available Today



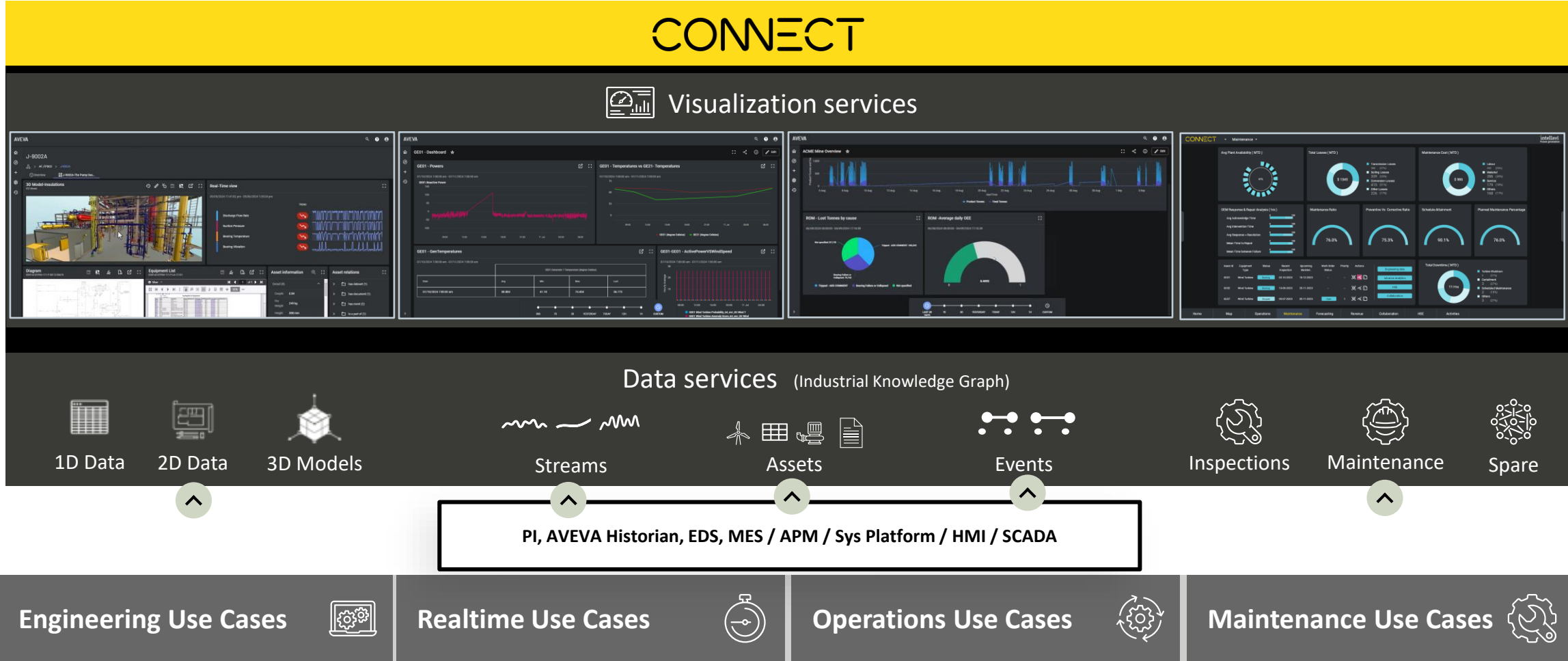
Leverage your existing investment

Available Q3 2025

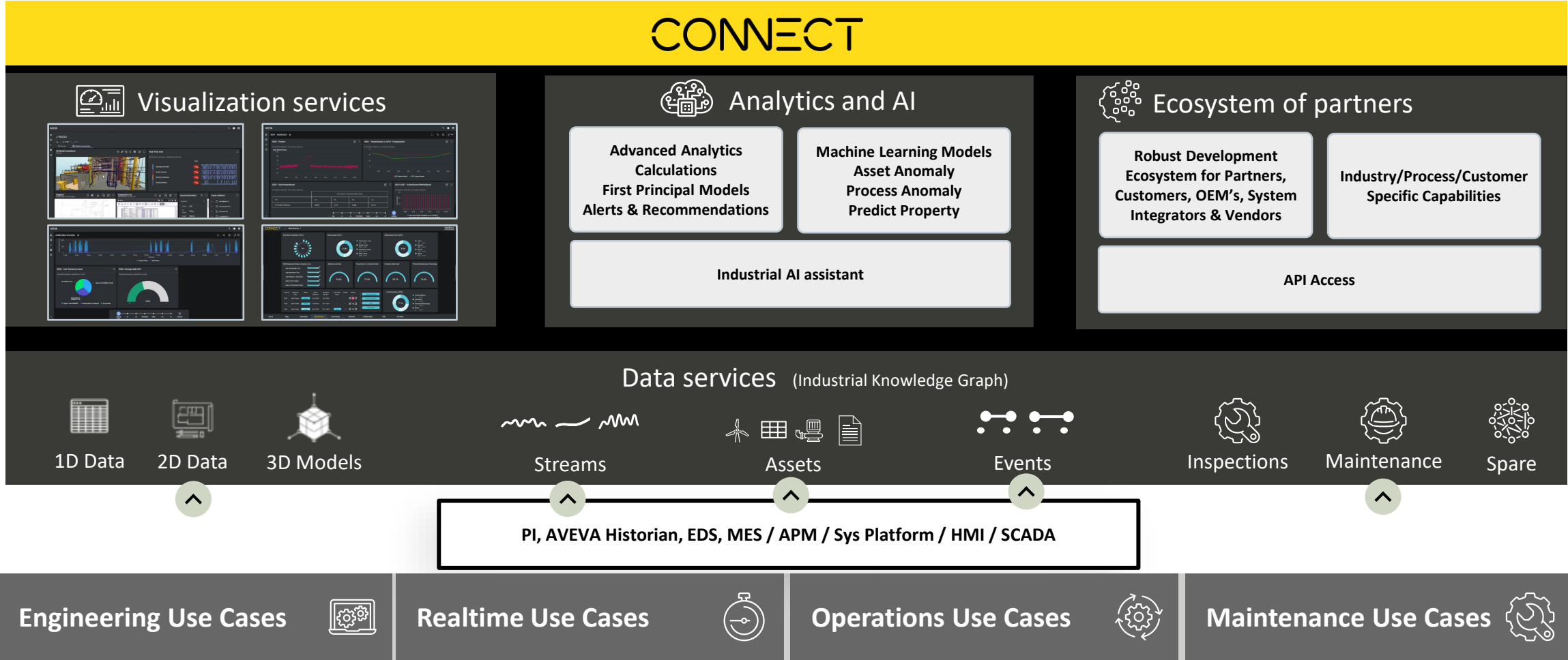


Increase use case and Incremental value

Available 2026



Increase use case and Incremental value



Key takeaways



Get value over time!

Focus on your most important business needs first



Preserve and bring forward investments

We provide an incremental and smooth upgrade path



Expand to address more business needs

Meet our experts to identify new opportunities

Get production ready AIM in 2 months
Discover our CONNECT Explorer program



Recommended Sessions

AVEVA Roadmap: Engineering Information Management

Wednesday, April 9 @ 1:45 PM

Room 2005-2007

Transforming Data into Results: The Forzy AIM experience

Wednesday, April 9 @ 4:00 PM

Room 2000



Questions?



Please wait for the microphone.
State your name and company.

Please remember to...


Navigate to this session in the
mobile app to complete the survey.

Thank you!



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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.

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