Revolutionizing Asset and Engineering Information Management

AVEVA’s Path to Tomorrow

Sarah Altroff – Product Director Information Management
Why do we need a good information management strategy?
Why is it difficult?

Data Quantity
More than 150 zettabytes, as in 150 trillion gigabytes of data, will need analysis by 2025.¹

Unstructured Data
More than 95% of businesses need to manage unstructured data.²

Poor data quality
Poor data quality is responsible for an average of $15 million per year in losses.³

Lack of integration between system
10% to 30% reduction in engineering hours from developing a connected foundation.⁵

Lack of governance and standard
> 50% of organizations lacked a formal data governance framework and a dedicated budget to address the issue.⁴

What do we need?

From Document centric approach...

...harmonize data from many sources
- Ensure interoperability, and accuracy of data across different systems and organizations
- Map data to a common semantic understanding

...be able trust the data
- Create a baseline for validation of data to measure:
  - Data completeness
  - Data compliance
  - Data consistency

...enable consumption of data
- Shape data for downstream consumers
- Rapid and efficient data retrieval via queries
- Provide exactly the right data (not too much/little and correctly named)

Information Standard
A set of rules and specifications that define how data should be structured, formatted, and exchanged within a specific domain or industry
AVEVA™ Asset Information Management

Eliminate data silos
Improve safety and compliance with data access
Gain the insights necessary for informed, good decision making
Save time and effort on finding and validating information
Empower teams to collaborate with a 360° view of data
Reduce costs and time to value with a cloud solution
AVEVA™ Asset Information Management - Strategic Pillars

Moving to full SaaS
- Reducing the need for on-premise component
  - Document connector
  - Integration of additional gateways to data pipeline
- Tighter integration with AVEVA Products
  - ISM
  - Work Tasks
  - PCM

Drive time to Value
- Ease of Deployments
  - Rationalized default data center
- Ease of Maintenance
  - Load reporting
  - Pre-built content and ease of configuration
  - Data Pipeline Improvement
  - Documentation
  - Gateway rationalization (1D/2D/3D)

Addressing Business need
- User Access Control
  - Context Access Control
- System agnostic
  - Navisworks Gateway support
- 3D Visualization
  - New Cloud 3D service
  - On-premise version
  - More Capabilities
- Multi-portals
  - Management (TBC)

Leveraging latest technology
- Next Generation AIM UI
  - Based on cloud native component
  - Mobility Support
  - Self Dashboarding
- Moving to Multi-tenant
- Migration to Postgres (TBC)
What’s next?

STRATEGIC ROADMAP

Accelerate value creation from AVEVA and partner applications with an open and neutral industrial platform

Partner apps

AVEVA apps

In-house apps

Connect platform services

- Data ecosystem (AVEVA Data Hub)
- Visualization (Connect visualization services)
- Modeling & analytics
- Application enablement

& more to come

CONNECT Industrial intelligence-as-a-service
The power of AVEVA™ Connect, our industrial platform

Open and neutral platform providing rich data insights for your unified industrial ecosystem

Remote operations monitoring

Data science & advanced analysis

Applications

Data sharing with trusted ecosystem partners

Remote assets

AVEVA data sources

3rd party data sources

Service & usage management: monitor budget, consumption, and permissions

Data services: aggregation, sharing, and contextualization

Visualization services: rich persona-based experiences

Modeling & analytics: robust calculations using AI and ML

Application development services: solutions to enhance customer use cases
What about Visualization?

- Self-service dashboard creation
- Accessible from any device
- Customized UI by role and use case need
- Save, edit, and share displays
- Improved 3D visualization experience
- Create and arrange a variety of content, including:
  - Process analysis data streams
  - Production event and contextualized metadata
  - Engineering 1D, 2D, 3D materials
  - Graphical elements library
  - Operational Tower views
- Managed service provided by AVEVA in the Cloud
“Information is a source of learning. But unless it is organized, processed, and available to the right people in a format for decision making, it is a burden, not a benefit.”

William Pollard
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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