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APRIL 2025

AVEVA Unified Engineering 3.0

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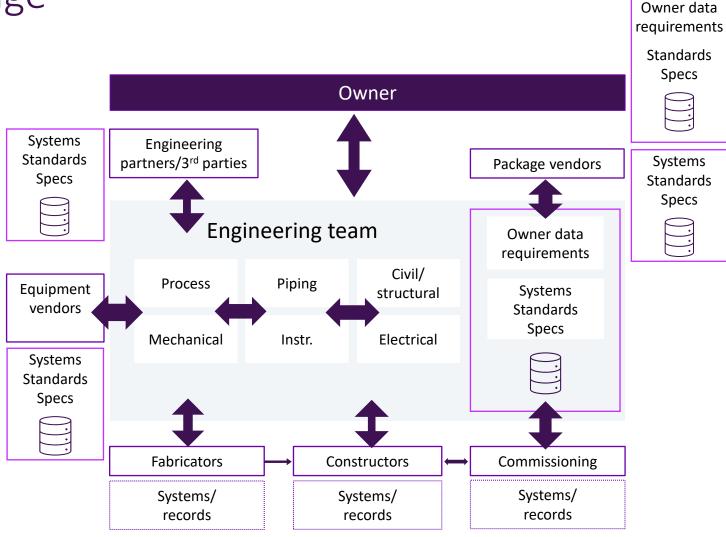
Brian Hughes, Head of Portfolio / Engineering, AVEVA Ian Piggott, Sr. Principal Consultant / Presales, AVEVA Paulo Andrade, Sr. Manager / Presales, AVEVA

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The Challenge

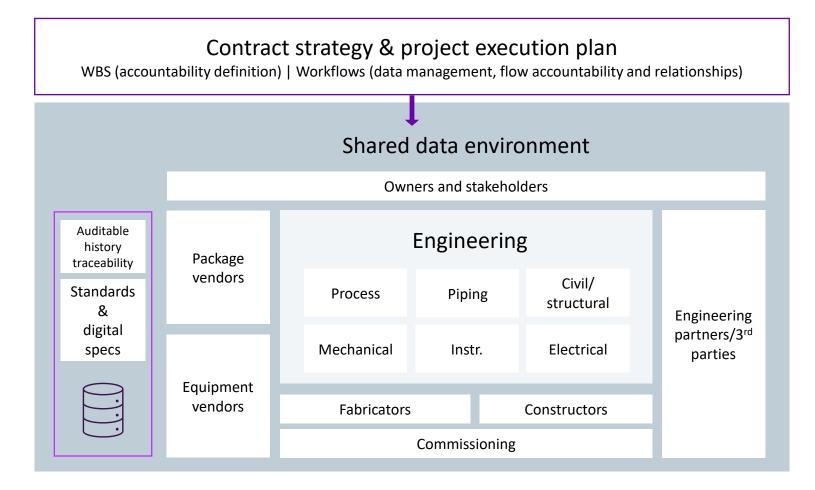


Engineering 3.0

Disconnected systems, teams and project data



The Challenge



Engineering 4.0

Connected systems, teams and project data



The Challenge

Collaboration challenges for current solutions



Multiple technologies drive incremental cost and have performance limitations

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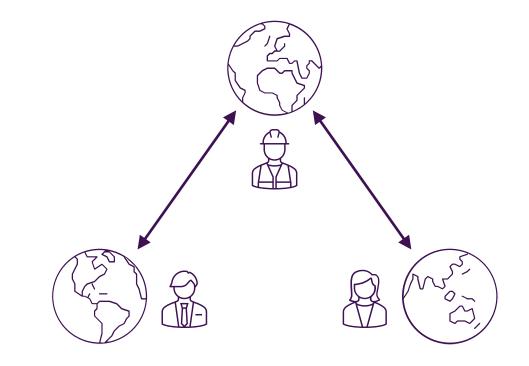
Significant time and cost for both setup and maintenance require experienced resources



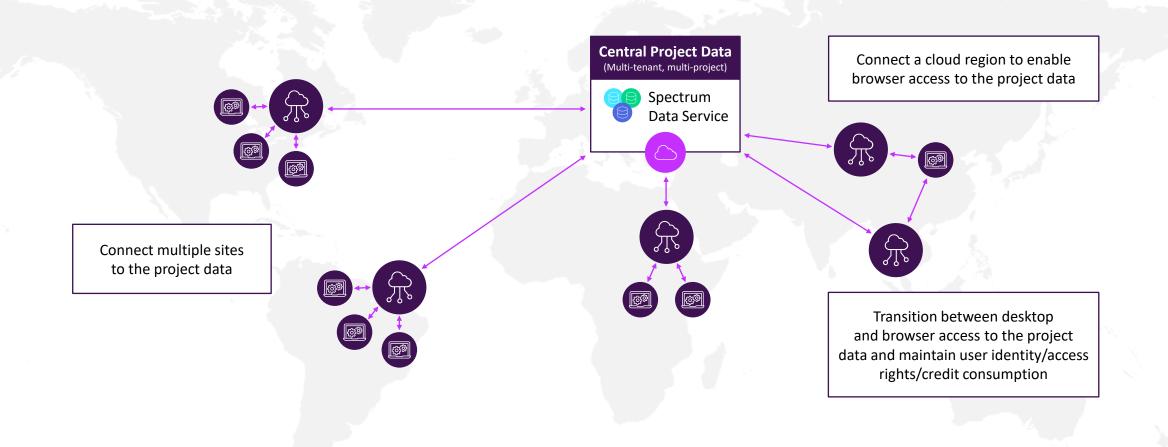
IT security and data access controls demands limit extent of data sharing and collaboration



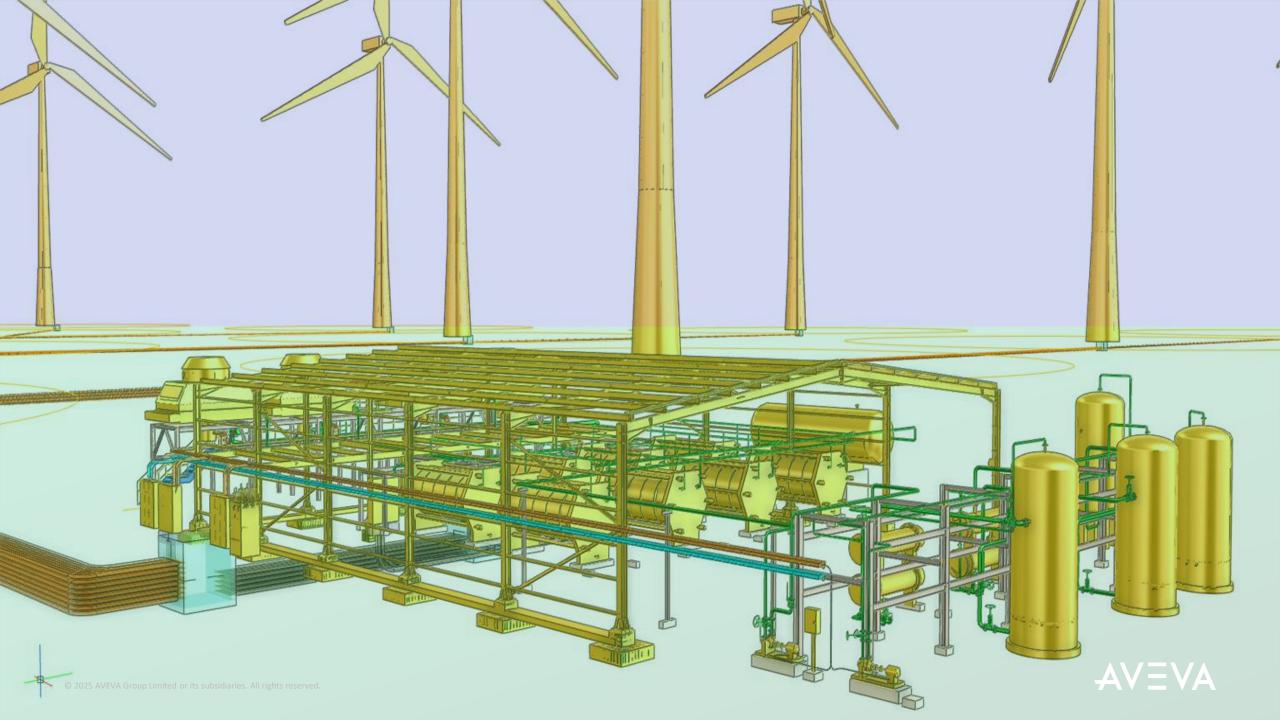
Brittle configurations that cannot be adjusted as projects, facilities, and businesses mature



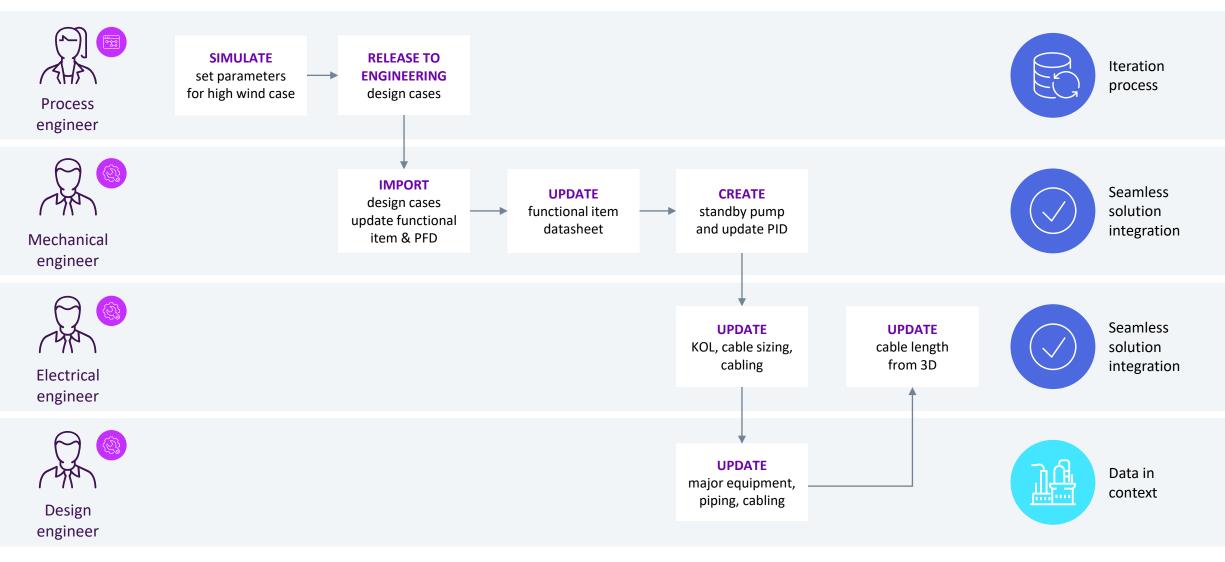
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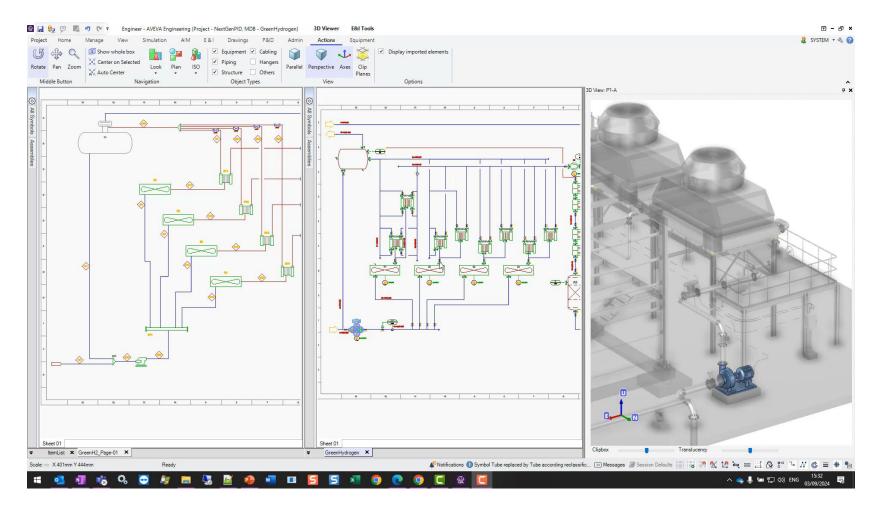


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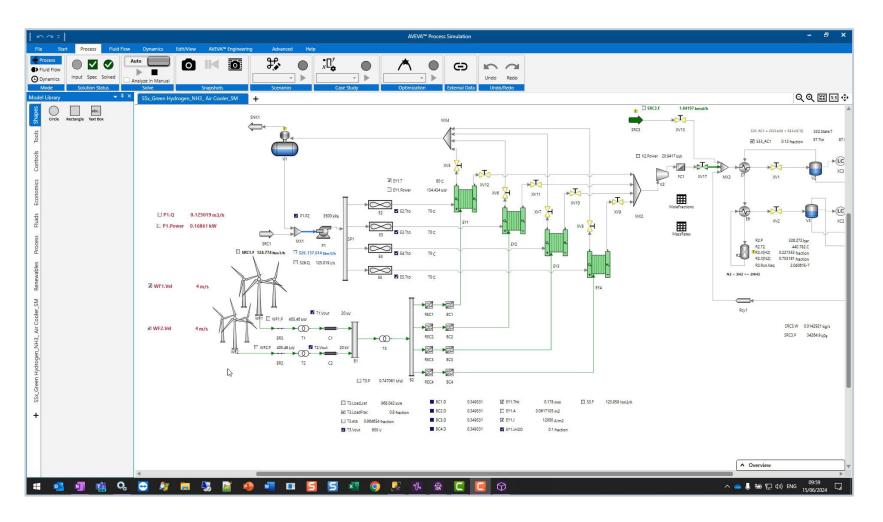
Existing plant in operation



AVEVA

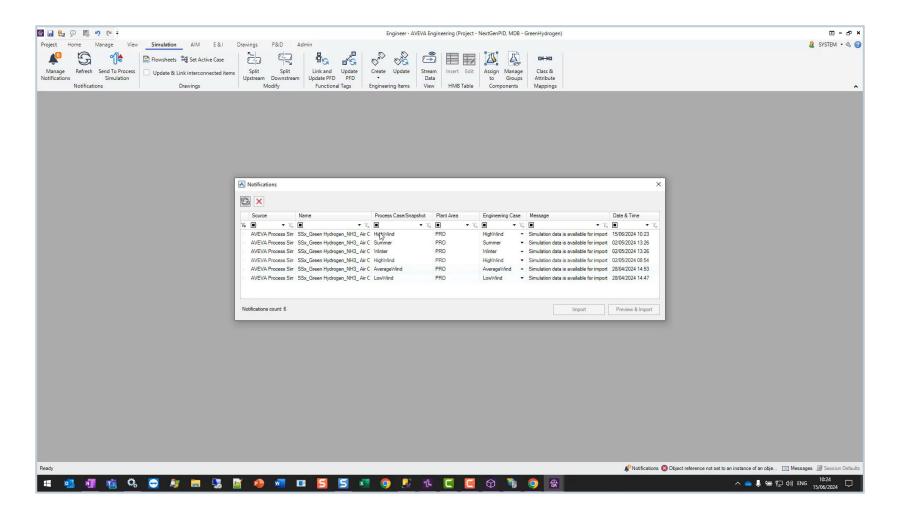
AVEVA[™] Process Simulation

Simulate high wind case and publish to engineering



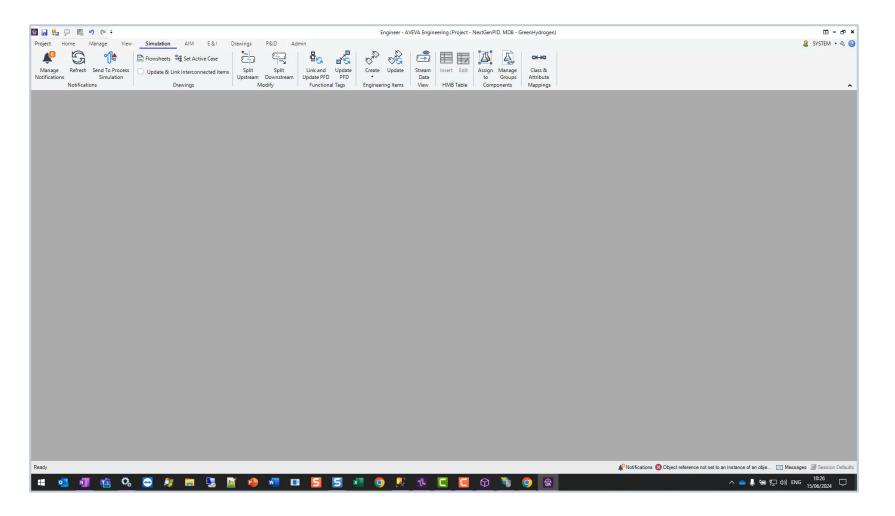
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Import simulation case and update functional item on PFD

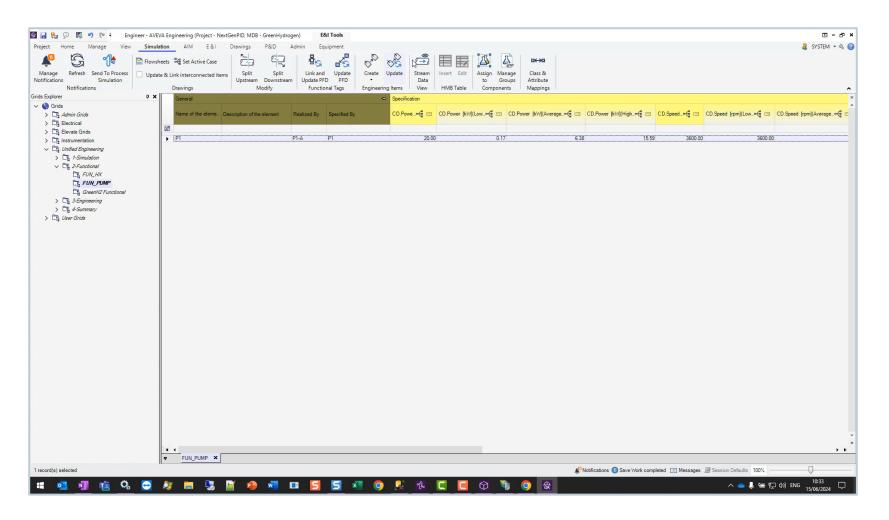




Define governing case

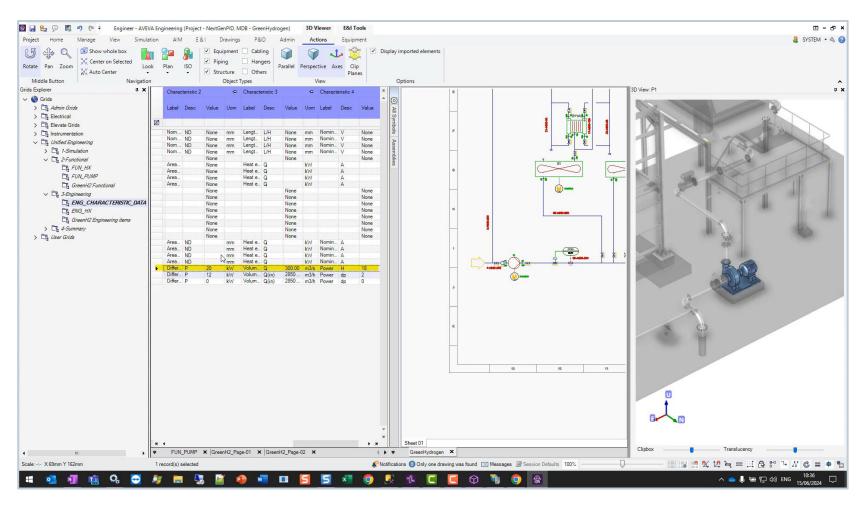


Update engineering items visible on P&ID

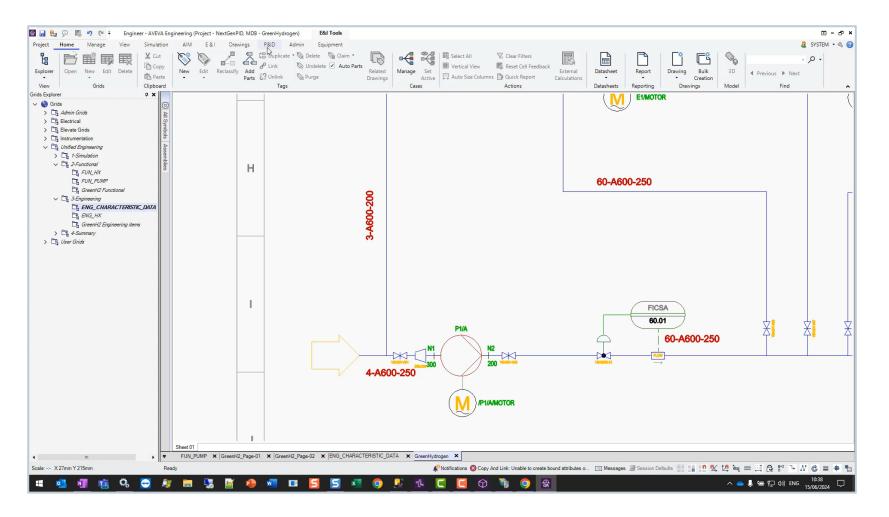




Duplicate feedwater pump

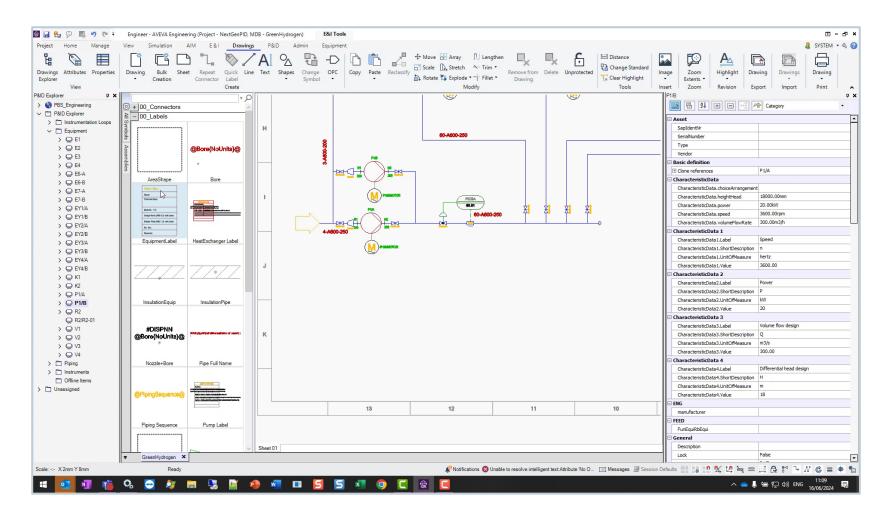


Update P&ID



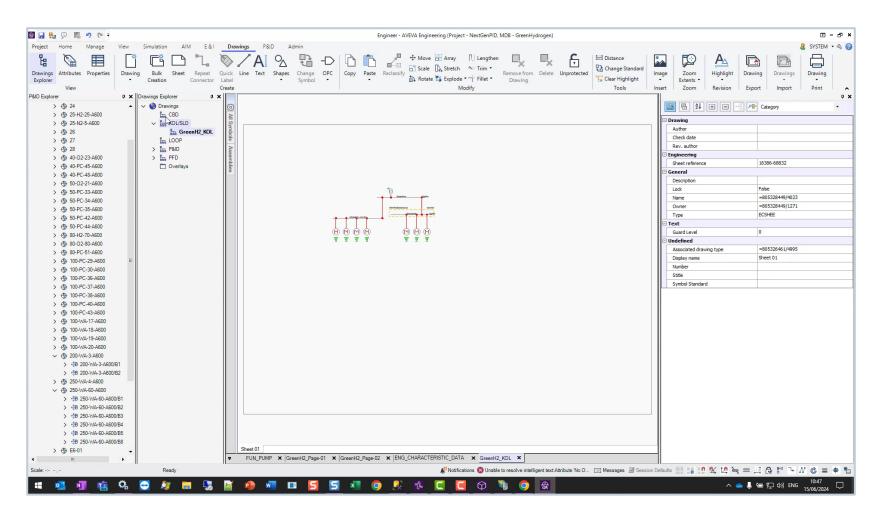


Add labels to the equipment bar on P&ID



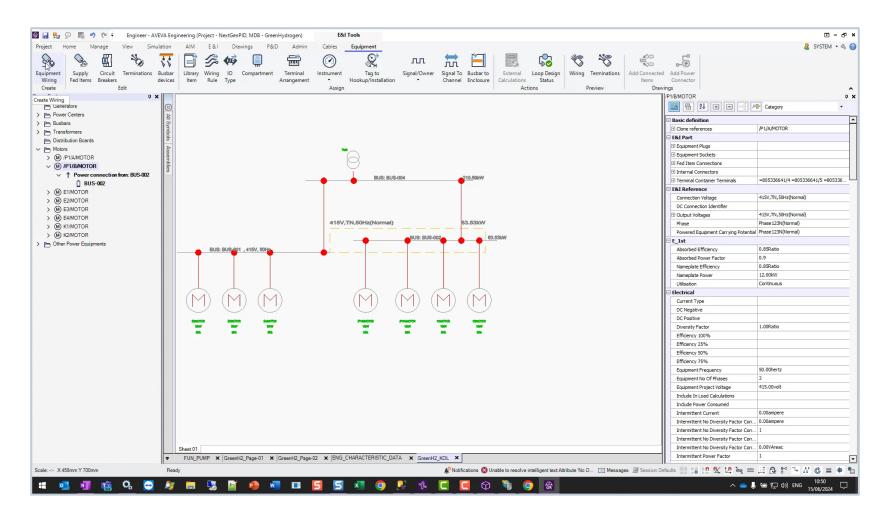


Update KOL drawing





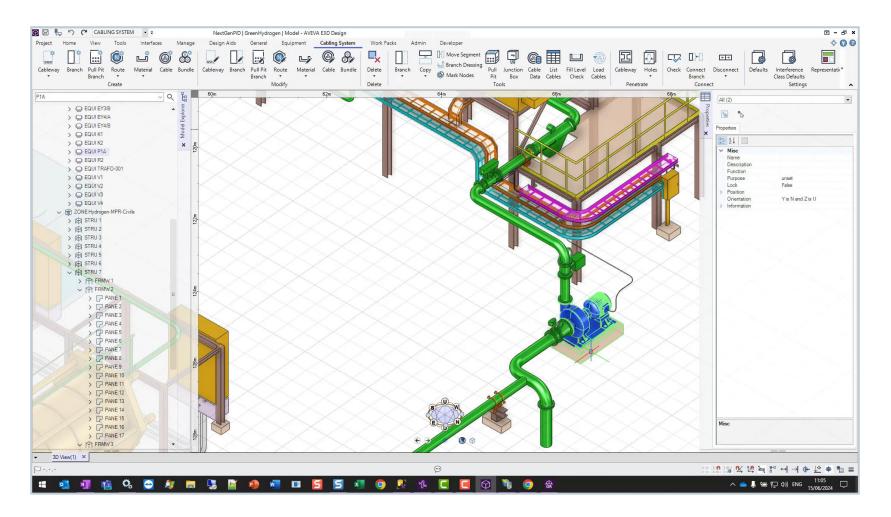
Create cable sizing and power cable





AVEVA[™] E3D Design

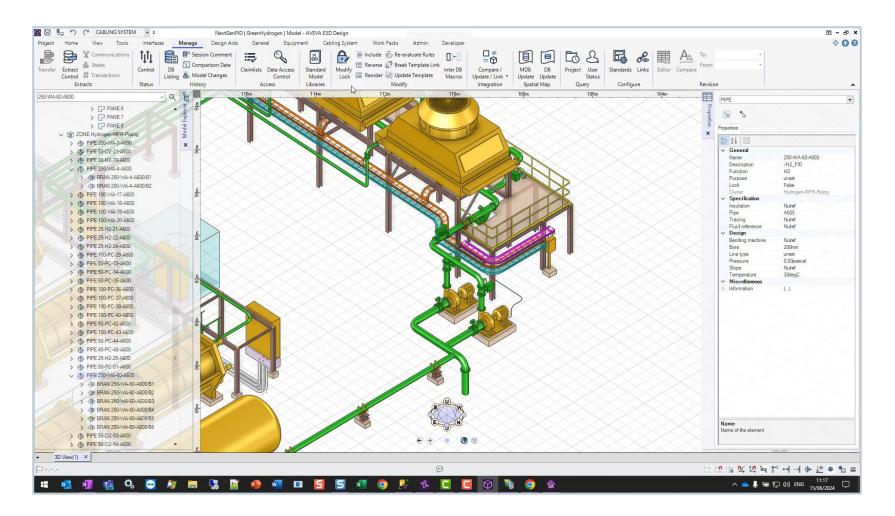
Copy existing feedwater pump and modify connected piping





AVEVA[™] E3D Design

Import cable by compare and update and route cable



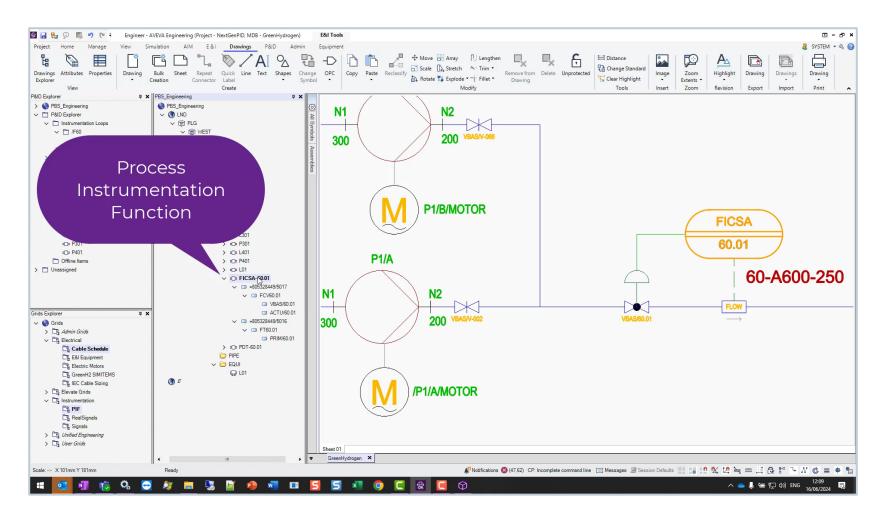


Import length by compare and update from AVEVA E3D Design

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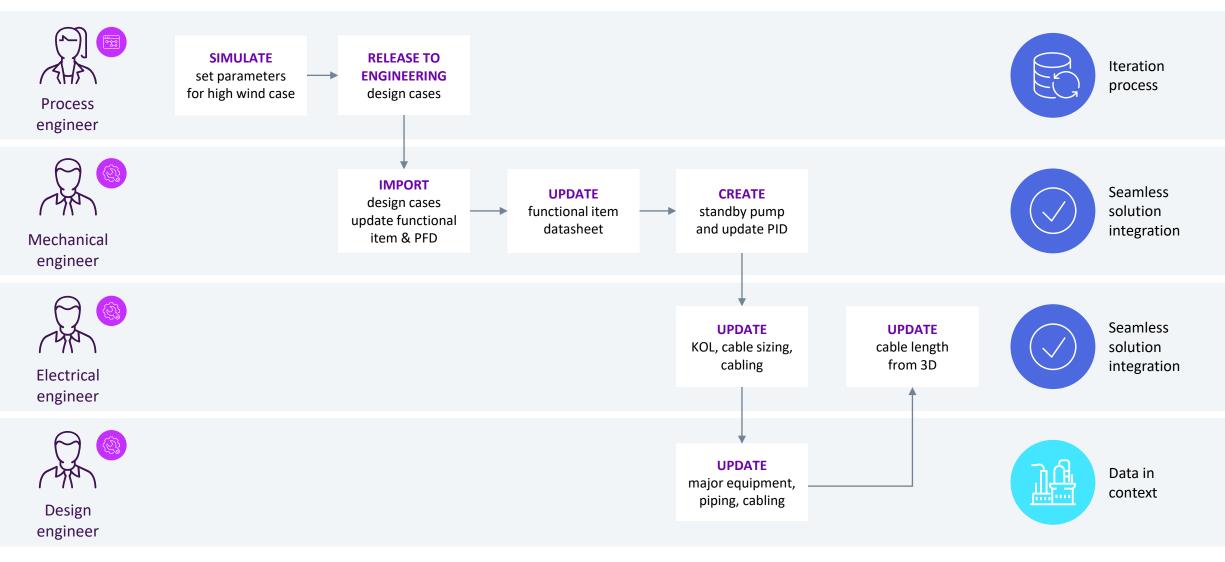


Review the flow control loop





AVEVA[™] Unified Engineering 3.0



The opportunity



Reduce time to value

Out-of-the box content and reference projects to simplify the initial project configuration, make teams immediately effective and reduce the time to value



Streamline collaboration

Enable better collaboration between the project stakeholders minimizing errors and accelerating project execution to deliver projects on time and on budget



Workforce optimization

Integrated environment reduce the need for manual and low value activities freeing up resources for more valuable tasks and optimize the need for project resources



Maximize margins

Reduce cost throughout capital projects leafing to: **50% faster** FEED stage

40% increase in engineering efficiency 15% reduction in TIC

Recommended sessions

Babcock and Wilcox : Unlocking ROI: How B&W Achieved Efficiency with AVEVA Unified Engineering

Tuesday, 8th April 25 @ 1:45 pm Room 2000

AP Consultoria : Digital Transformation in Engineering - AVEVA UE and AI for Multidisciplinary Projects Tuesday, 8th April 25 @ 2:30 pm Room 2009/2011

MAIRE Group : Supporting Advanced IE&C and Sustainability Projects execution Tuesday, 8th April 25 @ 3.15 pm Room 2001/03

Seamlessly migrating your legacy E&I and P&ID data to AVEVA Unified

Engineering

Wednesday, 9th April 25 @ 11:15 am Room 2005/2007

Saipem : From EPC DIGITAL PLATFORM to Al for Engineering Wednesday, 9th April 25 @ 2:15 pm Room 2005/2007

Engineering and Capital Projects Improvements – Community session Thursday, 10th April 25 @ 10:00 am Room 2009/2011



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.

Visit us in the:

- AVEVA Unified Engineering 3.0 Demo, after the lunch
- Design & Build booths at Innovation Zone
- Day 3 Engineering & Capital Projects Community Group

Thank you!



Visit us!

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

Extend value through AVEVA Unified Engineering - Booth 56

Get a deep dive on AVEVA Unified Engineering and AVEVA Deliverables Management

Engineer the plant of the future – Booth 47





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 <u>www.aveva.com</u>

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