

Innovation at AVEVA

Andrew McCloskey
Chief Technology Officer, AVEVA



Underlying assertions driving AVEVA innovation



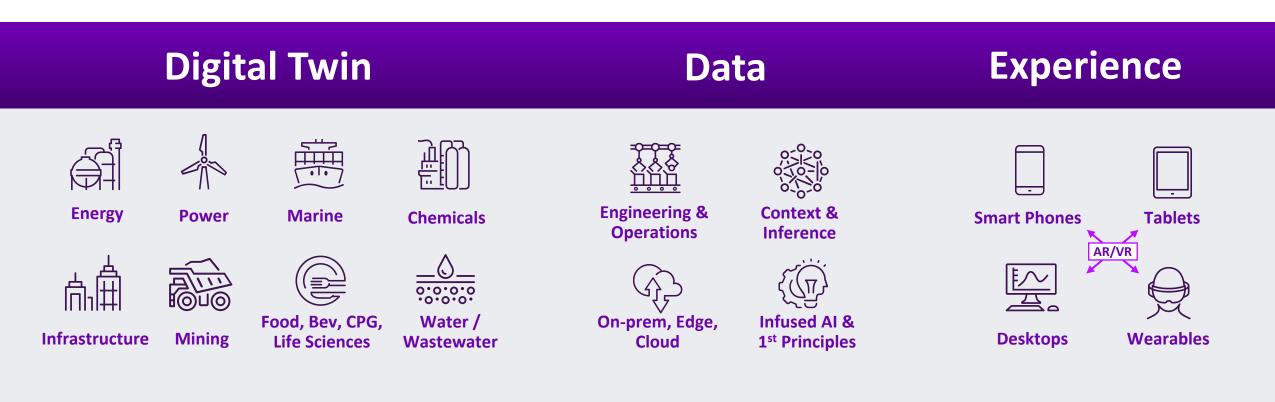
TIME IS PRECIOUS



THE EARTH IS PRECIOUS



Three key components required to accelerate your digital transformation



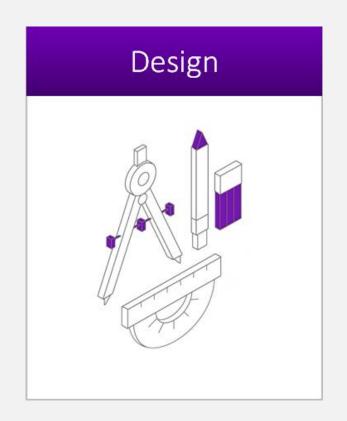
All with 'Infused AI' to amplify the customer value



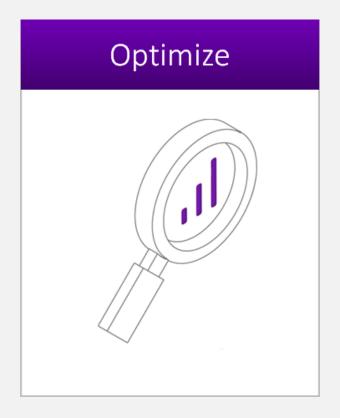




















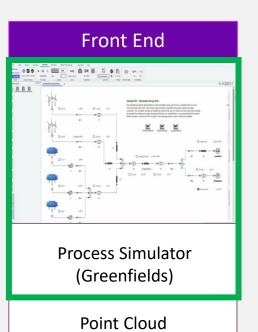






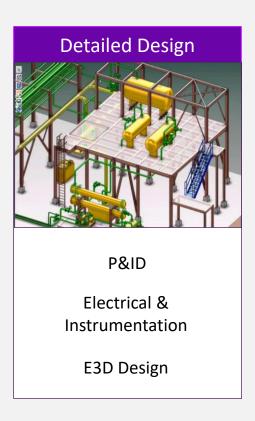


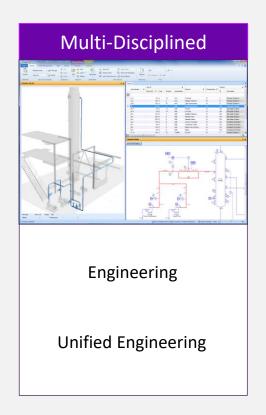




Manager

(Brownfields)









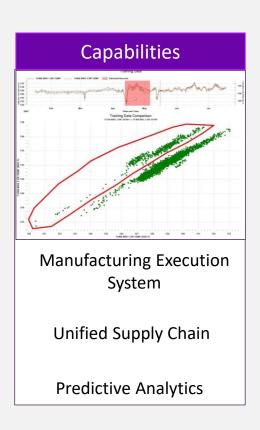


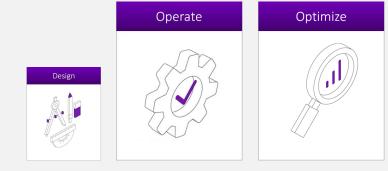


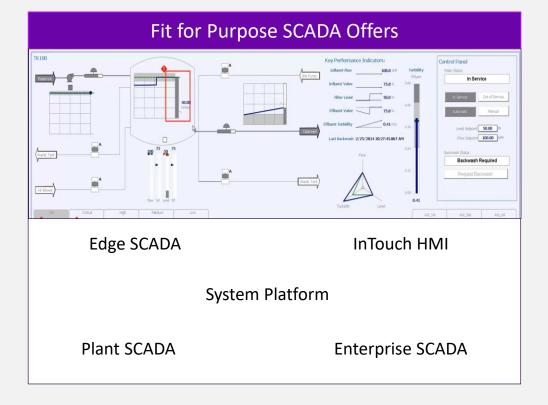


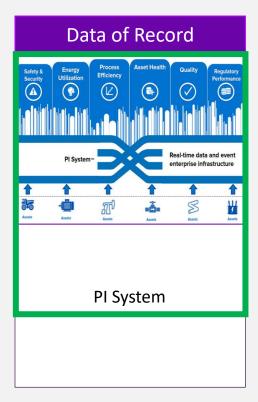








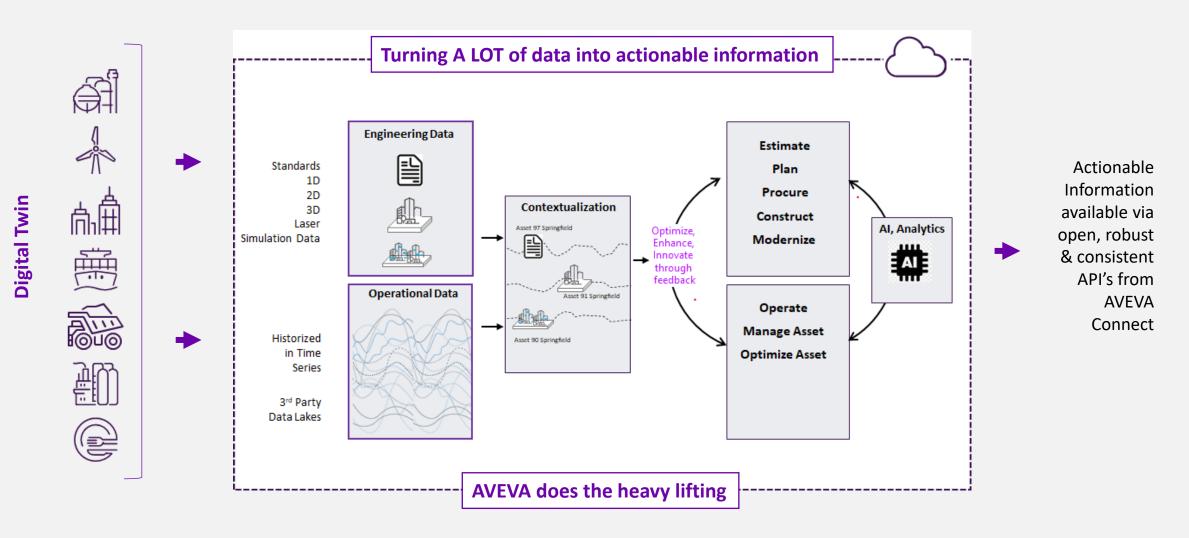




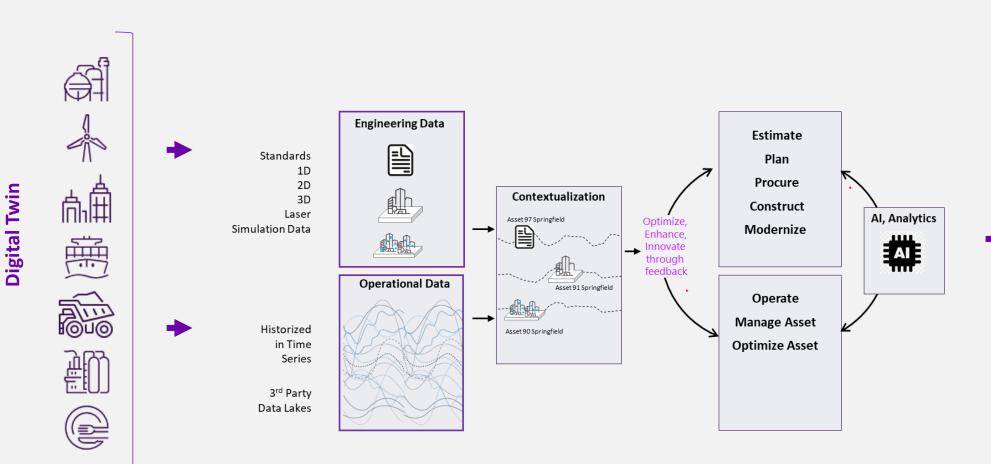












Unmatched User Experience Operational & Engineering Data in Context Insight (Full Digital Twin) **Unified Operations Center** (Full Digital Twin + much more) **Industrial Metaverse** (Natural Next Extension)



Covering:

- The Digital Twin
- The Data
- The Experience

With Infused Al



Demo 1: Birth of the Digital Twin

Customer Value: Using AI to go from laser scan to working 3D model faster than ever – converting a brownfield into a digitized asset.

Demo 2: Data into Actionable Info

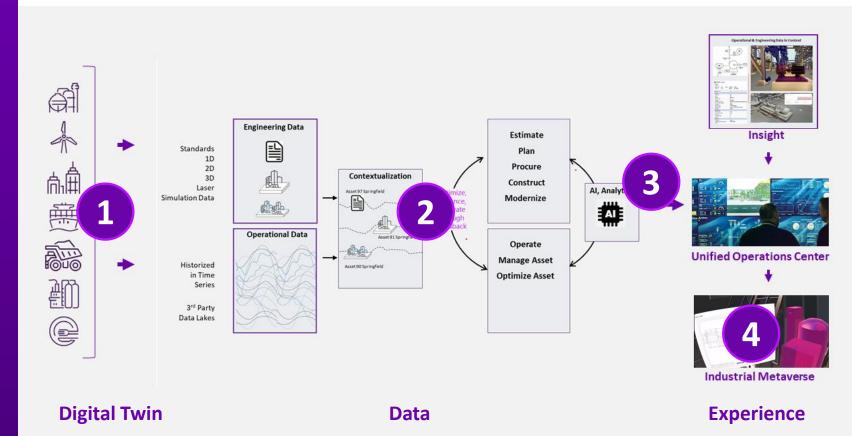
Customer Value: Provides context between engineering data, operational data, and 3rd party data lakes to provide actionable information

Demo 3: Al Infused Throughout

Customer Value: In this case, Vision AI provides unique insights that the human eye or sensors cannot easily detect – w/ integrated experience

Demo 4: Industrial Metaverse

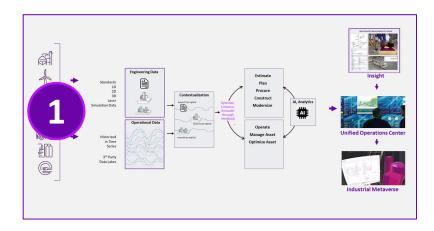
Customer Value: This early PoC shows the incremental, yet highly amazing value for collaborative engineering & remote operations





Demo 1: Birth of the Digital Twin

Customer Value: Using AI to go from laser scan to working 3D model faster than ever — converting a brownfield into a digitized asset.



Guest Speaker



Stephen Burrows R&D Director, Plant 3D

Customer Value Statement



- Digitized brownfields with Infused AI
- Classification capability solves puzzle
- Full 3D modeling with E3D to modernize asset



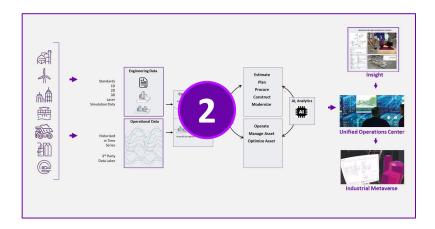
Going from laser scan to working 3D model using Infused AI





Demo 2: Data into Actionable Info

Customer Value: Provides context between engineering data, operational data, and 3rd party data lakes to provide actionable information



Guest Speakers



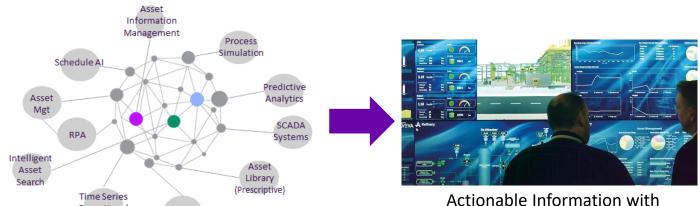
Erwin Gove
CTO, Cloud Platform



Sasha Krivonosova PI System Global Architect

Customer Value Statement

- Turns a lot of data into actionable information
- Performs heaving lifting towards contextualizing multiple sources
- Fully integrated into our market leader Experience offers

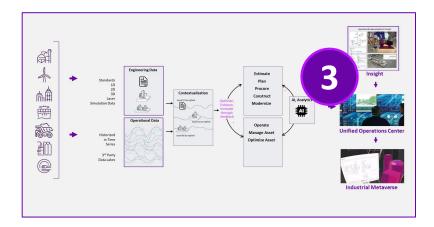


World Class User Experience



Demo 3: Al Infused Throughout

Customer Value: In this case, Vision AI provides unique insights that the human eye or sensors cannot easily detect – w/ integrated experience



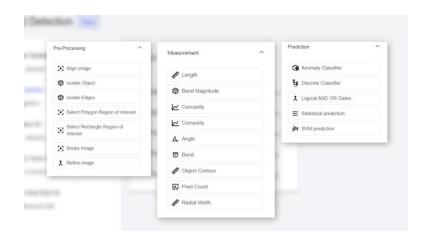
Guest Speaker

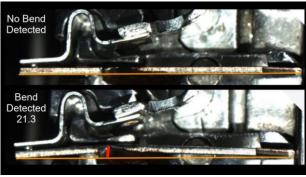


Shreeya Mody
Al R&D Team Member

Customer Value Statement

- Catches what sensors and humans cannot
- Augments camera capabilities with Infused AI
- Completely integrated with AVEVA Connect & HMI Offers

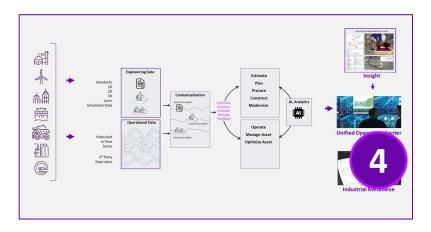






Demo 4: Industrial Metaverse

Customer Value: This early PoC shows the incremental, yet highly amazing value for collaborative engineering & remote operations



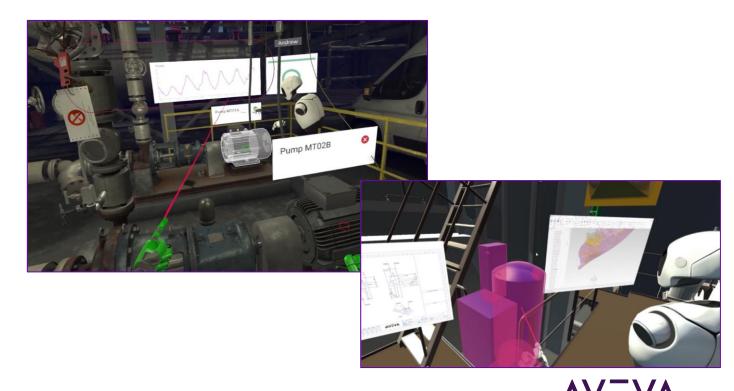
Guest Speaker



Simon Bennett
Director of Metaverse Business Development

Customer Value Statement

- Naturally extends current capability offered today
- Not about the goggles, as it works on any device
- Highly relevant: 1) Remote Operations & 2) Collaborative Engineering



Summary

Time is Precious



Earth is Precious



The core components towards managing / optimizing above:

- The Digital Twin
- The Data
- The Experience

We are uniquely qualified to serve you best!



AVEVAWORLD

SAN FRANCISCO 2022