AVEVA PI WORLD

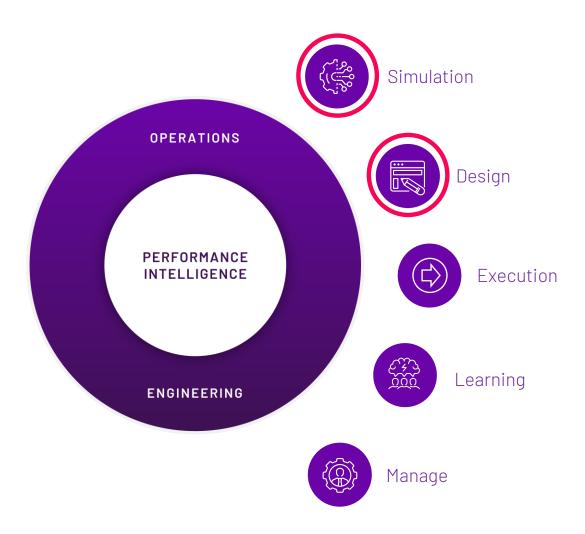
Engineering, design and laser dataset integration with AVEVA™ Engineering, & AVEVA™ E3D Design

Presented By:

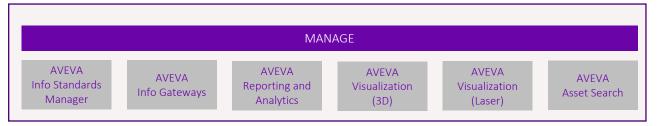


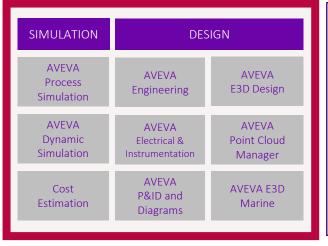
AVEVA's EPC 4.0 Suite

Unifying Data across Simulation, Engineering, Execution and Learning



Information Management









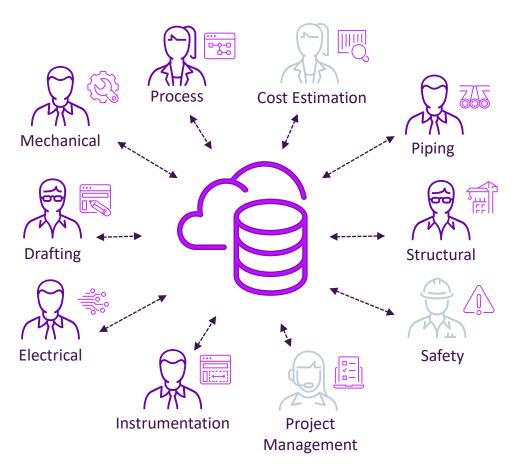
AVEVA™ Unified Engineering

Unified Project Execution



AVEVA™ Unified Engineering

The Unique Value

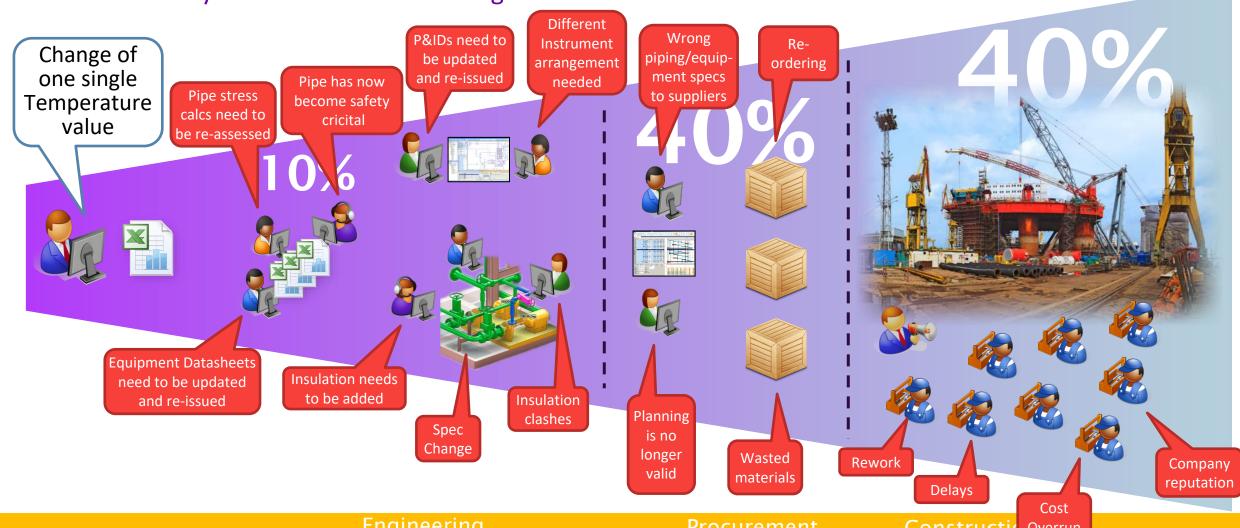


- DATA-CENTRIC multi-disciplinary environment where the simulation data is used as solid foundations during CONCEPTUAL and DETAIL phase of a project.
- ACCELERATE project deliverables production.
- Database-driven solution with PROVEN and SCALABLE multi-user technology.
- Unique Capability to VALIDATE Vendor Data and project changes at any time.
- Full INTEGRATION with the Unified Engineering Solution.



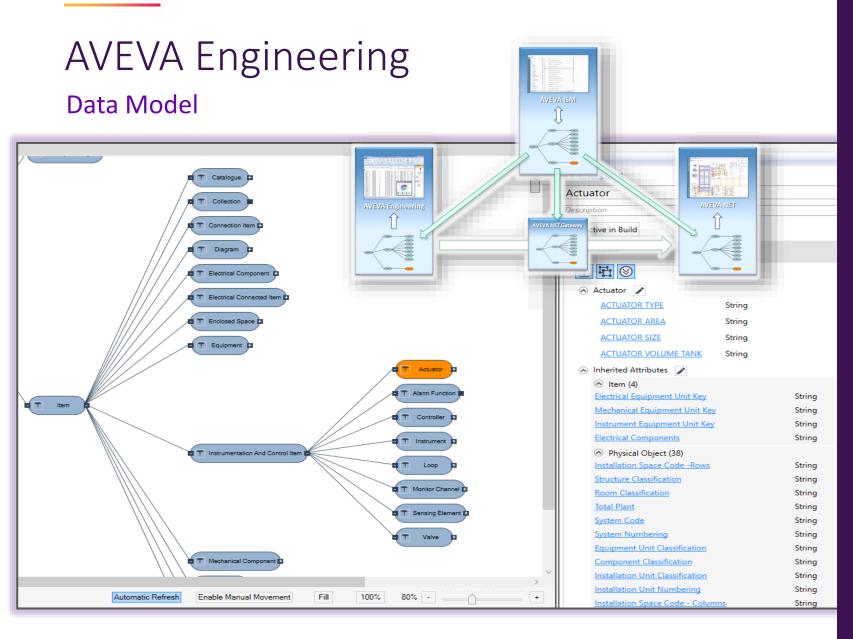
Challenge: Transparency & Controlled Change Management

Disconnected systems create value leakage



AVEVA Engineering

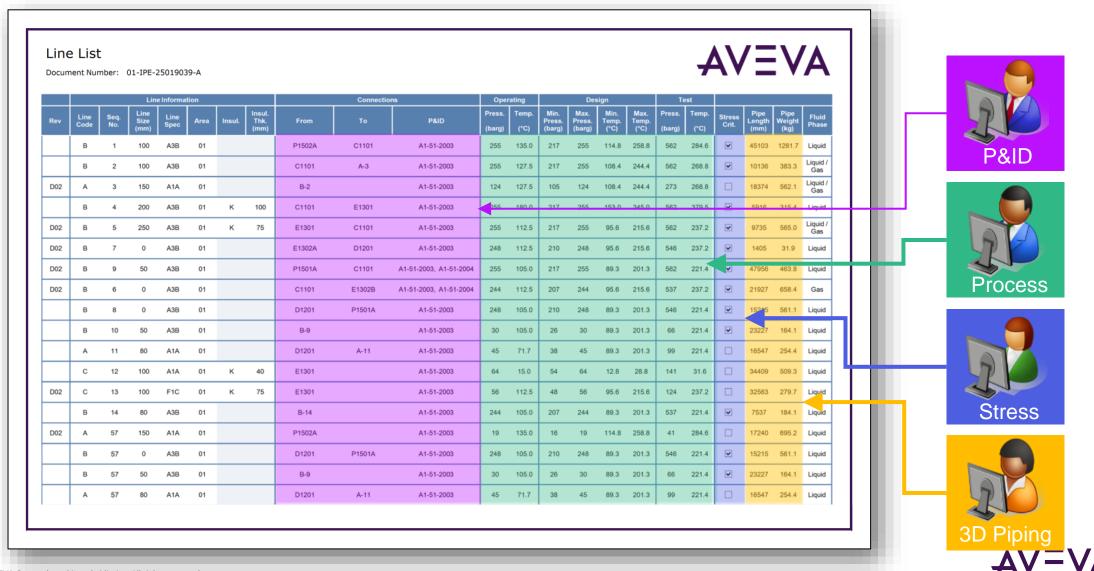




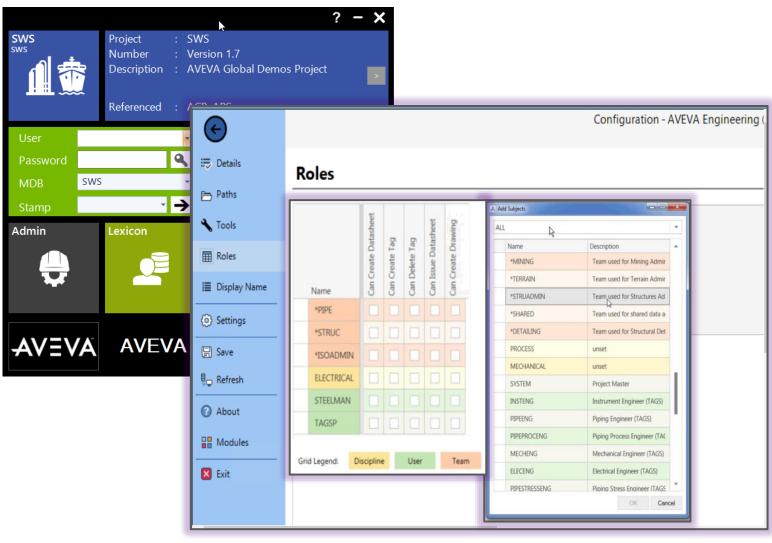
Conceptual data model

- Intuitive user interface allows the user to create classes, atributes, class associations...
- Integrated with AVEVA
 Information Standards
 Manager supporting several
 standars (ISO 15926, CFIHOS ...)
- Libraries and
 Vocabularies allow any
 required customization in the
 project

AVEVA Engineering



Access Control



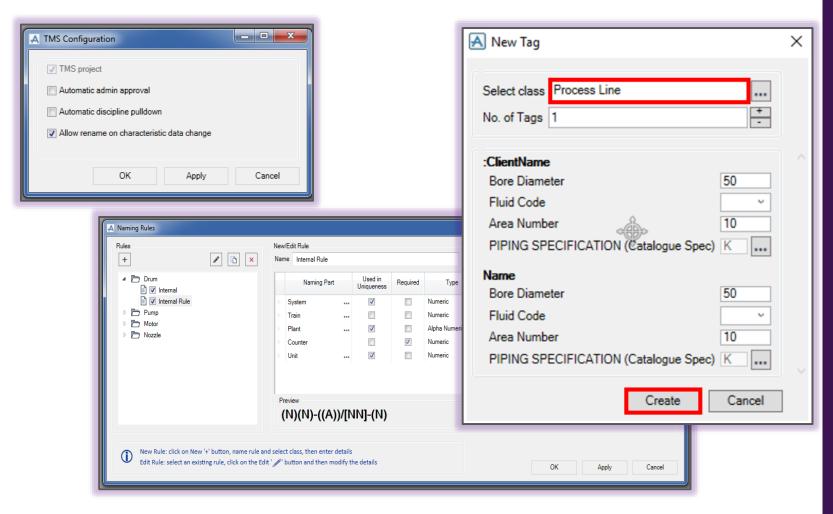
Disciplines and Functions

- AVEVA Administration
 - Teams
 - Users
 - Disciplines
 - ACR
 - Windows Authentication
- Access rights management through disciplines and functions
- Hierarchical structure

Discipline / Function / Team / User



Tag Management

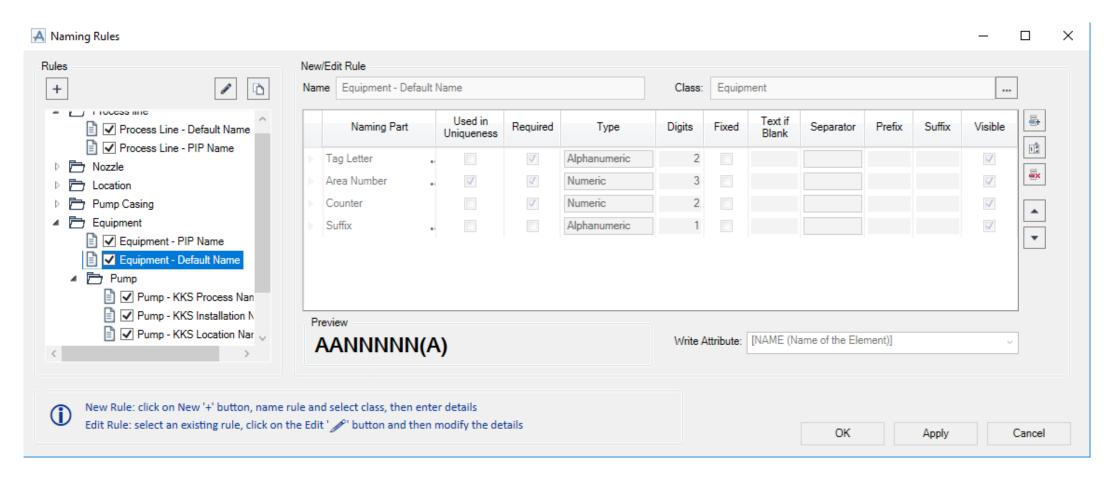


Tag Management System (TMS)

- Allows the configuration of any tagging rule for equipment / items / documents / any object in the project:
 - Roles (defines access to Disciplines / Teams / Users)
 - Auto-formatting rules
 - Uniqueness rules
 - Counter reservation
 - Logical delete



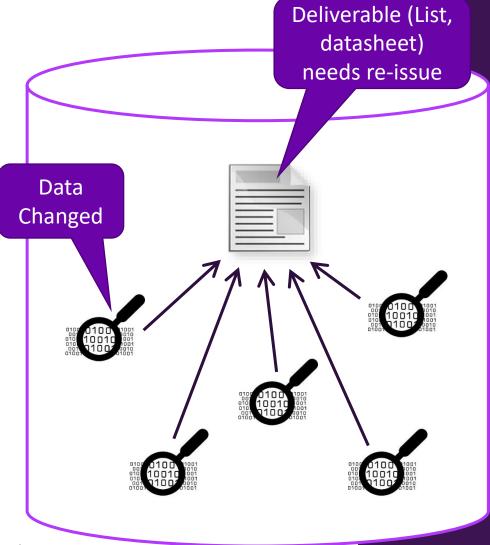
Tag Management System





Change Management

Documents



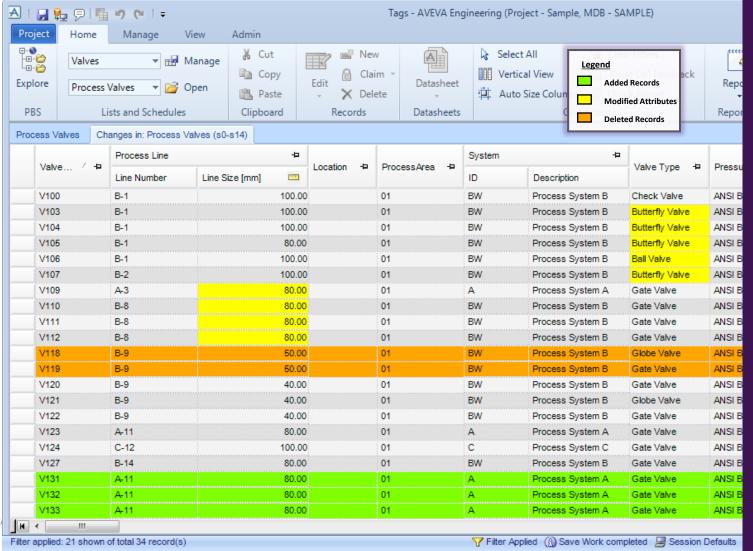
Document change management

 Document change management with datadocument relationship



Change Management

Data



Change management and mark-up

- Automatic highlight of all modifications
- Users can find and mark-up all changes made by other users and disciplines
- Available a complete change management history



Change Management

Data

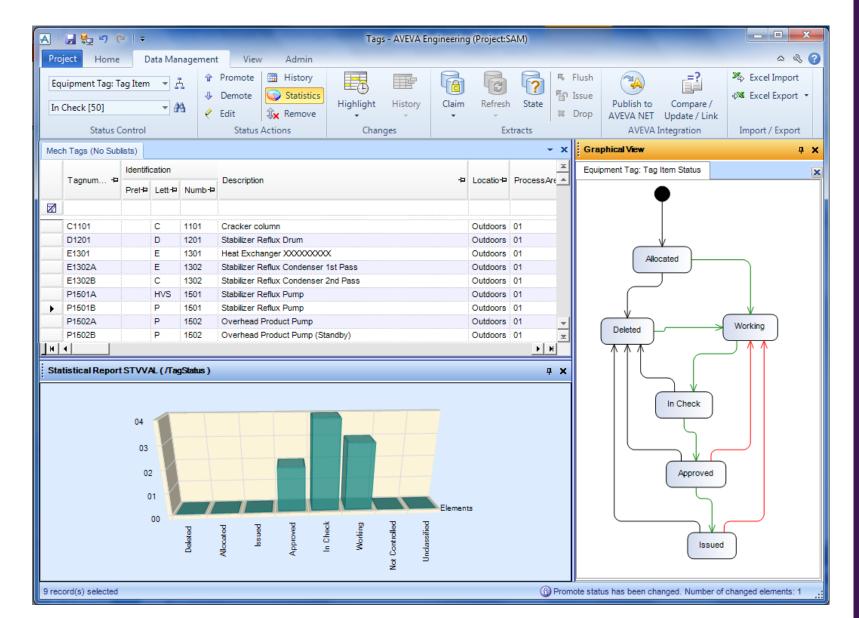


Controlled Object Revisioning

- Enables independent and concurrent work between disciplines with an information exchange control methodology between them
- Changes are tracked based on database revision of objects
- When a discipline publishes a modification, the other disciplines are notified by the notification system
- Changes can be accepted as soon as they are published or at the most appropriated time for the other disciplines



Status Control

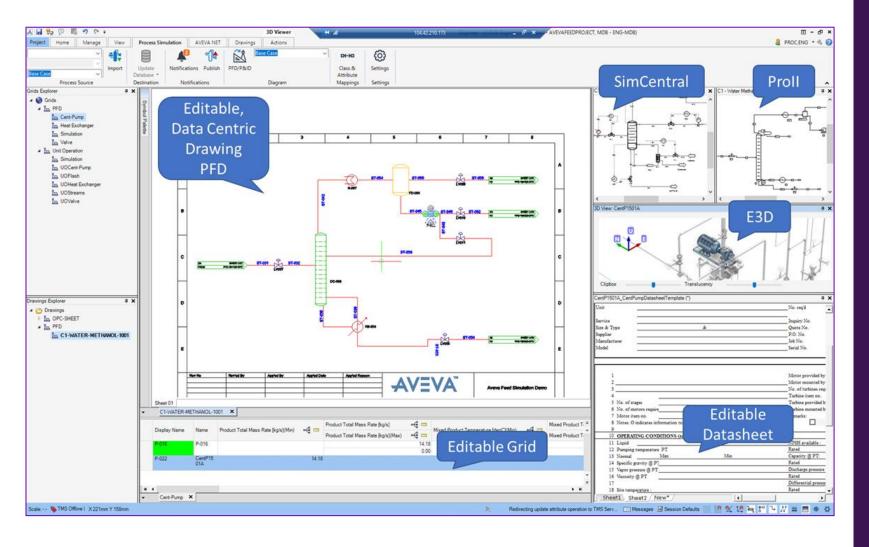


Status Control

- Configuration according to the customer and project workflows
- Custom actions during the transition between of statuses
- Statistics can provide an overview of the project progress



Information Context

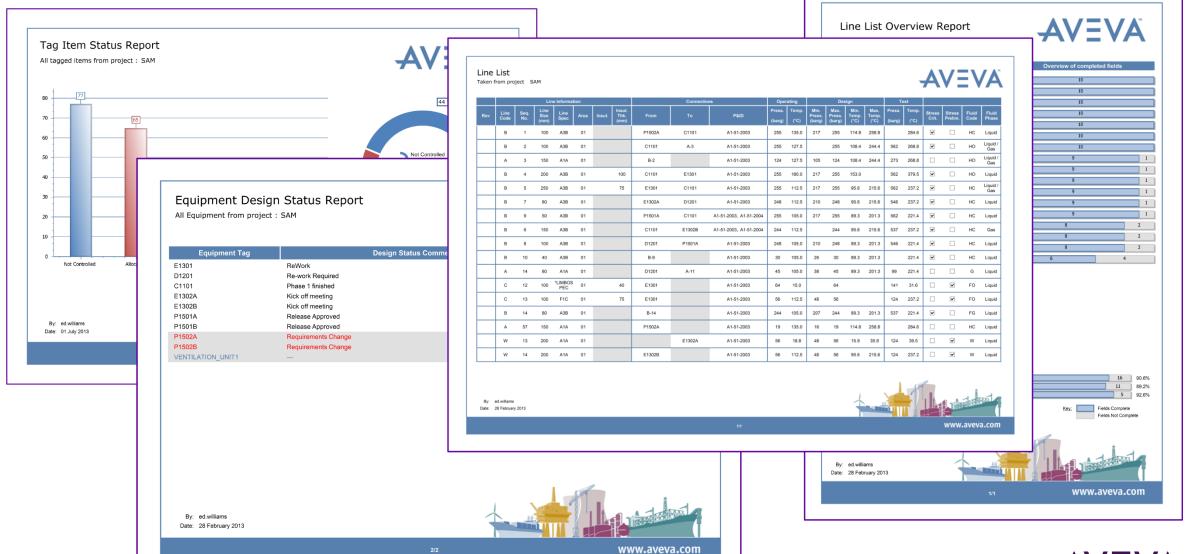


Connected Information

- Visualize the items on:
 - 3D Model
 - P&ID
 - PFD
 - Datasheets
 - Lists
 - Process Simulation

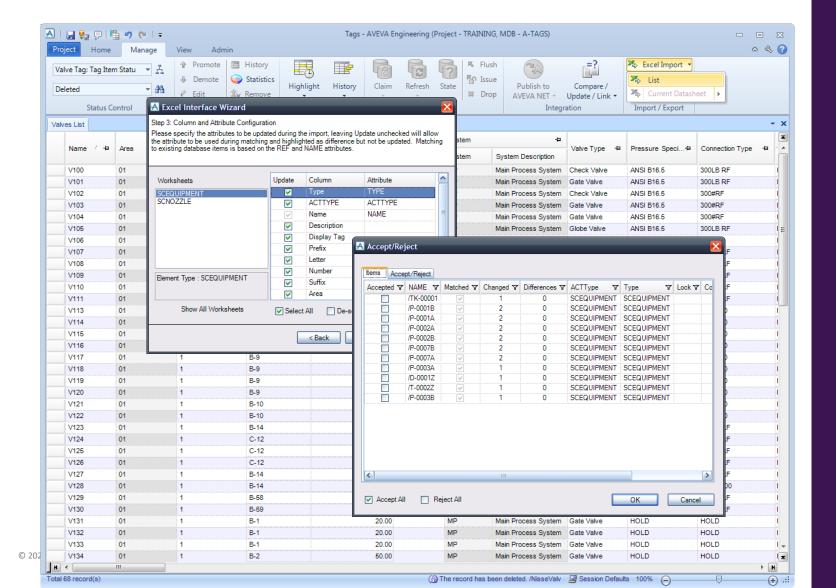


Reports





Integration



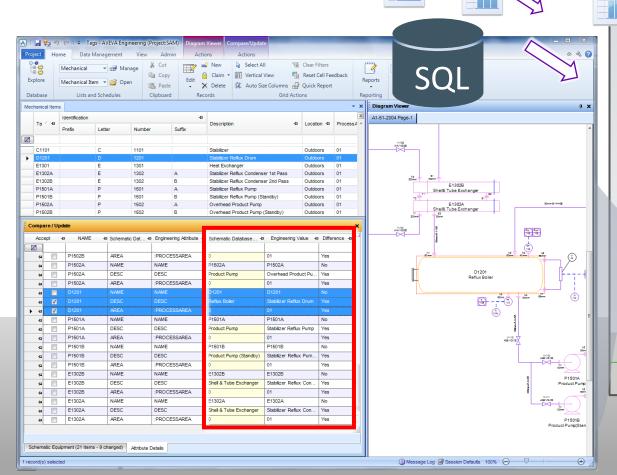
Import / Export

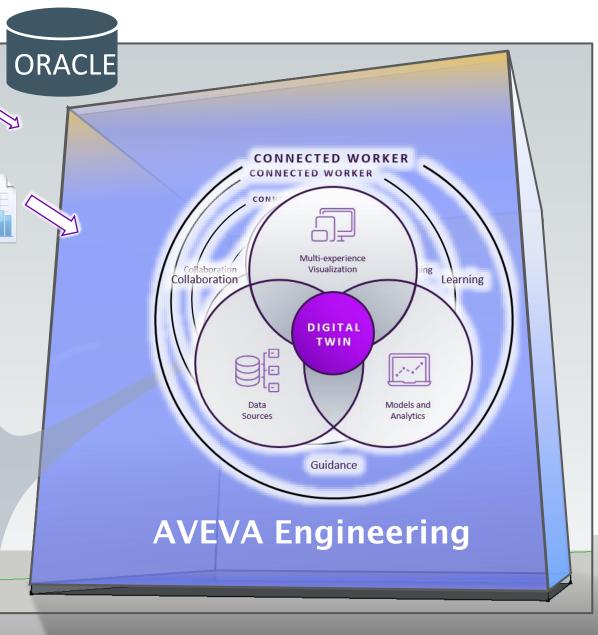
- Compare & Update between AVEVA databases and external databases
- Attribute mapping, change highlight and selective update function





- Using AVEVA Integration Services
- External database (ORACLE / SQL Server and Excel)



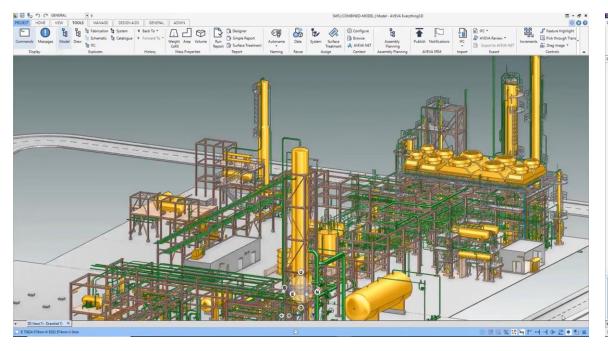


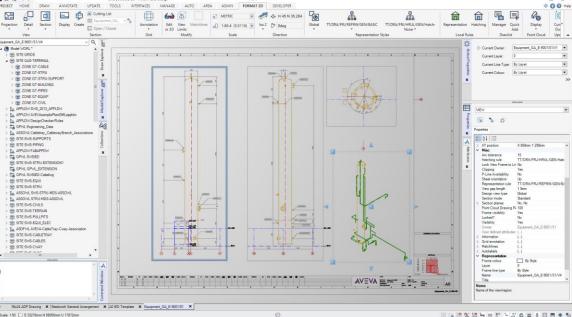
AVEVA™ E3D Design



Introduction to AVEVA E3D Design

- AVEVA E3D Design is an advanced 3D design solution for a wide industries layout.
- It enables powerful visualization, clash-free, multi-discipline 3D design, and rapidly generates accurate drawings and reports to reduce costs, timescales and commercial risks of both greenfield and brownfield capital projects.



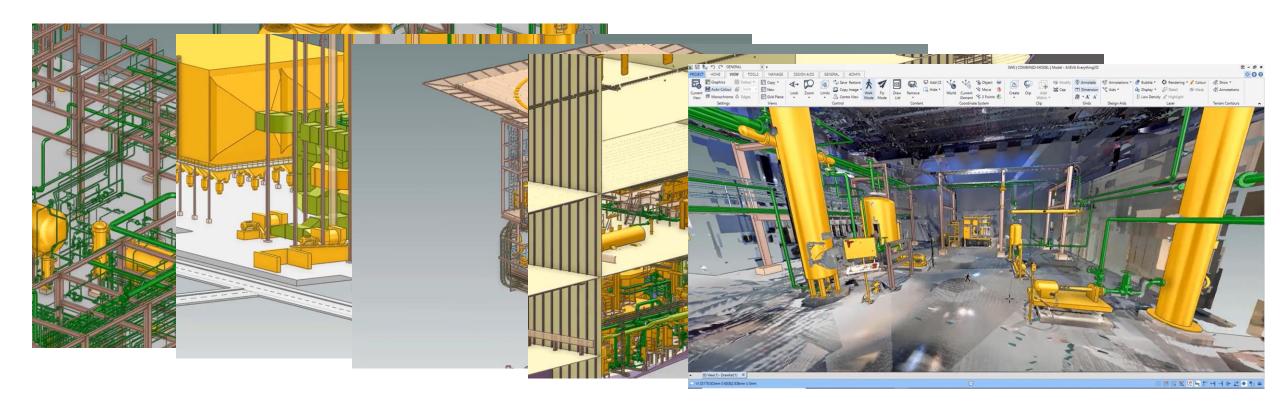




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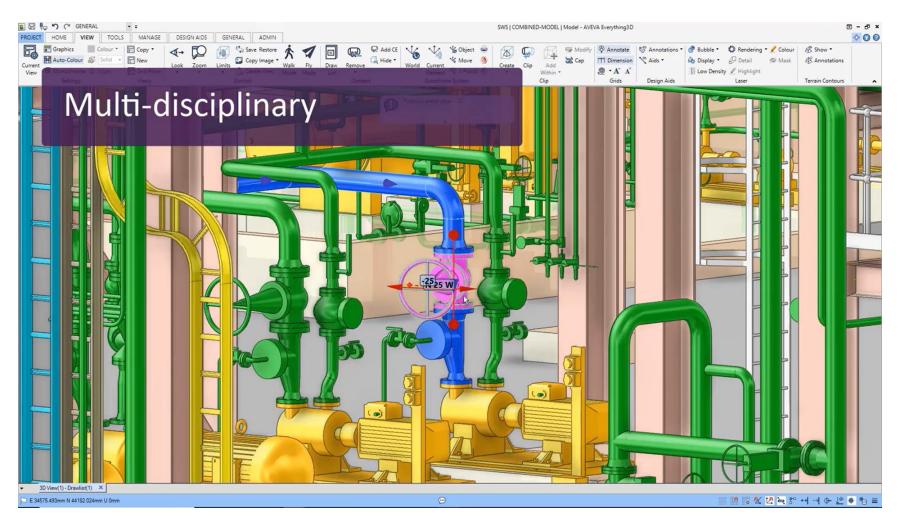
AVEVA E3D Design

 AVEVA E3D Design – the answer to process Plant, Power, Offshore and Marine industries, including brownfield projects of these.





AVEVA E3D Design – Multi-disciplinary design solution



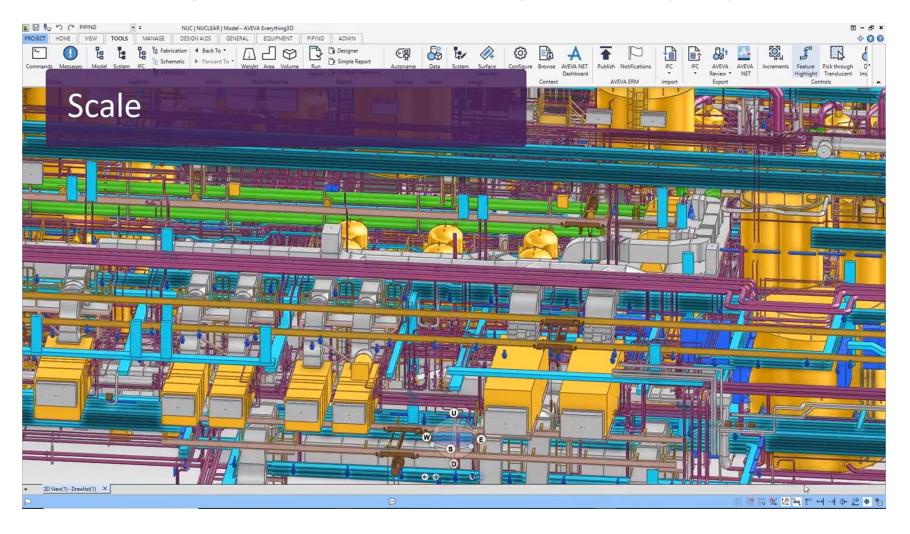


AVEVA E3D Design – Clash-free design



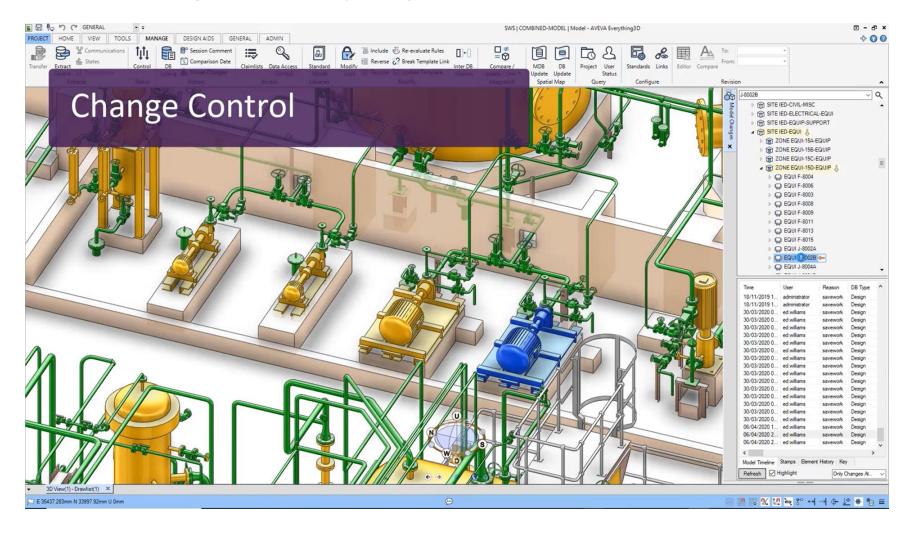


AVEVA E3D Design – Answer to large scale projects



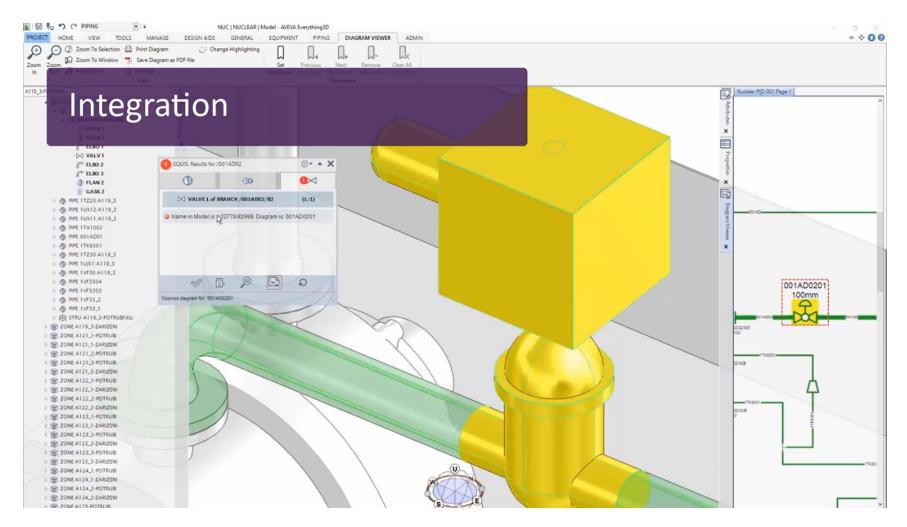


AVEVA E3D Design – Keeping data under the control



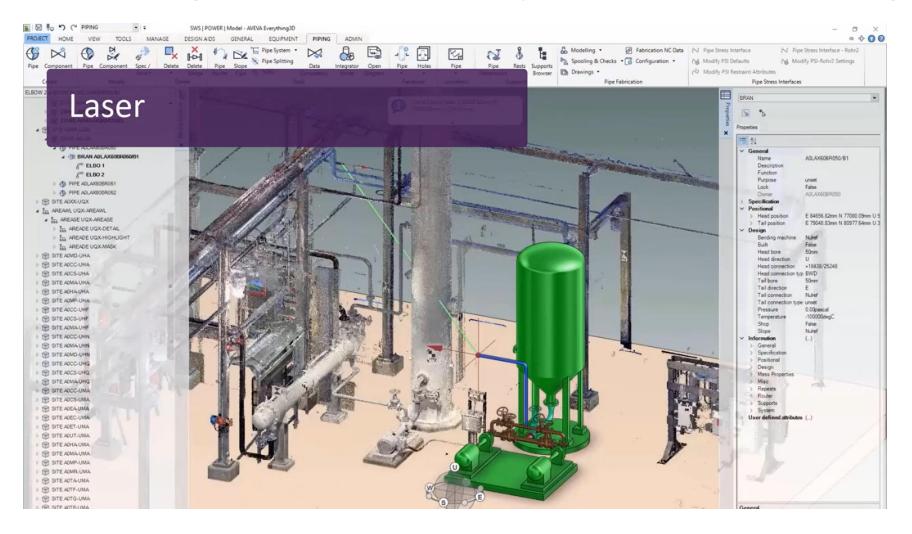


AVEVA E3D Design – Integrated to other AVEVA applications





AVEVA E3D Design – Laser data as part of the new design



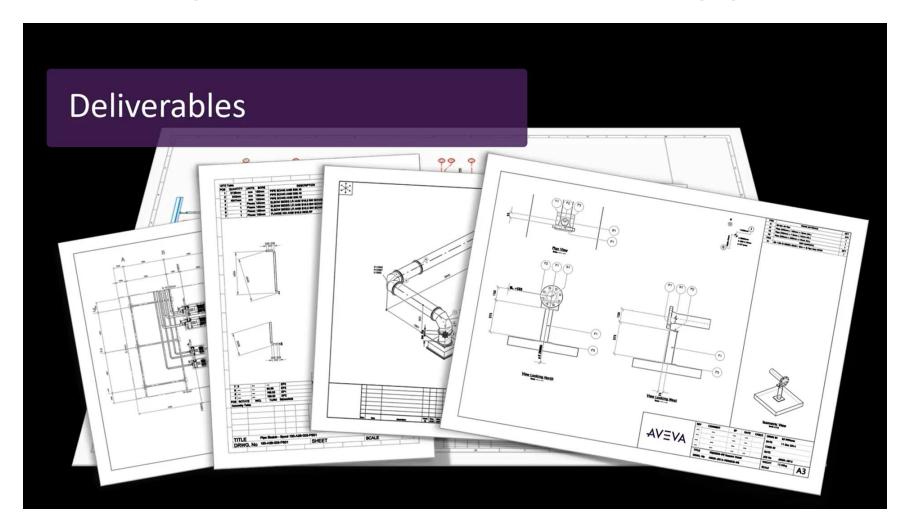


AVEVA E3D Design – Powerful reporting solutions



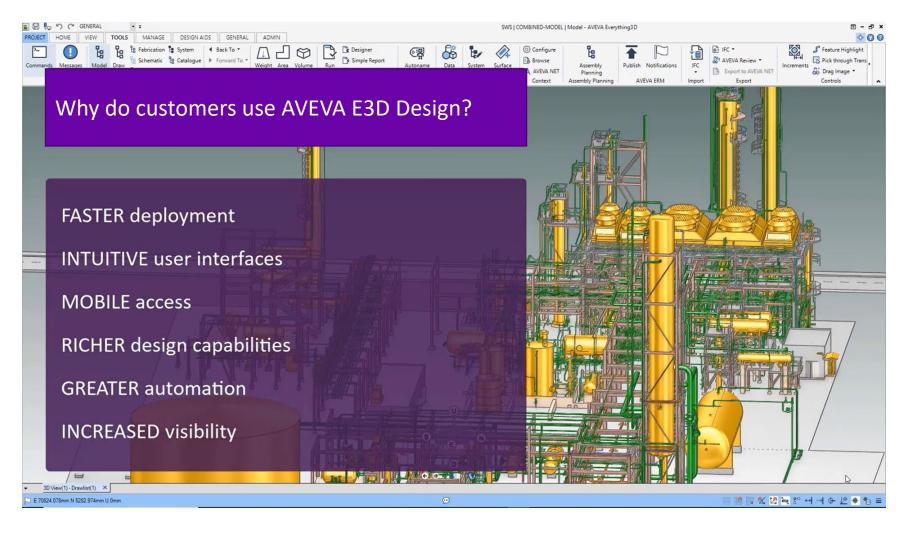


AVEVA E3D Design Draw – Advanced drawing generation tool





AVEVA E3D Design – answers customers' challenges

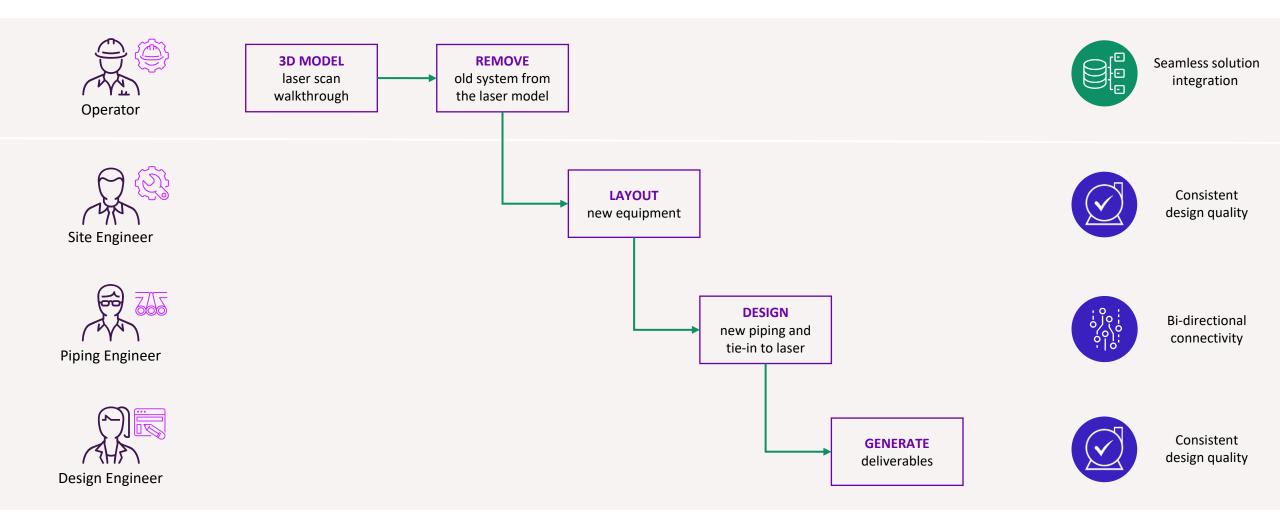




Detailed Design - Brownfield



Brownfield detailed design





Speaker name

Speaker title

- Company
- email@company.com

Speaker name

Speaker title

- Company
- email@company.com



"Quotes really standout on backgrounds like this. Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam nonummy tincidunt ut laoreet dolore magna aliquam volutpat."

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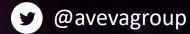


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ABOUT AVEVA

AVEVA, a global leader in industrial software, drives digital transformation for industrial organizations managing complex operational processes. Through Performance Intelligence, AVEVA connects the power of information and artificial intelligence (AI) with human insight, to enable faster and more precise decision making, helping industries to boost operational delivery and sustainability. Our cloud-enabled data platform, combined with software that spans design, engineering and operations, asset performance, monitoring and control solutions delivers proven business value and outcomes to over 20,000 customers worldwide, supported by the largest industrial software ecosystem, including 5,500 partners and 5,700 certified developers. AVEVA is headquartered in Cambridge, UK, with over 6,000 employees at 90 locations in more than 40 countries. For more details visit: www.aveva.com

