

NOVEMBER 16, 2022

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# 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**

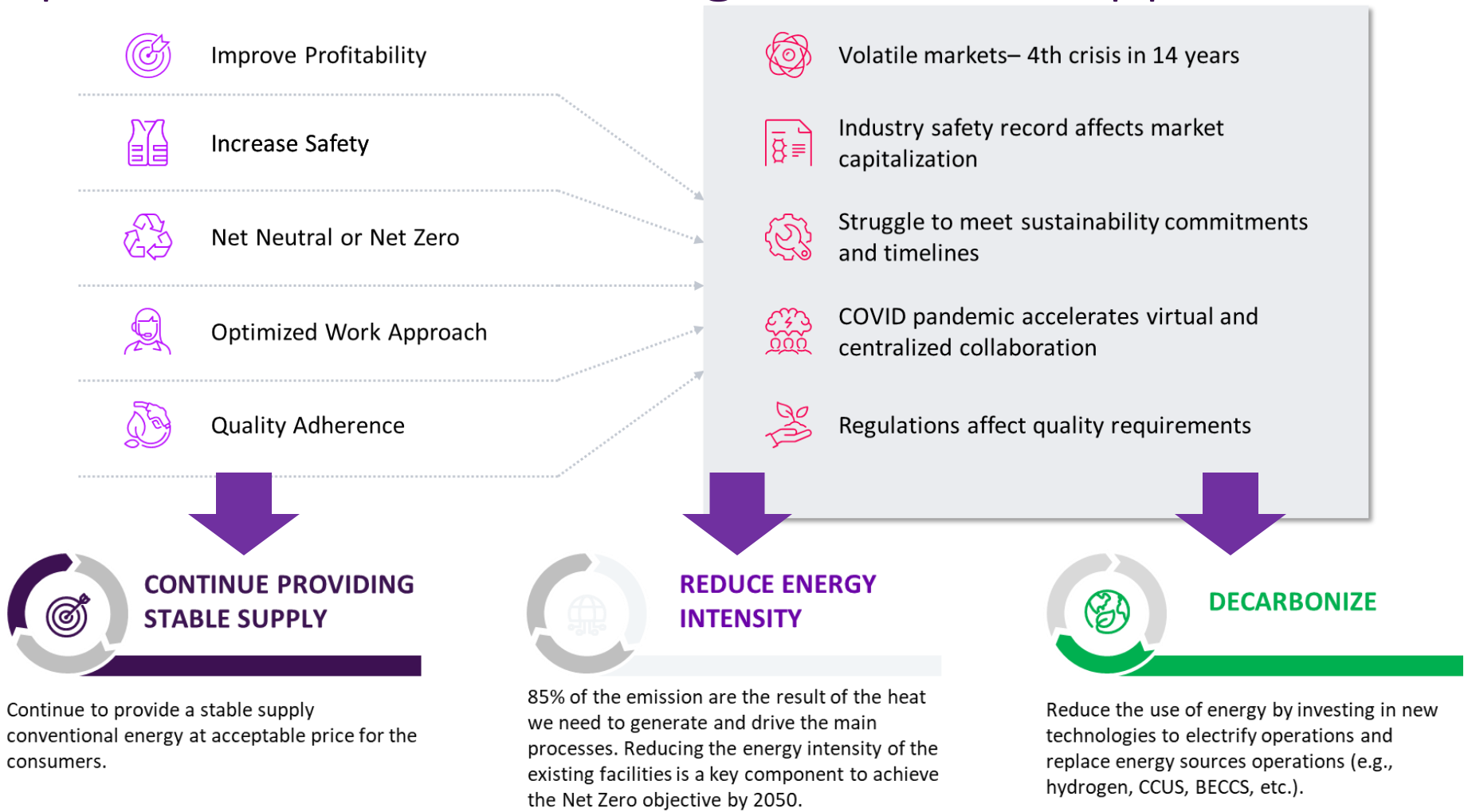
**Top 3 Recommended Practices and Considerations – Craig**

**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”

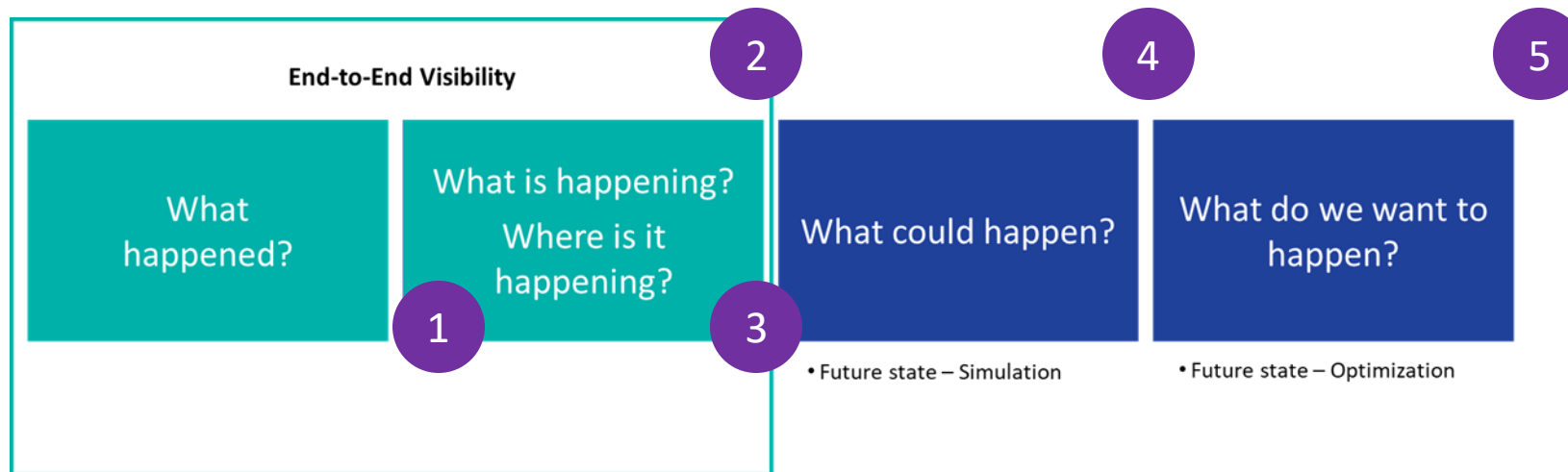


Design for “remote first” and “mobile first”

# 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

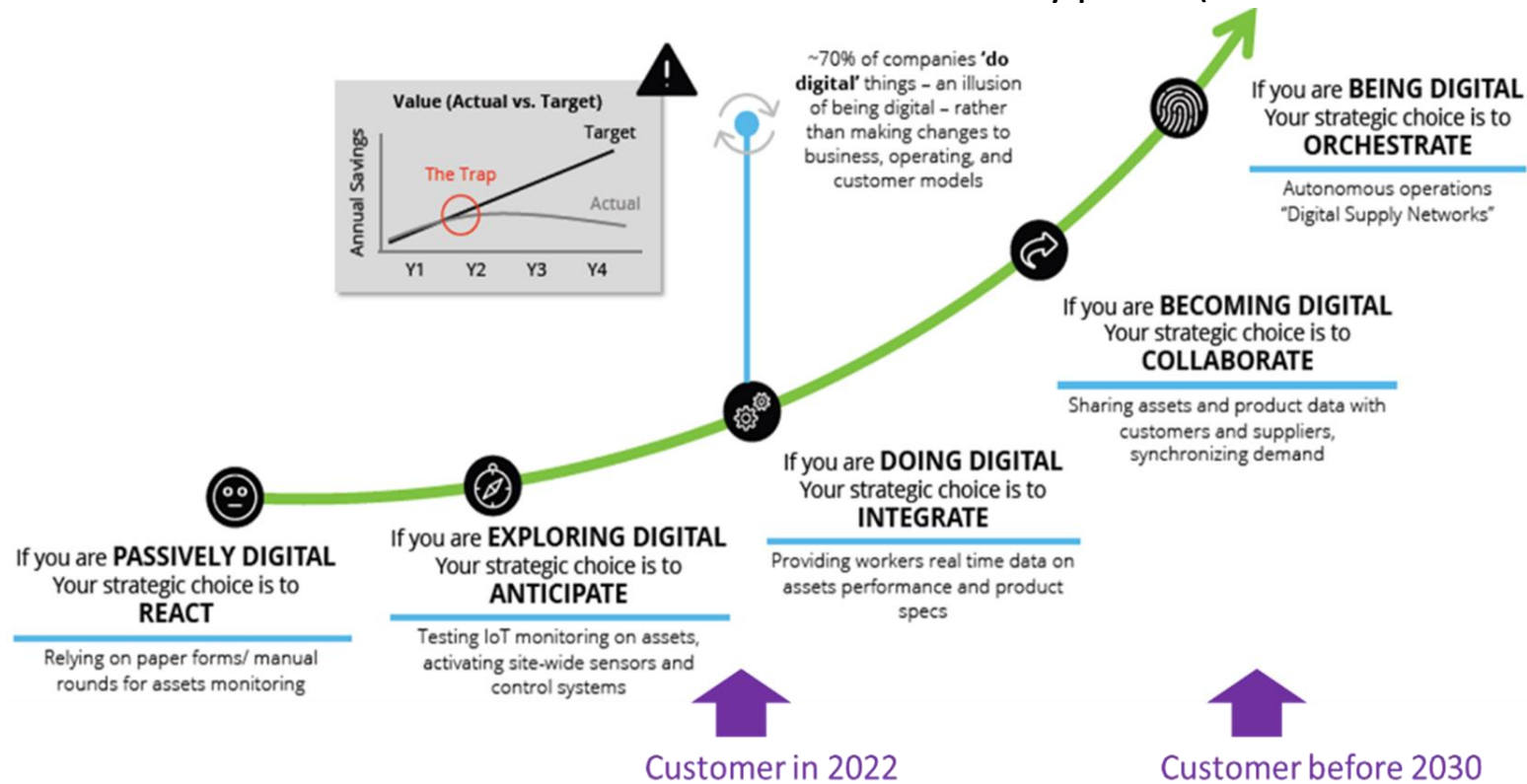


- Eliminate “waste”
- Improve “when”
- Improve “where”
- Minimize expert “burnout”
- Track and measure collaboration

# 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

AVEVA



# 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



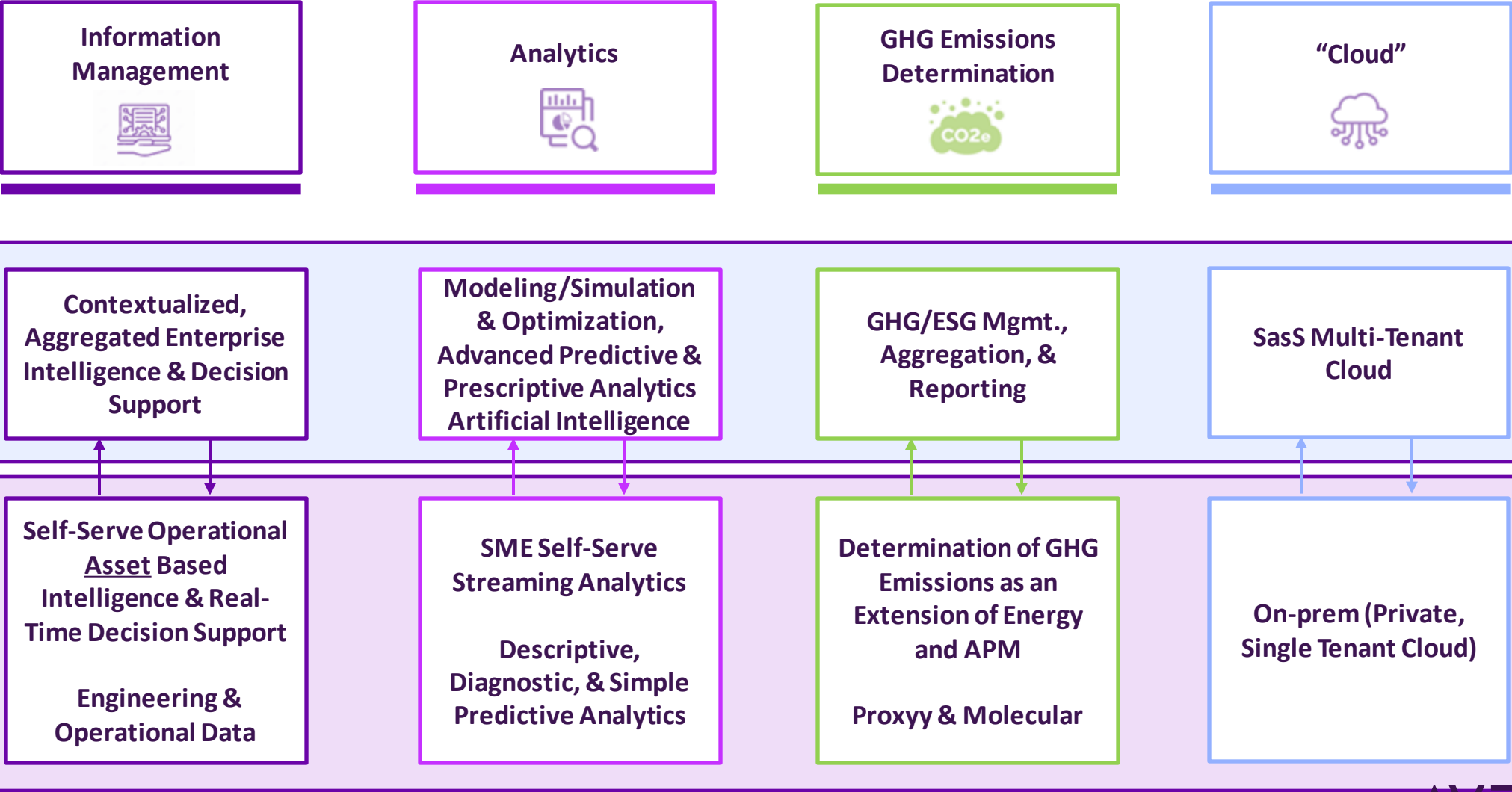
Evolved their Definition of the “Digital Twin”



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

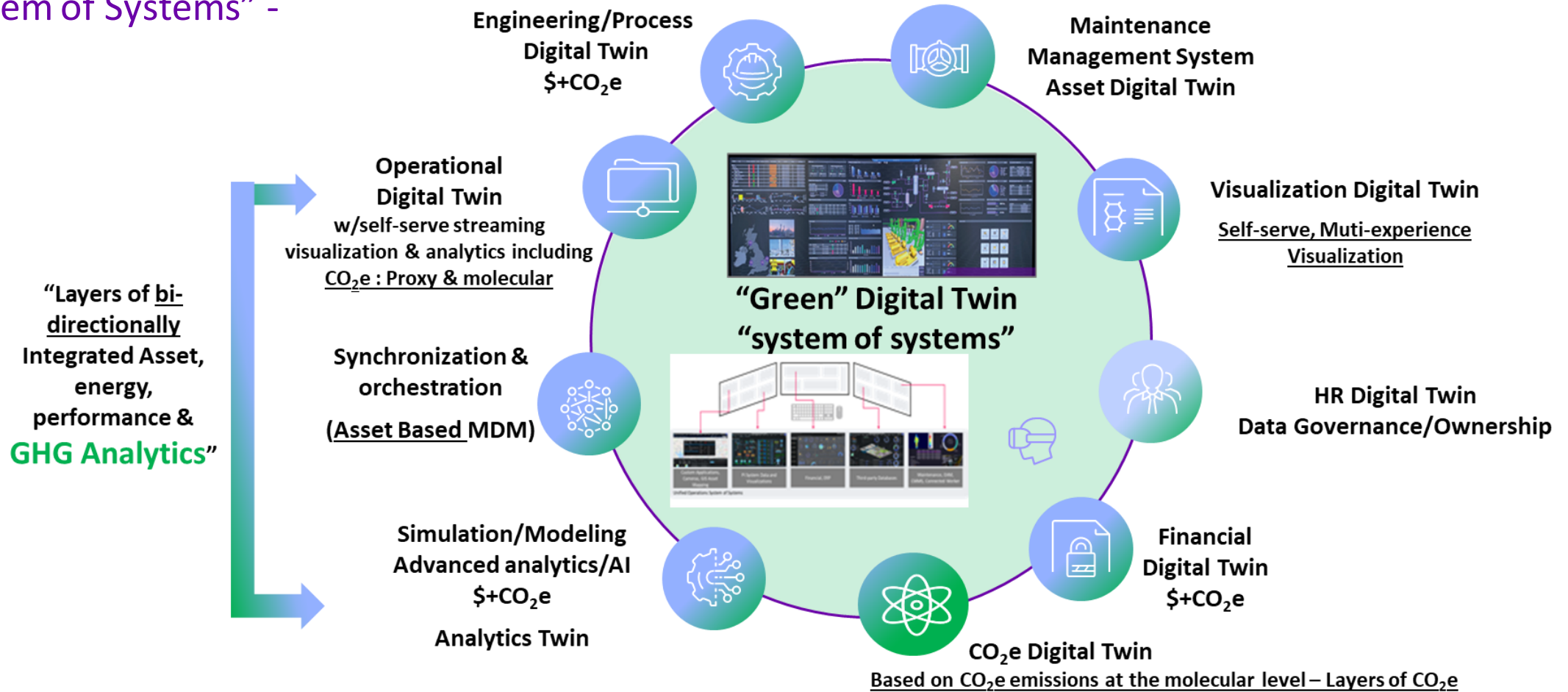


# Think, Design, and Implement in Bi-directionally Integrated “Layers”



# Evolved Their Definition of the “Digital Twin”

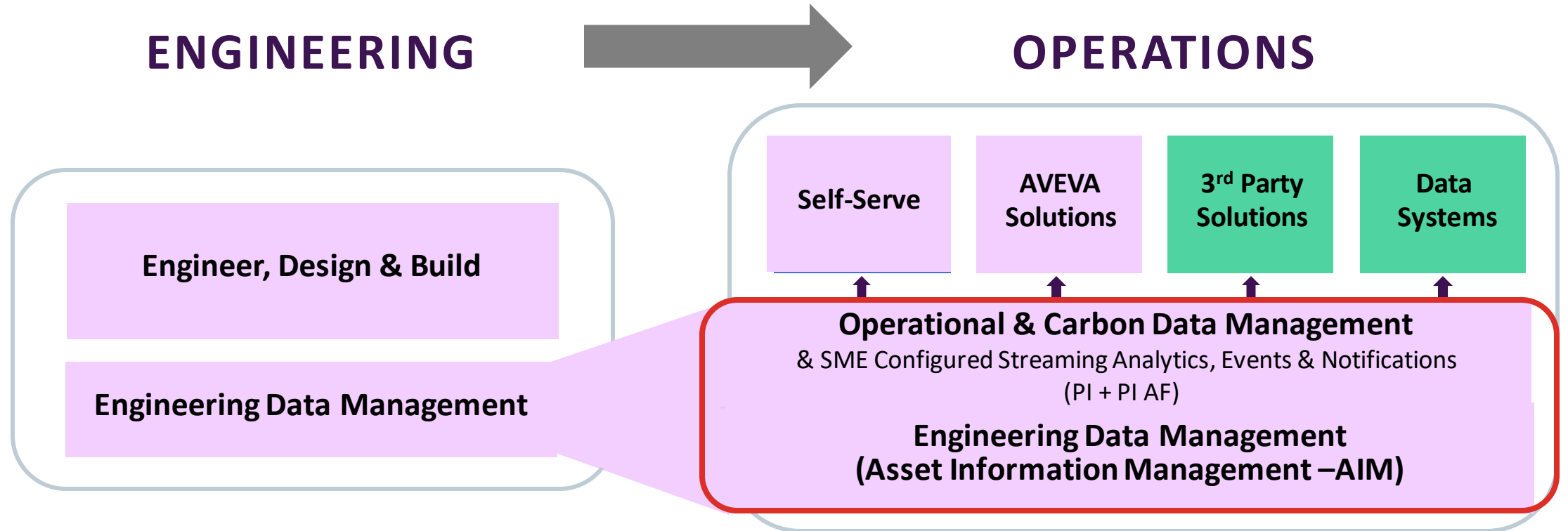
“System of Systems” -



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# 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 .....

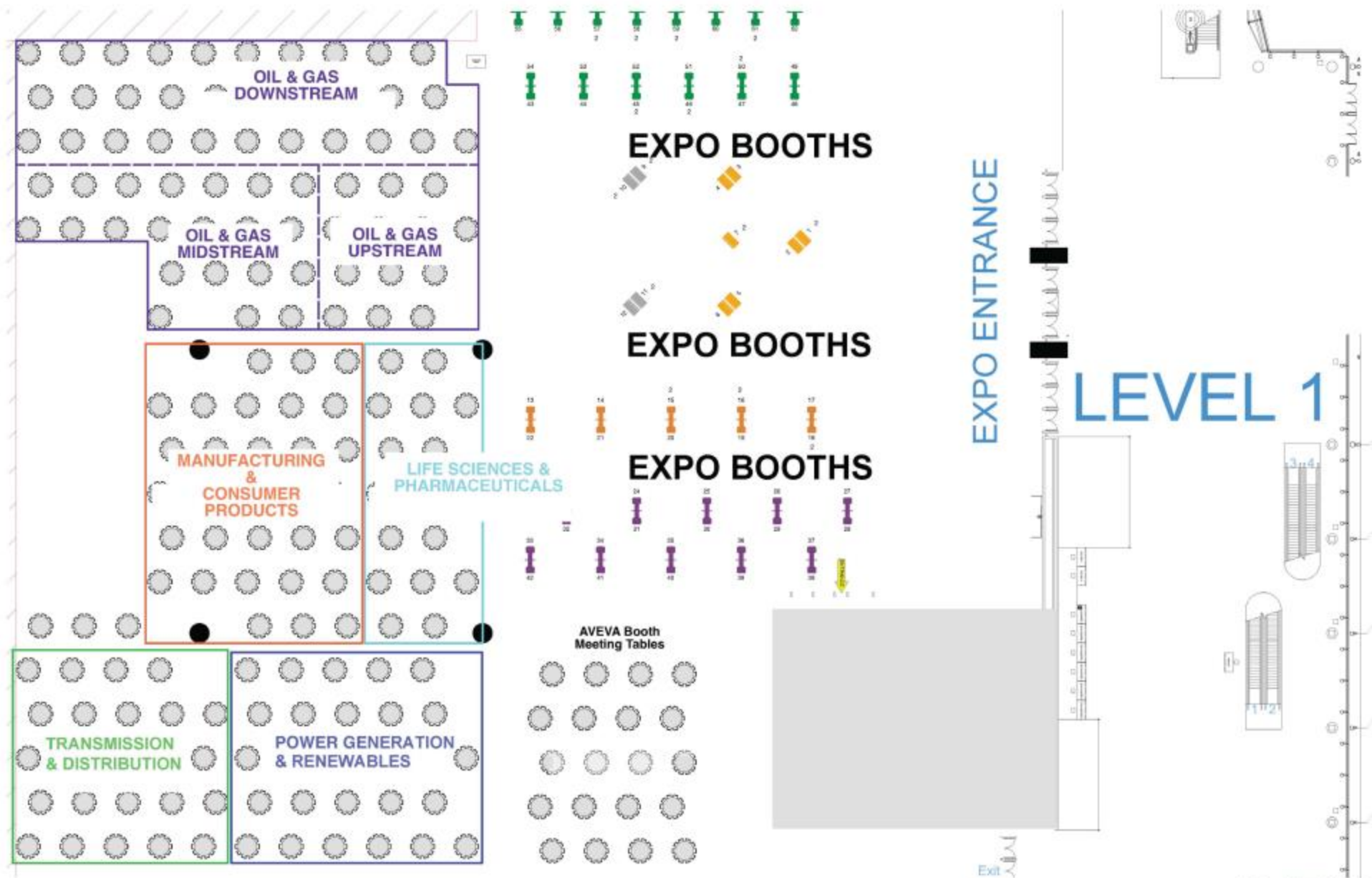


- For the Speakers and APUG Panel members
- For your attendance at the AVEVA World Conference (AWC) and APUG
- The AWC staff – an amazing amount of work goes into success



- 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!