AVEVA PI WORLD

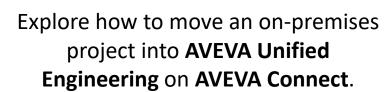
Moving from On Premises to AVEVA™ Connect with AVEVA™ Unified Engineering

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Brief overview of the administration required to create our **AVEVA Unified Engineering** environments.



Best practices to follow to when working in the **AVEVA Connect** - **Unified Engineering** Environment.



Common Project Challenges



Project Data

is scattered in multiple non standardized multi-brand environments



IT Infrastructures

often very **rigid**, **expensive** and **unreliable** if not properly managed

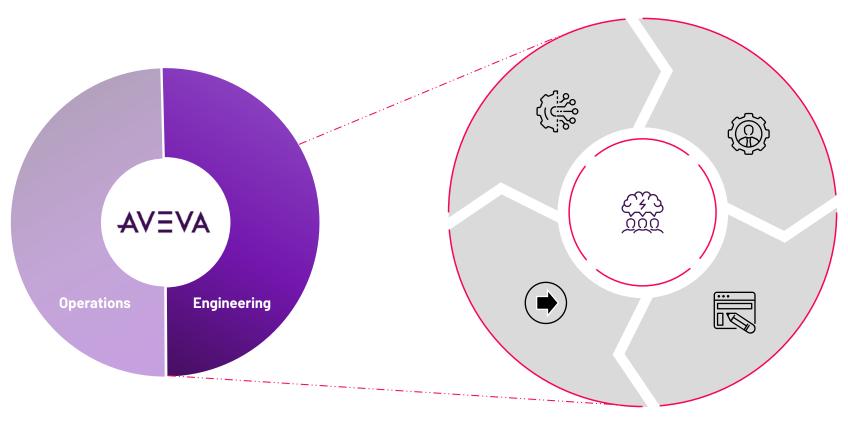


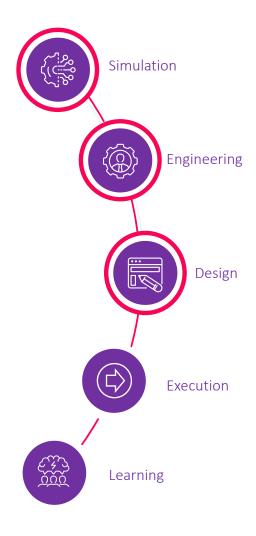
Multiple Environments

require upfront investments in hardware, software and high-profile staff to maintain it and make them secure



Overview

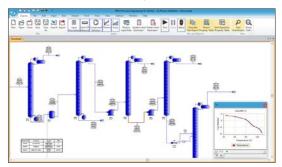




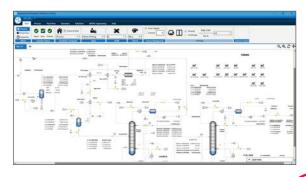


Key Solutions available on AVEVA Connect

AVEVA™ PRO/II Simulation



AVEVA™ Process Simulation



AVEVA™ Engineering

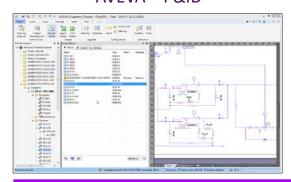


AVEVA™ Electrical and Instrumentation

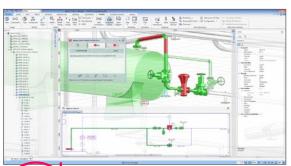


CONCEPTUAL DESIGN/PROCESS SIMULATION

AVEVA™ P&ID



AVEVA™ Diagrams



AVEVA™ E3D Design

FRONT END ENGINEERING DESIGN (FEED)



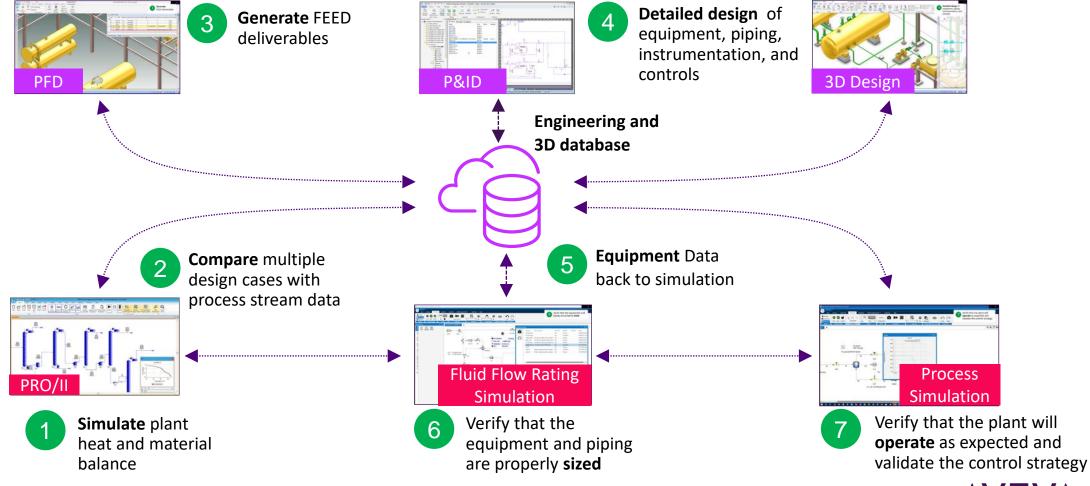
FEED cont'd

DETAILED DESIGN



AVEVA Unified Engineering

An improved workflow



Simulation changes made for Rating and Dynamics are automatically included in process simulation



The Transition Journey

• To move on **AVEVA Unified Engineering** on **AVEVA Connect** is important to identify the following elements, to have a clear picture of the **environment infrastructure**:



Products

List all the **Products** and the product version **involved** in the project(s) for comparison with the current **AVEVA Unified Engineering** release.



Locations

Plan accordingly your Execution
Strategy and work with our Cloud
Teams to find the best infrastructure
to fit the project purpose.





Administrative Elements

• **AVEVA Connect** required the creation of the following administrative elements:



Folders

represent the **Asset Hierarchy** in specific **Global locations**.



Users

are used to login to the AVEVA

Unified Engineering environments, inheriting permissions from the Groups they are part of.



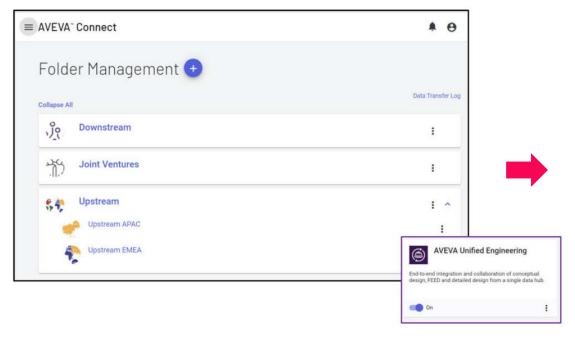
Groups and Roles

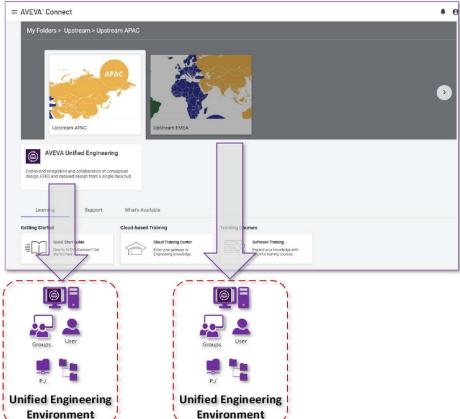
define all the permissions and capabilities the **users** have within the environment.



Folders

• Folders are used to represent your **Asset Hierarchy** in a specific location, giving the unique value to manage multiple standardized **Unified Engineering Environments** in different global locations in **AVEVA Connect**







Users

• Users play an essential role in AVEVA Connect:



the utilizations within AVEVA

Connect, associating the usernames with their real IDs for billing, security and accesses purposes.



Folders Visibility

is granted to each user if they belong to the right **Groups**.



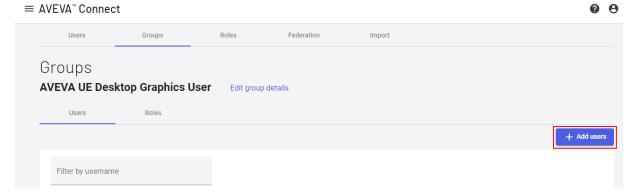
Engineering Roles

will be determined reading from all the **Groups** each user belongs



Groups and Roles Overview

 A User can be part of multiple Groups, inheriting all the permissions and capabilities given by the Roles associated to them.



• A **Group** may have multiple roles associated, adding multiple behaviours and permissions to the users part of it.





Groups and Roles Defaults

Group Name	Behaviour/Access	Roles Assigned
AVEVA UE Catalogue Administrator	AVEVA UE Catalogue Administrator (AC Folder)	Standard Customer, Standard Design
AVEVA UE 2D Drafter (PID)	AVEVA UE 2D Drafter (PID) (AC Folder)	Standard Customer, Standard Drafting PID
AVEVA UE 2D Drafter (Diagrams)	AVEVA UE 2D Drafter (Diagrams) (AC Folder)	Standard Customer, Standard Drafting Diagrams, Standard Visio
AVEVA UE 3D Designer	AVEVA UE 3D Designer (AC Folder)	Standard Customer, Standard Design
AVEVA UE < Discipline > Designer	AVEVA UE < Discipline > Designer (AC Folder)	Standard Customer, Standard <discipline> Design</discipline>
AVEVA UE Project Controls	AVEVA UE Project Controls (AC Folder)	Standard Customer, Standard Project Controls



Groups and Roles Defaults – part II

Group Name	Behaviour/Access	Roles Assigned
AVEVA UE Project Management	AVEVA UE Project Management (AC Folder)	Standard Customer, Standard Project Management
AVEVA UE Simulations Engineer	AVEVA UE Simulations Engineer (AC Folder)	Standard Customer, Standard Simulations
AVEVA UE Desktop Graphics User	AVEVA UE Desktop Graphics User (AC Folder) / Used to assign a Graphic Environnent to the User	Desktop Graphics User
AVEVA UE Desktop Standard User	AVEVA UE Desktop Standard User (AC Folder) / Used to assign a Standard Environnent to the User	Desktop Standard User



Questions?

Please wait for the microphone

State your name and company





The Environment creation

• The users, once configured by the **Administrator**, will be able to launch the **AVEVA Unified Engineering Environment Creation Wizard** from the **AVEVA Unified Engineering** folder tile:



must be installed in all the users' machines to open the **AVEVA Unified Engineering** environments



AVEVA™ Unified Engineering Desktop

must be installed to give the users the capability to **create** the environment and to **access** it using the **AVEVA Connect** credentials



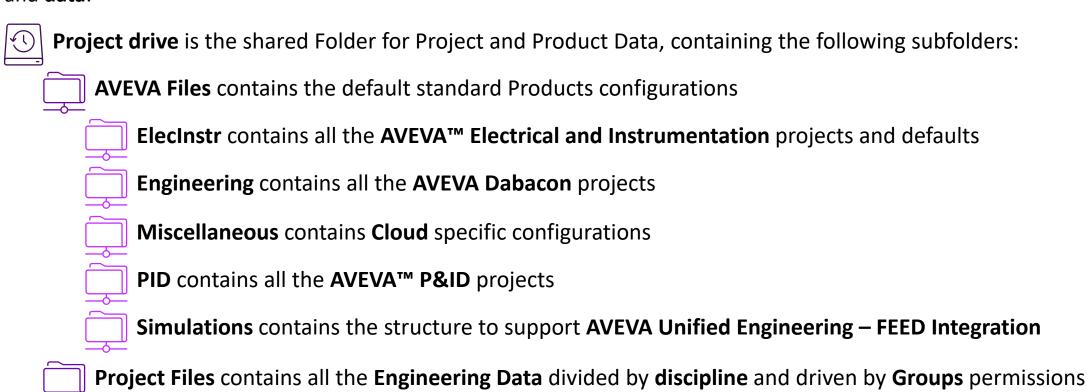
Launch Unified Engineering

environment once the **driven** creation procedure is complete.



The Project Drive

• In the **AVEVA Unified Engineering** Cloud environment the **Project drive** is structured to store all the **Engineering project** and **data**:





Additional Drives

 In addition to the Project drive, these additional drives can be found in the AVEVA™ Unified Engineering environment:



C Drive

Local storage for **Windows** and **software** installations



D Drive

Local storage for **User Data** (user profiles, desktop icons, document and Download)



L Drive

Shared storage for laser data



During official upgrades and maintenance, the data on C:\ drive is completely replaced. Therefore, users must not save anything relevant in it.



Default Projects

• By default, the following **Dabacon projects** in an **AVEVA Unified Engineering** environment are deployed:



APS

AVEVA™ Plant Sample contains typical project data to be used as sample file only



AVEVA Plant Sample
Catalogue contains typical
project catalogue data to be
used as sample file only



ASP

AVEVA™ Engineering SEED

Sample can be used as

starter project



ATP

AVEVA Engineering Sample used to demonstrate the AVEVA Engineering key functionalities



AVEVA Sample Projects (APS, ACP) should always remain untouched and used only as sample data.



Files Upload/Download

• Engineering Projects and data can be uploaded easily into the AVEVA Unified Engineering environment:



Third-party cloud storage tools are supported (Microsoft OneDrive, Dropbox, etc..)



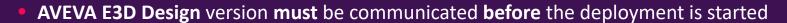
Microsoft OneDrive Sync App is included for Windows File Explorer synchronization of files and/or folders with on-premises Desktops.



AVEVA Unified Engineering Products



Products Considerations – AVEVA™ E3D Design









 Certify all the Report Designer reports prior to upload them in the Unified Engineering Cloud Environments.



If **AVEVA™ Engineering Integration Services** is needed for integration, please contact our 24/7 Cloud Support team and give all the details about the services needed in the backend.



Products Considerations – AVEVA™ Diagrams



- Microsoft Visio 2016 licenses can be provided prior agreement with AVEVA
- For existing complex projects check with our Cloud experts your deployment structure, strategy and scope
- For high customized environments contact our Cloud Experts about the possibility to lift them in AVEVA Unified Engineering



If **AVEVA Engineering Integration Services** is needed for any integration, please contact our 24/7 Cloud Support team and give all the details about the services needed in the backend.



Products Considerations – AVEVA™ Engineering



- Organize the disciplines subfolders to collect all the Engineering deliverables in an ordered way
- FEED Integration quick setup with referenced SEED Project
- SEED Project offers a quick starting point for the E&I and FEED Modules
- **Certify** all the VBA embedded script in the **External Calculation Templates** prior to upload them in the Unified Engineering Cloud Environments
- If the Cross-Discipline notifications feature is used in an existing project, be sure to consume all these notifications before to move the project in AVEVA Unified Engineering



- Tag Management System Services details has to be communicated to AVEVA to be deployed
- If **AVEVA Engineering Integration Services** is used for any integrations, please contact our 24/7 Cloud Support team and give all the details about the services needed in the backend



Products Considerations – AVEVA™ Engineering - E&I Module



- Organize the disciplines subfolders to collect all the Engineering deliverables in an ordered way
- As on-premises all the E&I features for the configuration and the production of E&I deliverables
 (Single Line Diagram, Motor Schematic diagrams, Termination Drawings, Installation details
 drawings, Hook-up drawings, Instruments Lists, Control Loops lists and drawings, etc) and BoM
 for all the items defined in the Configuration module
- Certify all the VBA embedded script in the External Calculation Templates prior to upload them in the Unified Engineering Cloud Environments



- Tag Management System Services details has to be communicated to AVEVA to be deployed
- If AVEVA Engineering Integration Services is used for any integration, please contact our 24/7 Cloud
 Support team and give all the details about the services needed in the backend



Products Considerations – AVEVA™ Electrical and Instrumentation



- Organize the disciplines subfolders to collect all the Engineering deliverables in an ordered way
- An Autodesk AutoCAD standalone single user license should be purchased by our customers directly from Autodesk to be used in each Cloud Unified Engineering environment
- As on-premises all the **E&I features** for the configuration and the production of **E&I deliverables** (Single Line Diagram, Motor Schematic diagrams, Termination Drawings, Installation details drawings, Hook-up drawings, Instruments Lists, Control Loops lists and drawings, etc.)



- SQL database and Credentials list should be provided to our Cloud Support to be implemented.
- If **AVEVA™ Integration Services** is used for any integration, please contact our 24/7 Cloud Support team and give all the details about the services needed in the backend.



Products Considerations – AVEVA™ P&ID



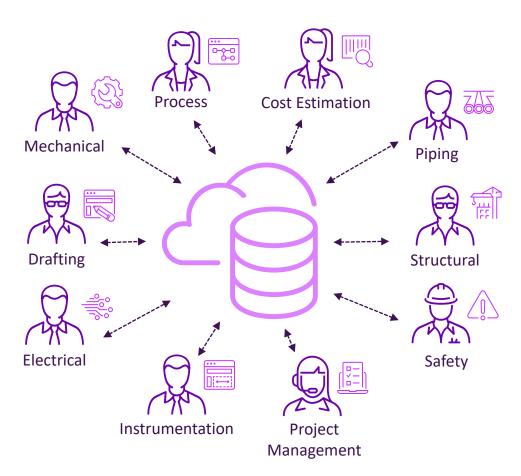
- An Autodesk AutoCAD standalone single user license should be purchased by our customers directly from Autodesk to be used in each Cloud Unified Engineering environment
- For existing projects check with our Cloud experts your deployment structure, strategy and scope
- AVEVA P&ID generates automatically the xml files required for Schematic Model Manager
- **ISO 15926 Dexpi** export is available as on premise



- SQL database and Credentials list should be provided to our Cloud Support to be implemented.
- If AVEVA Engineering Integration Services is used for any integration, please contact our 24/7 Cloud Support team and give all the details about the services needed in the backend.



Key Benefits





+30% Engineering efficiency
20% Reduction in project schedule
+50% Faster FEED Stage
5% Saving in Total Installed Cost



- Reduce overall IT costs
- Fast deployment and scalable
- Multi-site Environment standardization



Considerable savings across 3 years compared to On-Premise solutions.



"When we shift our perception, our experience changes."

Lindsay Wagner





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謝謝

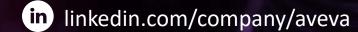
DZIĘKUJĘ CI TERIMA KASIH KÖSZÖNÖM E MATUR NUWUN XBAJA BAM MULŢUMESC TAS TIBI 済 OBRIGA TAKK SKALDUHA 炭 MERCI ざいました ロロロ MÈSI DERIT ĎAKUJEM HATUR NUHUN PAXMAT CAFA SIPAS JI WERE ТИ БЛАГОДАРАМ

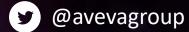


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AVEVA is a global leader in industrial software, driving digital transformation and sustainability. By connecting the power of information and artificial intelligence with human insight, AVEVA enables teams to use their data to unlock new value. We call this Performance Intelligence. AVEVA's comprehensive portfolio enables more than 20,000 industrial enterprises to engineer smarter, operate better and drive sustainable efficiency. AVEVA supports customers through a trusted ecosystem that includes 5,500 partners and 5,700 certified developers around the world. The company is headquartered in Cambridge, UK, with over 6,500 employees and 90 offices in over 40 countries.

Learn more at www.aveva.com

