

NOVEMBER 16, 2022

Perspectives & Positioning

Putting Aveva World and the O&G Day 2 into Context

Presented by: Craig Harclerode & Stan Devries, O&G Industry Principals

AVEVA

Agenda

Challenges & Opportunities in O&G and the Role of “Digital”

Top 3 Recommended Practices and Considerations – Stan

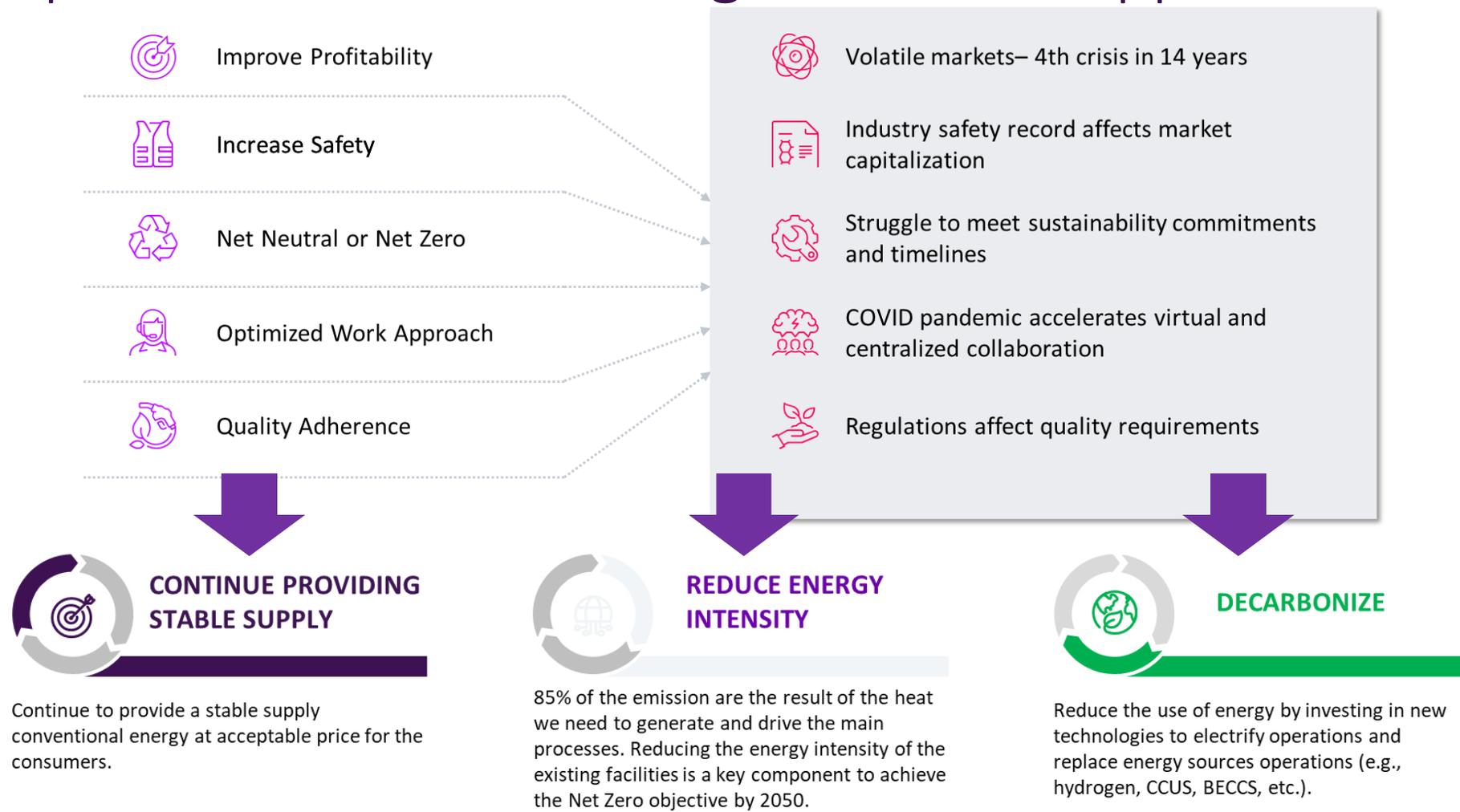
Top 3 Recommended Practices and Considerations – Craig

Key Takeaways & Positioning of the O&G Presentations

- O&G Track**
- AVEVA PI System Users Group (APUG)**

Closing Comments & Call to Action

Requirements and Challenges are also Opportunities



“lights out” refining?

Perspectives on Recommended Practices

Gleaned from my 45+ years of Experience & Interaction with Leading Customer Executives



Start with the business strategy, support with Digital Strategy



Design for “digital maturity”

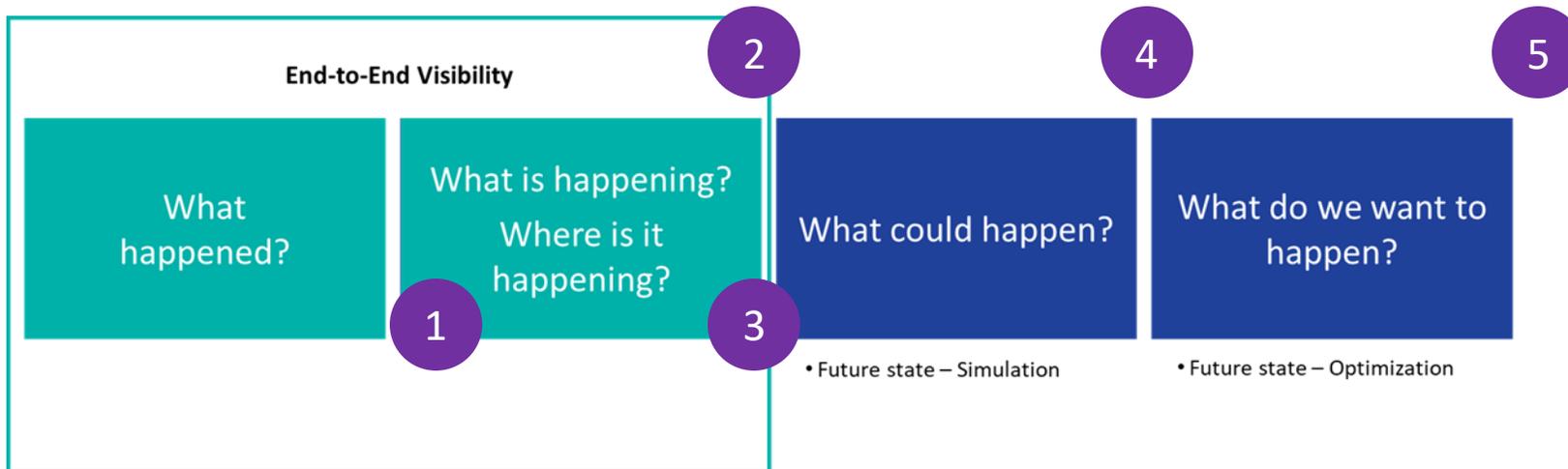


Design for “remote first” and “mobile first”

Start with the business strategy, support with Digital Strategy

Start with the business strategy - design the work improvement before “digitalization”

- Continuously answering 5 basic questions
- Cross-team discovery of situations
- Cross-team development of recommendations
- Business stakeholder deliberations of the recommendations

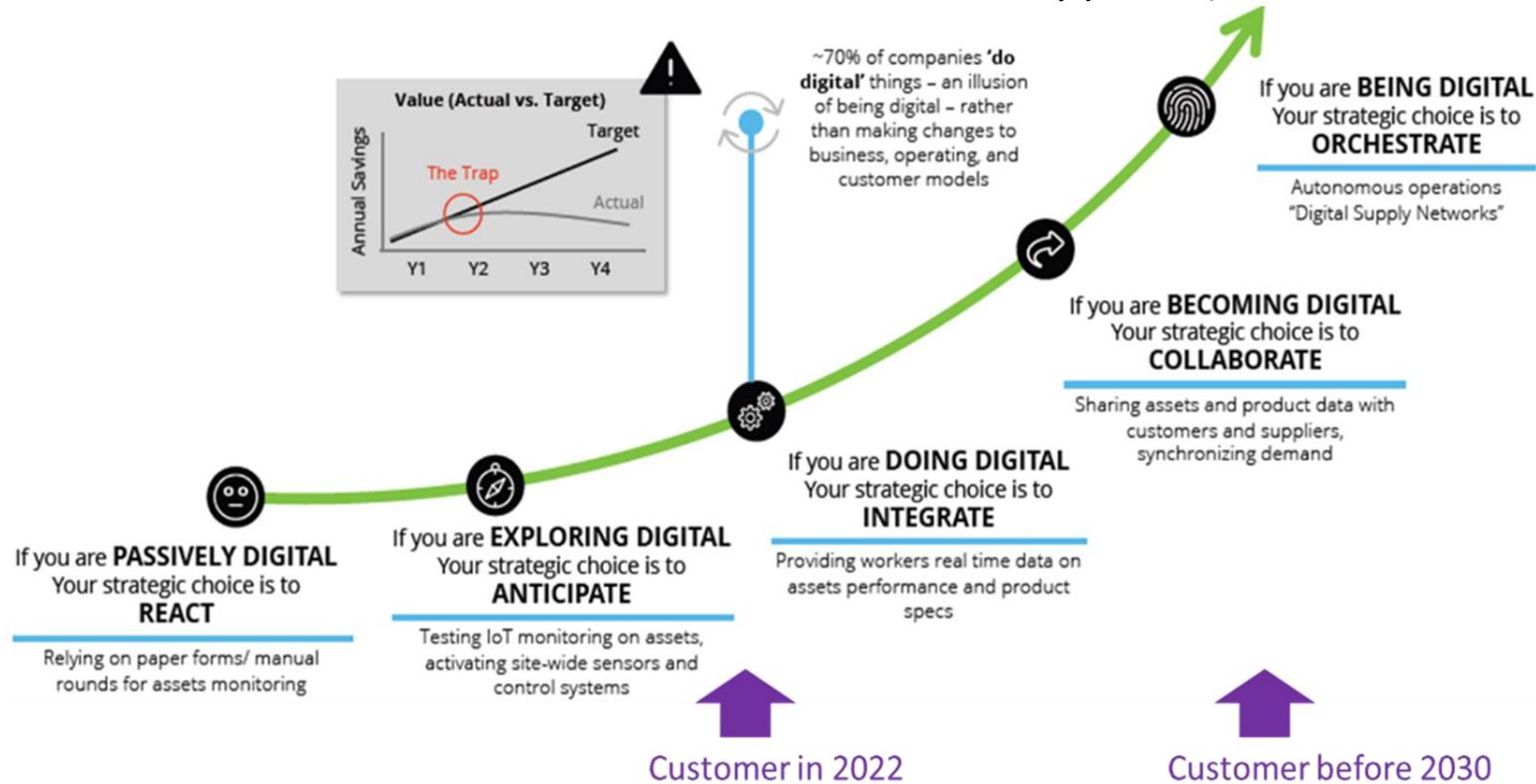


- Eliminate “waste”
- Improve “when”
- Improve “where”
- Minimize expert “burnout”
- Track and measure collaboration

Design for “digital maturity”

Design for “digital maturity”, beyond “doing digital things”, “get in done in 8 years”

- The curve below addresses the difference between many pilots (middle of the curve) and at speed, at scale



Courtesy Deloitte

Design for “remote first” and “mobile first”

Design for “remote first” and “mobile first”



Create Context Driven Actionable Information

Intelligently detect inefficiencies and potential problems, automatically triggering remedial action to constantly optimize operations performance.



Automate Process Workflows

Feel confident every day that risks are minimized, costs (including energy efficiency) are mitigated, and workforce efficiency is at its optimum.



Increase Visibility to KPI Performance

Remove complexity by controlling all operations with a single-pane-of-glass, a system of systems, with connectors integrating all IT and OT systems.



Collaboration



Line-of-Sight Visibility



Remote Work



Standardization

Perspectives on Recommended Practices

Gleaned from my 43+ years of Experience & Interaction with Leading Customer Executives



Think in Layers

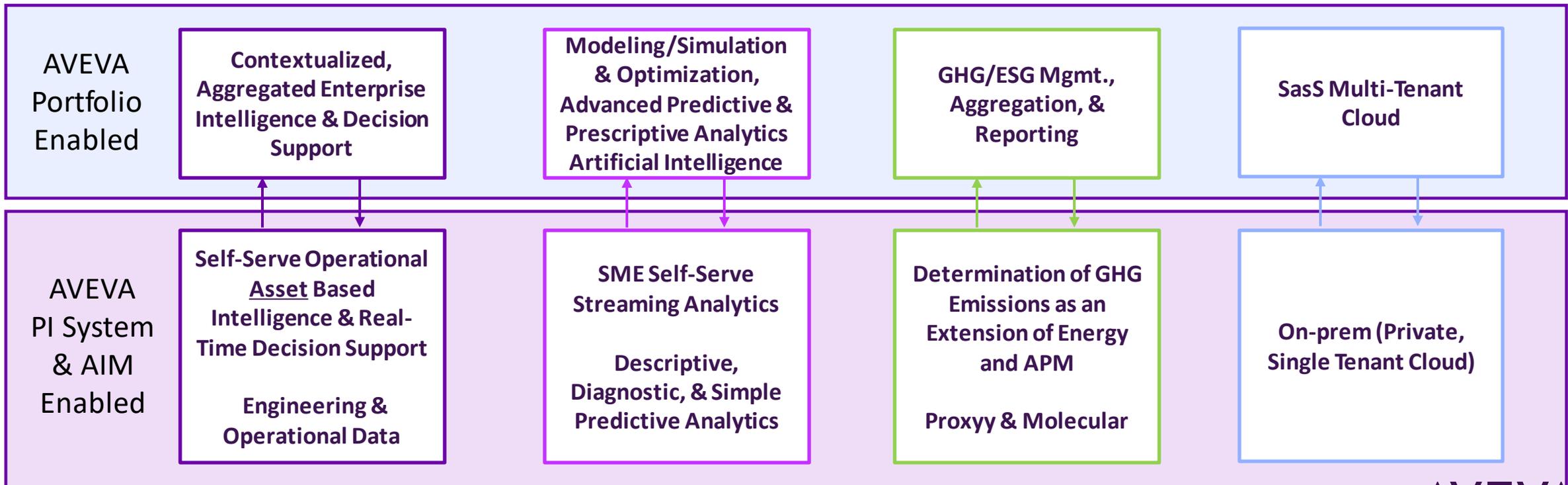
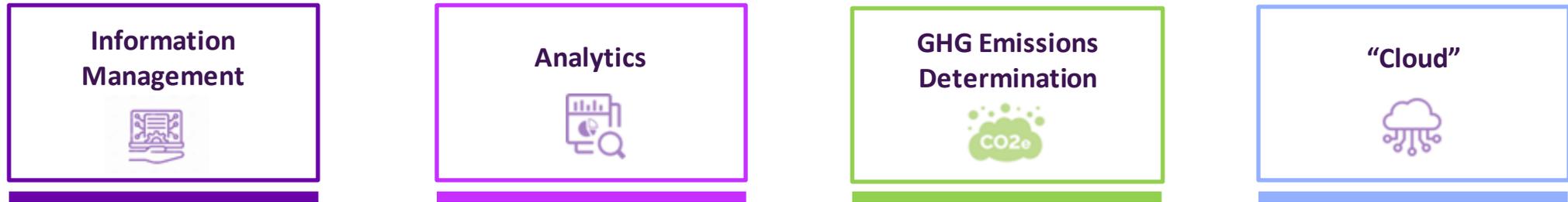


Evolved their Definition of the “Digital Twin”



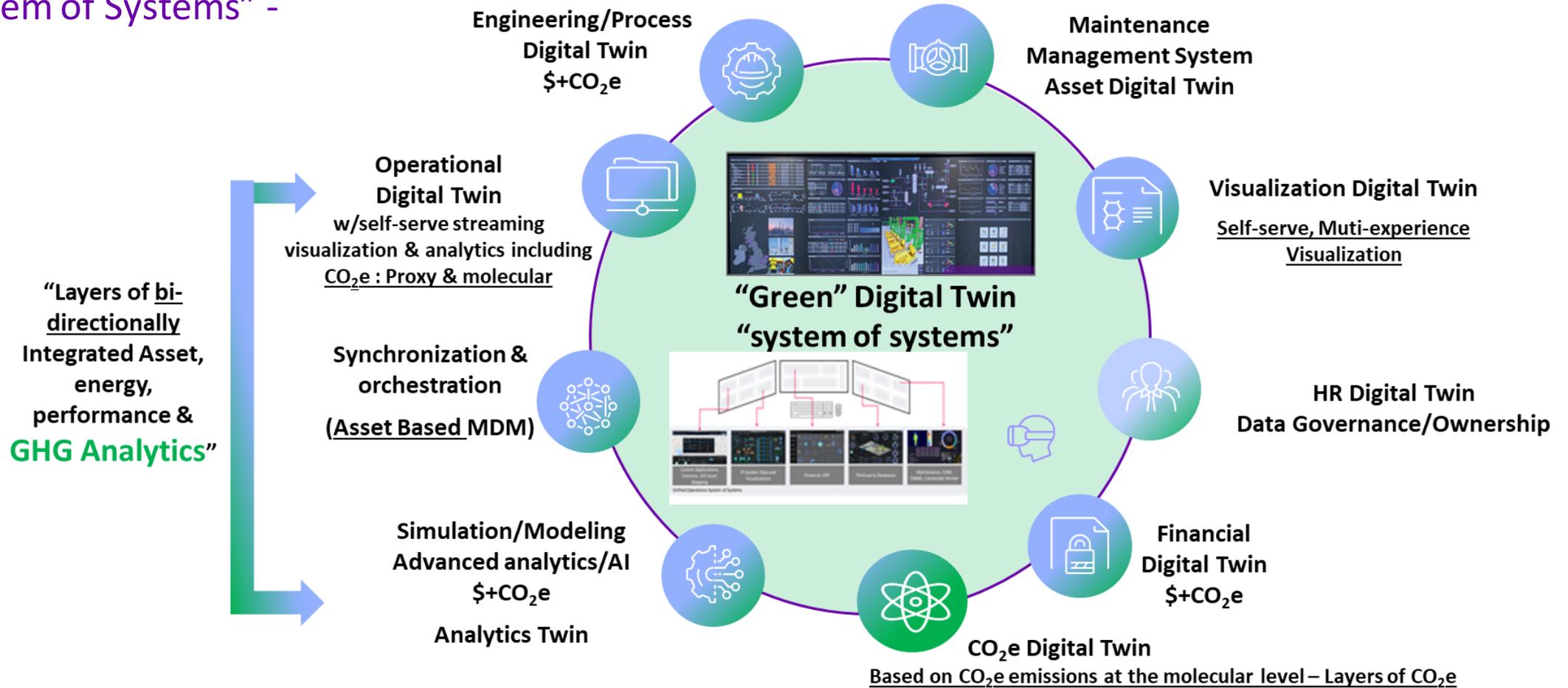
Treat Information as a Strategic Asset - Assets “not tags”

Think, Design, and Implement in Bi-directionally Integrated “Layers”



Evolved Their Definition of the “Digital Twin”

“System of Systems” -

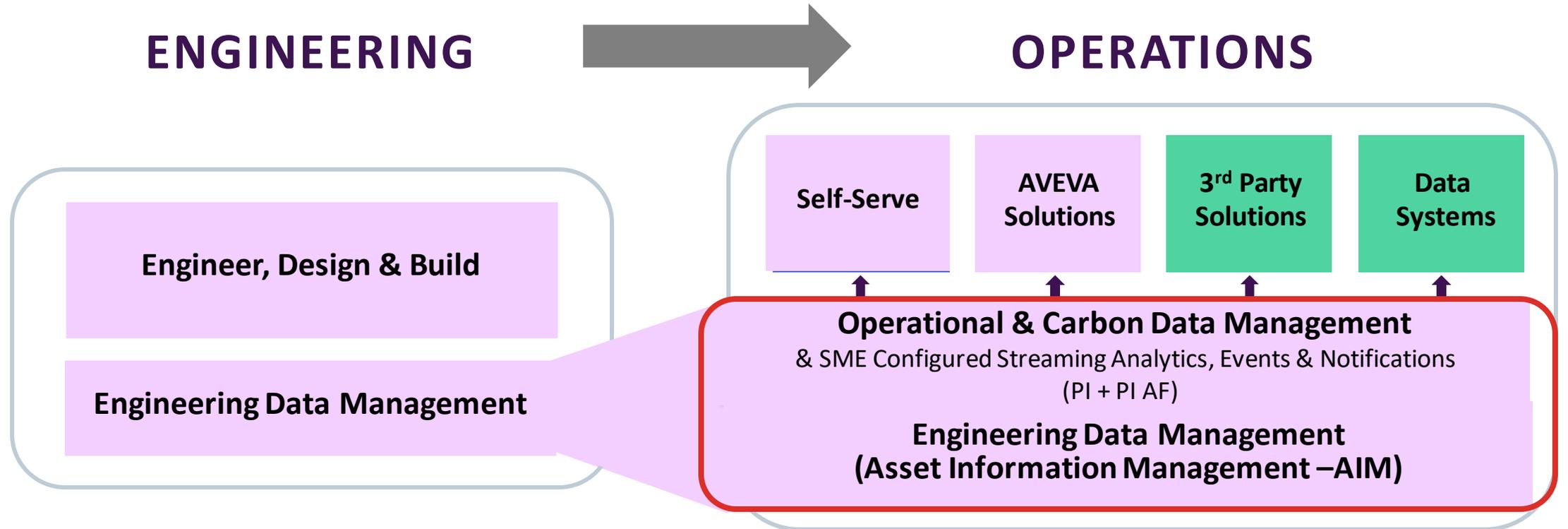


© 2021 AVEVA Group plc and its subsidiaries. All rights reserved.

© 2022 AVEVA Group plc and its subsidiaries. All rights reserved.

Treat Information as a Strategic Asset

A Digital Thread across the engineer – operate- optimize life cycle



AVEVA O&G Reference Architecture

The PI System and PI AF is Foundational to the AVEVA Portfolio

Convergence
IT/OT/ET

Applications
&
Advanced
Analytics

Information
Management
& Streaming
Analytics

Automation
Integration
& Control

Thanks to Our O&G Tract Speakers & their Companies

Leading, Sharing, and Giving back to the AVEVA Community- The Value of “art of the possible”



Thanks to Our APUG Speakers, Panelists & their Companies

Leading, Sharing, and Giving back to the AVEVA Community- The Value of “art of the possible”



Panel – Supporting CO2e Determination & Sustainability with the AVEVA PI System



Key Takeaways

- Leveraging the PI System/PI AF improves GHG emission accuracy
- Use of both proxy/formulaic and molecular level determination in PI AF
- Foundational layer of GHG Data and Information management
- Enables opalization of GHG emissions leading to a reduction
- Best integrated with energy and asset performance management



In Closing

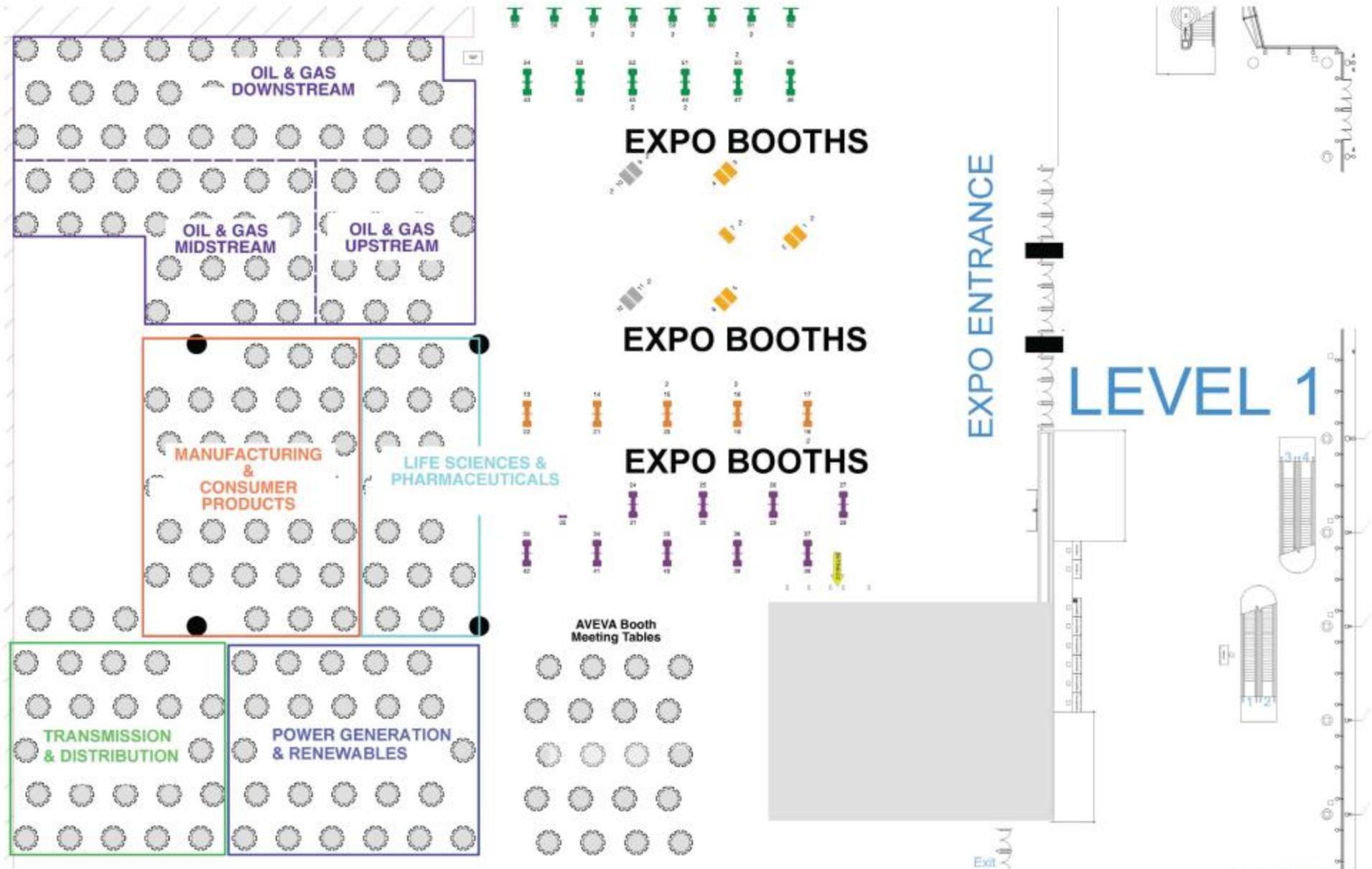


- For the Speakers and APUG Panel members
- For your attendance at the AVEVA World Conference (AWC) and APUG
- The AWC staff – an amazing amount of work goes into success



- Please fill out the survey for AWC and for the presentations -
- Share with your colleagues
- Deepen your peer relationships – expand the AVEVA Community
- Reach out to engage with the O&G Industry Principals – “Art of the Possible”, strategic topics
- Attend the Expo this evening - look for the O&G section (next slide)
- Attend the Day 3 Product Roadmap tracts – additional O&G customer stories
- Note the eSCADA/Pipeline Users Group meeting (Offsite tomorrow)

Level 1



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!