

“There were 5 exabytes of information created between the dawn of civilization through 2003, but that much information is now created every two days.”

ERIC SCHMIDT, EXECUTIVE CHAIRMAN AT GOOGLE

OCTOBER 25, 2023

---

# Information Management implementation journey: the MAIRE success story

Fabio Bitetto – Project Information Manager

Massimo Rosi – Engineering Processes Digitalization Head of Department

**AVEVA**

---

# Agenda

- MAIRE Digital Transformation Approach
- Information Management Challenges
- Information Management Framework
- Maire adoption deep dive
- Benefits and final conclusion
- Q&A





---

## Massimo Rosi

Engineering Processes Digitalization Head of Department

- Tecnimont
- [m.rosi@tecnimont.it](mailto:m.rosi@tecnimont.it)



## Fabio Bitetto

Project Information Manager

- Tecnimont
- [f.bitetto@tecnimont.it](mailto:f.bitetto@tecnimont.it)

# MAIRE INTEGRATED ORGANIZATION

## SUSTAINABLE TECHNOLOGY SOLUTIONS

---

-  **NEXTCHEM**  
Holding
-  **NEXTCHEM**
-  **MYRECHEMICAL**
-  **MYREPLAST**  
Industries
-  **NEWCO CATC**
-  **STAMICARBON**
-  **CONSER**



## PROJECT DEVELOPMENT

---

 **MET DEVELOPMENT**

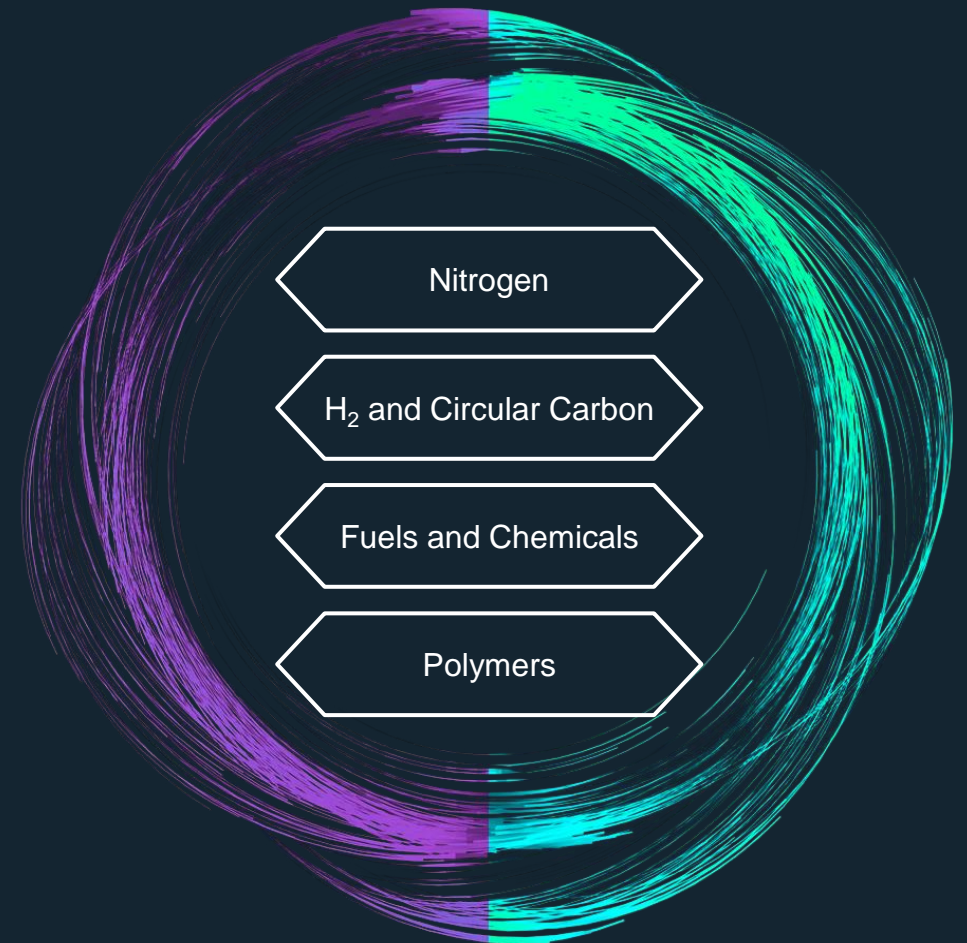
## INTEGRATED E&C SOLUTIONS

---

-  **TECNIMONT**
-  **KT**
-  **MST**

# MAIRE CORE BUSINESS

We are enablers of innovation and energy transition, working alongside businesses to co-develop sustainable technologies and design integrated solutions in fertilizers, hydrogen, carbon capture & storage, fuels & chemicals, and polymers.



# GLOBAL PRESENCE

6,451

TOTAL  
EMPLOYEES

~26,000

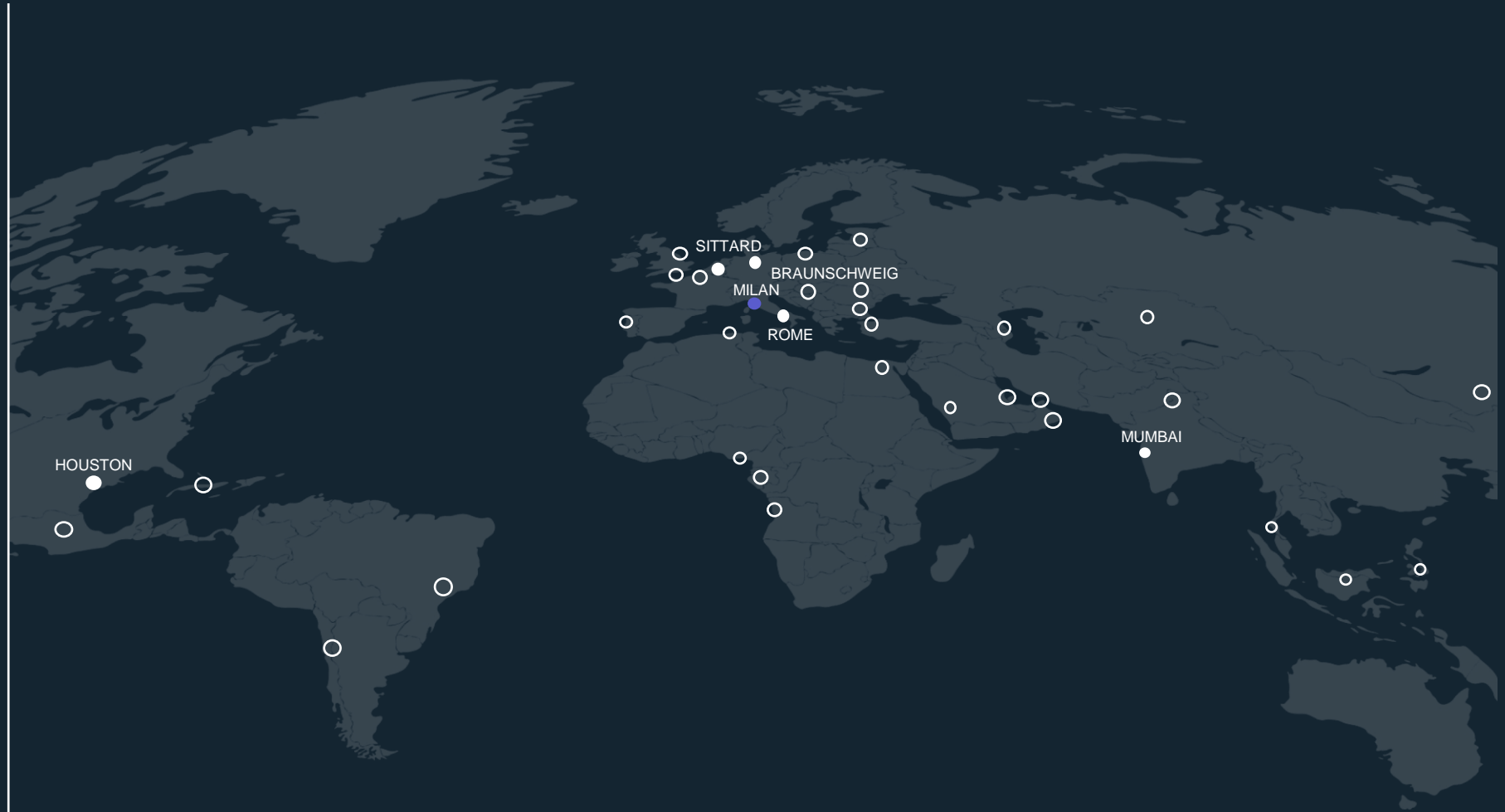
EMPLOYEES &  
PROFESSIONALS ENGAGED  
ON PROJECTS

~1,500

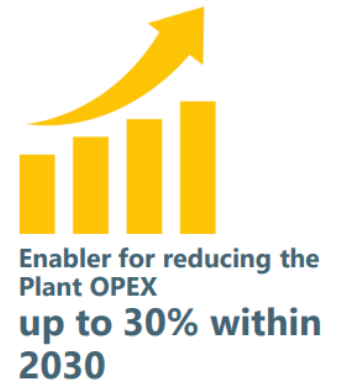
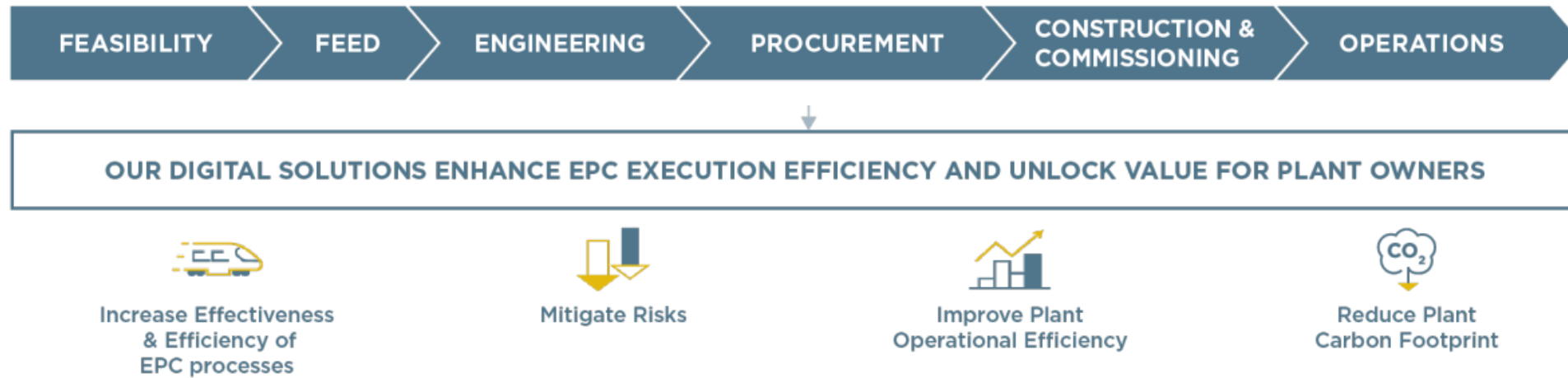
TOTAL  
DELIVERED  
PROJECTS

45

COUNTRIES



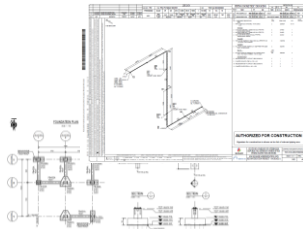
# MAIRE Digital Transformation Approach





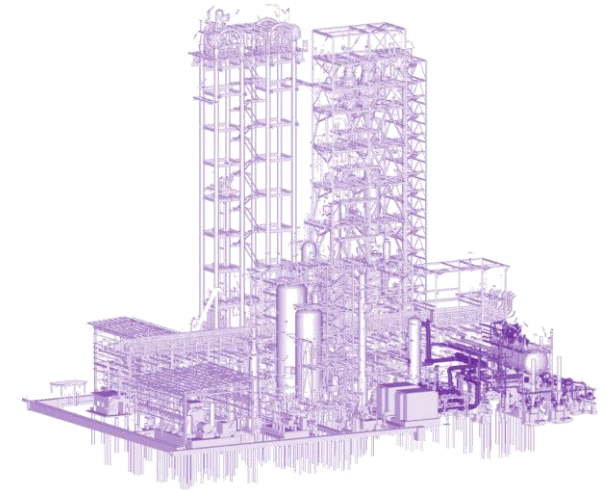
# MAIRE Digital Transformation Approach: IM

## Document Centric Approach



## Data Centric Approach

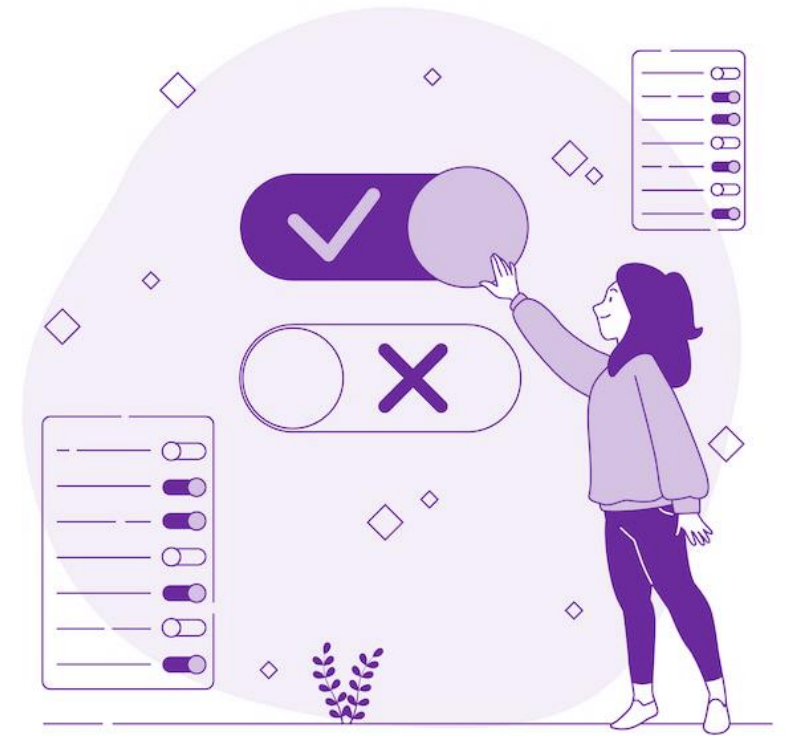
P&ID				Process Data										Inventory Data			
Doc Number	Doc Name	Rev	Issued	Phase	Unit	HEAT	COOL	Flow	Phase	Temp	Temp	Inventory	Condition	Qty	Length		
Doc No.	Doc Name	Rev	Issued	Phase	Unit	Heat (kW)	Cool (kW)	Flow (kg/s)	Phase	Temp (°C)	Temp (°C)	Inventory (kg)	Condition	Qty	Length (m)		
IND001	PLANE GAS REGENERATOR	A	1.00	101	REGEN	-1.00	0.00	-101.00	REGEN	1210.0	1210.0	100	Normal	1210.0	100		
IND002	TOWER REGENER COLUMN	A	0.00	101	REGEN	-1.00	0.00	0.00	REGEN	100.0	100.0	100	Normal	100.0	100		
IND003	METHANOL COLUMN FEED PUMP	A	0.00	101	PUMP	0.00	0.00	0.00	PUMP	100.0	100.0	100	Normal	100.0	100		
IND004	METHANOL COLUMN REFLUX	A	0.00	101	REFLUX	-1.00	0.00	-100.00	REFLUX	100.0	100.0	100	Normal	100.0	100		
IND005	METHANOL PRODUCT COOLER	A	0.00	101	COOLER	-1.00	0.00	-100.00	COOLER	100.0	100.0	100	Normal	100.0	100		
IND006	METHANOL COLUMN CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND007	FEED PUMP REGENERATOR	A	0.00	101	PUMP	0.00	0.00	0.00	PUMP	100.0	100.0	100	Normal	100.0	100		
IND008	FEED EXCHANGER	A	0.00	101	EXCHANGER	-1.00	0.00	-100.00	EXCHANGER	100.0	100.0	100	Normal	100.0	100		
IND009	REFLUX EXCHANGER	A	0.00	101	EXCHANGER	-1.00	0.00	-100.00	EXCHANGER	100.0	100.0	100	Normal	100.0	100		
IND010	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND011	REFLUX REFRIGERATOR	A	0.00	101	REFRIGERATOR	-1.00	0.00	-100.00	REFRIGERATOR	100.0	100.0	100	Normal	100.0	100		
IND012	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND013	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND014	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND015	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND016	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND017	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND018	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND019	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND020	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND021	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND022	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND023	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND024	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		
IND025	REFLUX CONDENSER	A	0.00	101	CONDENSER	-1.00	0.00	-100.00	CONDENSER	100.0	100.0	100	Normal	100.0	100		



# Information Management Challenges

## Data Centric Approach **enables**

- ✔ Live data availability
- ✔ Process Automation
- ✔ Digitalization
- ✔ Data-driven Decision Making



---

# Information Management Challenges

But Data Centric Approach **could lead to**

- ✘ Data Redundancy
- ✘ Misinterpretation
- ✘ Usage of not-certified Data
- ✘ Operational Inefficiencies



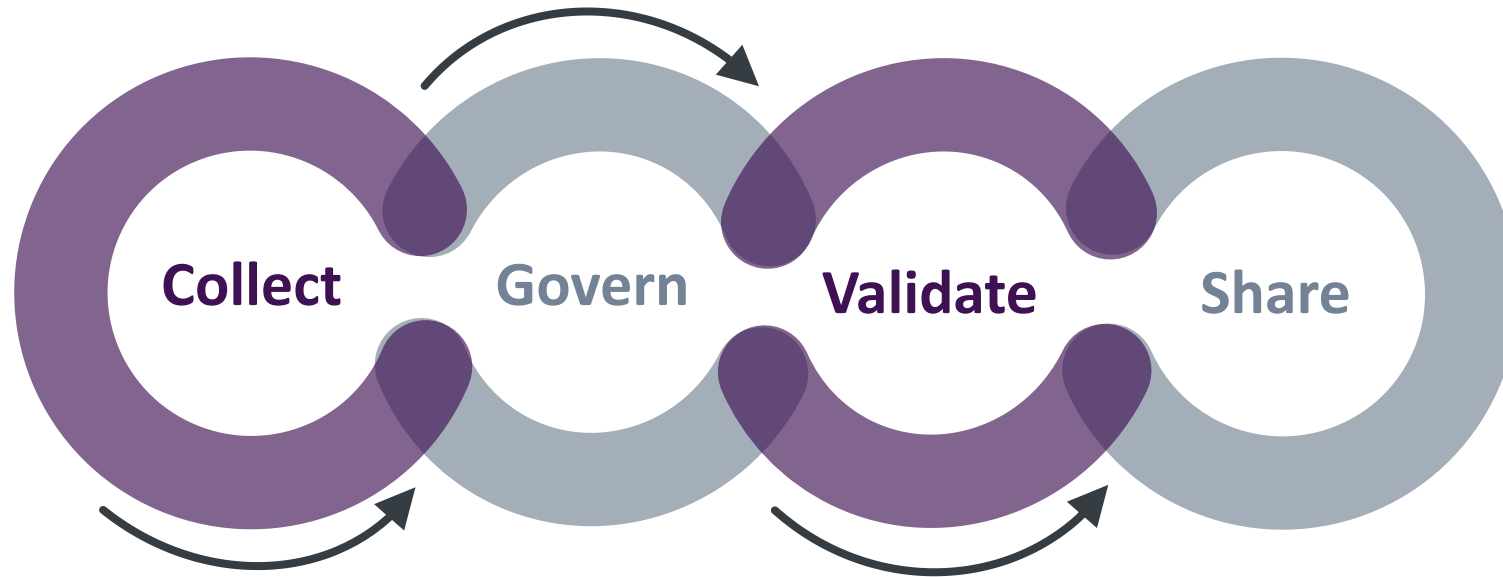
---

# Information Management Challenges

## Information Management

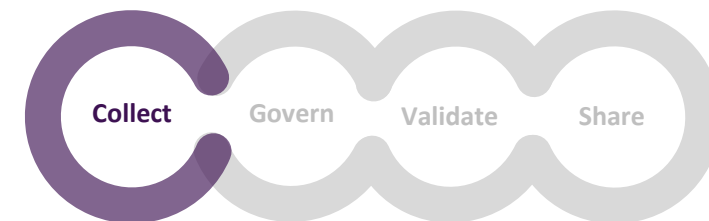


# Information Management Framework



**Availability – Accuracy - Reliability – Accessibility**

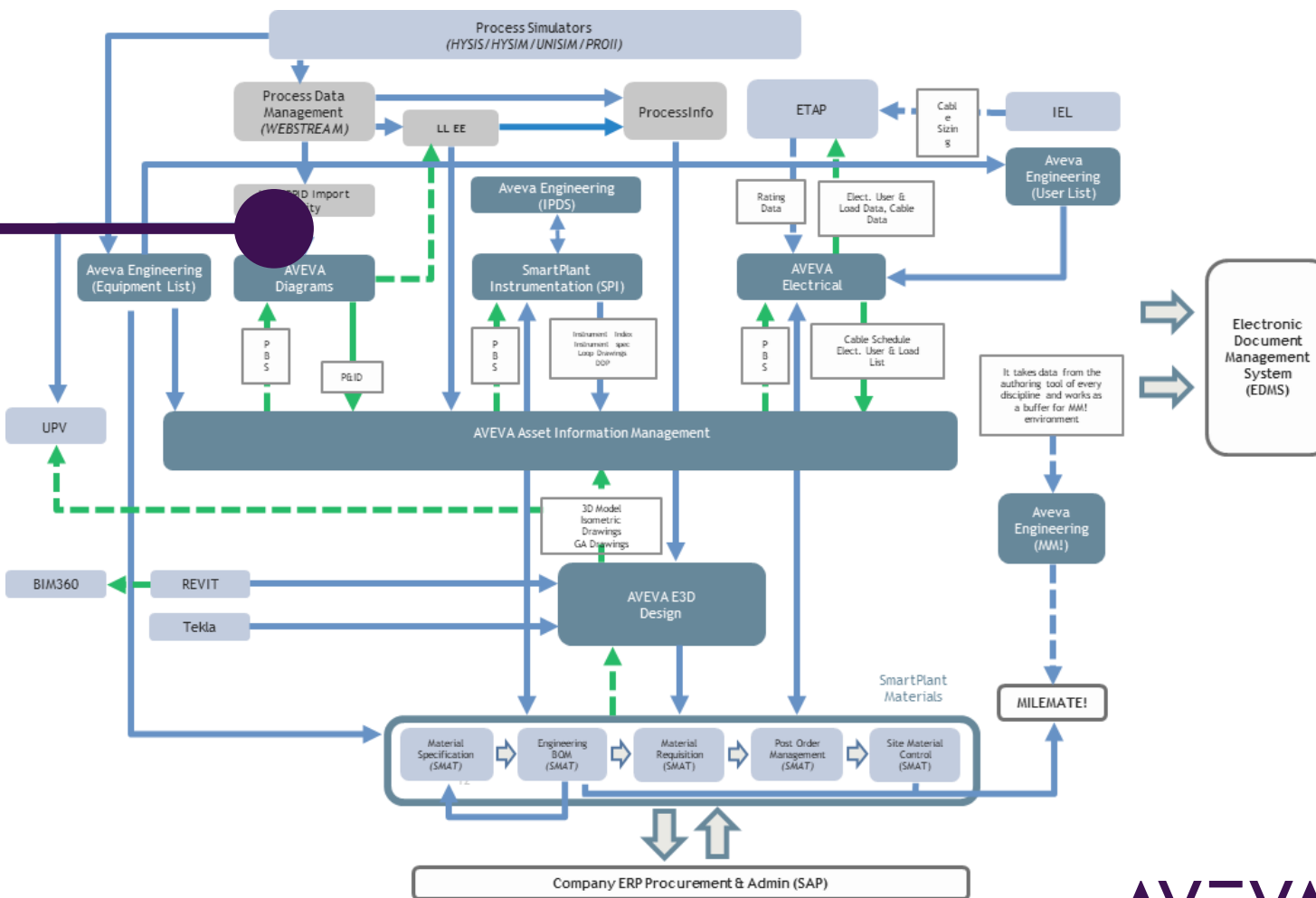
# Information Management Framework



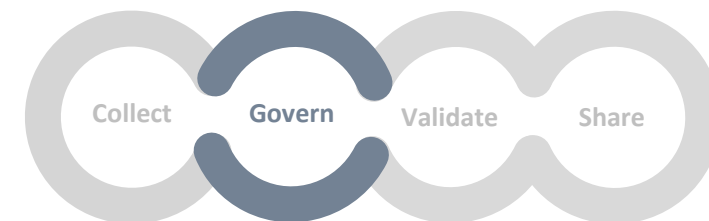
## Data Collection

## Data Production Layer

Engineering Data Sources used by disciplines during project execution



# Information Management Framework



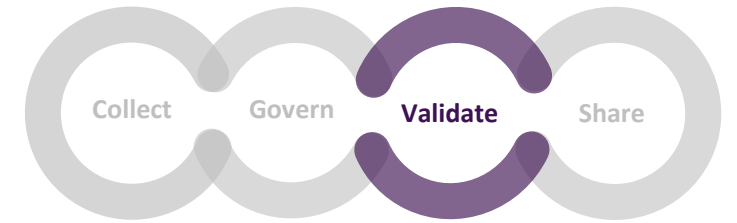
## Data Governance

- **Data Standardization:** creation of Company standard CFIHOS compliant
- Data Harmonization
- Data Integration



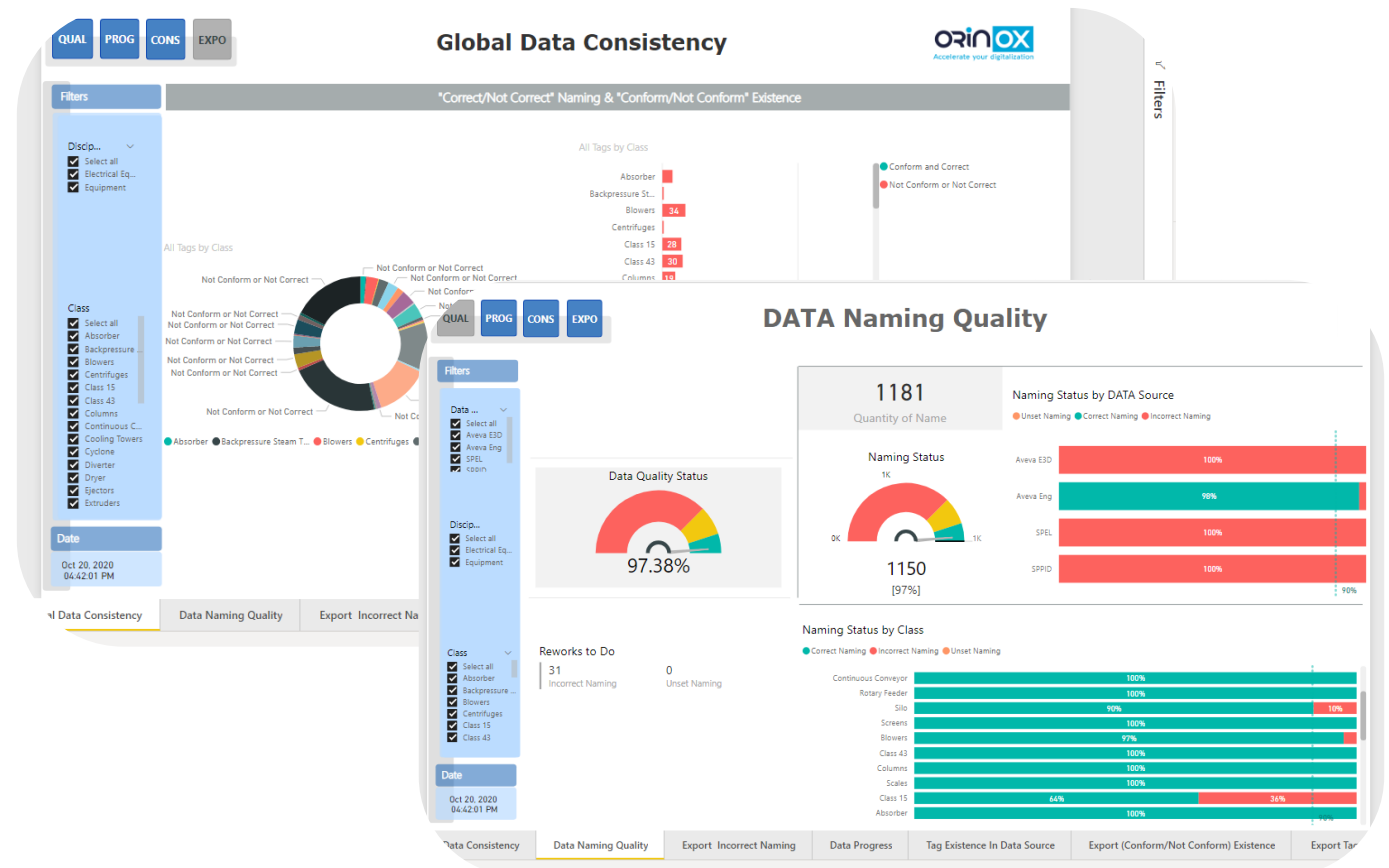
Class_Id	Class Name	Id	Attribute Name
FC-30001093	EXTRUDER	FA-00000326	driver type
FC-30001093	EXTRUDER	FA-00002289	type of working body
FC-30000339	FAN	FA-00000702	molecular weight at normal operating conditions
FC-30000339	FAN	FA-00000751	normal operating inlet pressure
FC-30000339	FAN	FA-00000763	normal operating inlet temperature
FC-30000339	FAN	FA-00001693	normal operating inlet volume flow rate
FC-30000339	FAN	FA-00000767	normal operating mass flow rate
FC-30000339	FAN	FA-00000770	normal operating outlet pressure
FC-30000339	FAN	FA-00000776	normal operating outlet temperature
FC-30000339	FAN	FA-00001694	normal operating outlet volume flow rate
FC-30000339	FAN	FA-00000777	normal operating power consumption
FC-30000339	FAN	FA-00000785	normal operating volume flow rate
FC-30000339	FAN	FA-00001643	driver equipment
FC-30000339	FAN	FA-00000326	driver type
FC-30000896	PUMP	FA-00000642	lower limit operating inlet pressure
FC-30000896	PUMP	FA-00000649	lower limit operating outlet pressure
FC-30000896	PUMP	FA-00000655	lower limit operating volume flow rate
FC-30000896	PUMP	FA-00000712	net positive suction head available at normal operating
FC-30000896	PUMP	FA-00000738	normal operating dynamic viscosity
FC-30000896	PUMP	FA-00000751	normal operating inlet pressure
FC-30000896	PUMP	FA-00000763	normal operating inlet temperature
FC-30000896	PUMP	FA-00000764	normal operating liquid density
FC-30000896	PUMP	FA-00000767	normal operating mass flow rate
FC-30000896	PUMP	FA-00000770	normal operating outlet pressure

# Information Management Framework



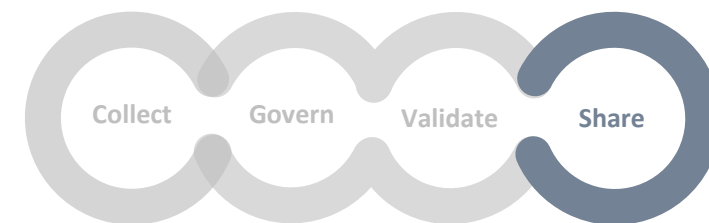
## Data Validation

- Tag & Property Quality Check
- Data Consistency
- Data Certification





# Information Management Framework



## Data Sharing

- Common shared environment
- Integration with downstream processes
- Early data visibility to final clients



The screenshot shows a software interface with a 'Consumer' header and a user profile 'Massimiliano'. Below the header are three main navigation cards: 'Projects' (generate published project report), 'Previews' (generate previews projects), and 'Download' (manage projects downloads). At the bottom is a detailed data table.

Object	WBS	Unit	Sub Unit	Tag Num	Tag Des	Tag Clas	Main Item	Package	SAP Mat	MR Cod	MTO Qty	UoM	MTO Un	Qty MR	PO Code
Item	N.A.	116	1161	A-11120A	DILUENT DD Agitator						1				
Item	N.A.	116	1161	A-11120B	DILUENT DD Agitator						1				
Item	N.A.	116	1161	A-11120C	DILUENT DD Agitator						1				
Item	N.A.	110	1105	A-11130	GREASE MIX Agitator					CD012	1	PCS		1750009900E	
Item	N.A.	116	1161	A-11131	OIL MIXER Agitator					CD012	1	PCS		1750009900E	
Item	N.A.	110	1105	A-11140A	CATALYST ↑ Agitator						1				
Item	N.A.	110	1105	A-11140B	CATALYST ↑ Agitator						1				
Item	N.A.	110	1106	A-11200	PRECONTAC Agitator					CD015	1	PCS		1750010255E	
Item	N.A.	110	1106	A-11501	STEAMER AI Agitator					CD004	1	PCS		17500097534	
Item	N.A.	110	1104	A-11650	OIL TREATIN Agitator					CD012	1	PCS		1750009900E	
Item	N.A.	120	1204	A-12105A	GREASE MIX Agitator						1				
Item	N.A.	120	1204	A-12106A	CATALYST ↑ Agitator						1				
Item	N.A.	120	1204	A-12106B	CATALYST ↑ Agitator						1				
Item	N.A.	120	1203	A-12201	PRECONTAC Agitator					CD015	1	PCS		1750010255E	
Item	N.A.	120	1203	A-12501	STEAMER AI Agitator					CD004	1	PCS		17500097534	
Item	N.A.	120	1205	A-12607	OIL TREATIN Agitator					CD012	1	PCS		1750009900E	
Item	N.A.	110	1103	B-11520A	DRYER BLO Compressor			B-11520A		GP010	1	PCS		17500103735	
Item	N.A.	110	1103	B-11520A1	VENTILATIO Compressor		B-11520A	B-11520A			1				
Item	N.A.	110	1103	B-11520A2	VENTILATIO Compressor		B-11520A	B-11520A			1				
Item	N.A.	110	1103	B-11520B	DRYER BLO Compressor			B-11520B		GP010	1	PCS		17500103735	
Item	N.A.	110	1103	B-11520B1	VENTILATIO Compressor		B-11520B	B-11520B			1				
Item	N.A.	110	1103	B-11520B2	VENTILATIO Compressor		B-11520B	B-11520B			1				
Item	N.A.	116	1172	B-11605	COOLING FF Miscellaneol		PK-11605	PK-11605			1				
Item	N.A.	117	1173	B-11714	NITROGEN F Compressor			PK-11710			1				
Item	N.A.	117	1173	B-11720	NITROGEN F Compressor			PK-11720			1				

# Information Management Challenges

## Advantages

### DATA OWNER

- Improving **data quality** and reducing **information duplication**
- Planning **how, when** and **why** information is shared and released
- Reducing the cost of **managing** and **sharing** data
- Providing the building blocks for **data-driven decision-making**

### DATA CONSUMER

- Making data **easier** to **find, access** and **use**
- Reducing the risk associated with **poorly managed** data
- Increasing **productivity** through the availability and use of data
- Integrate **downstream** processes
- **Early data visibility** to client that can start populating **operational tools**



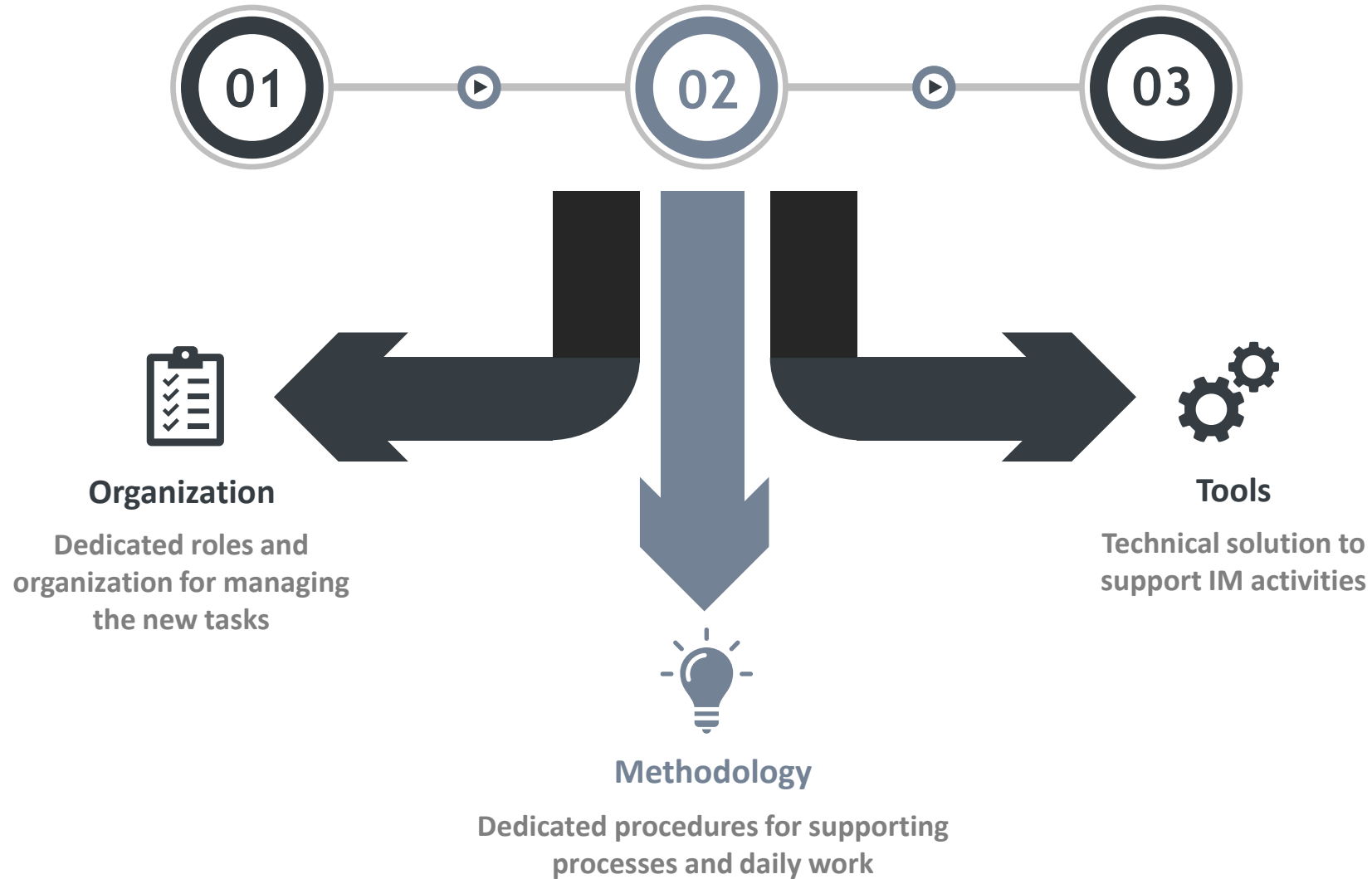
## Risks

- To much data to handle: **inefficiencies**
- IM activities perceived by the project's staff as **burdensome** and **unnecessary**



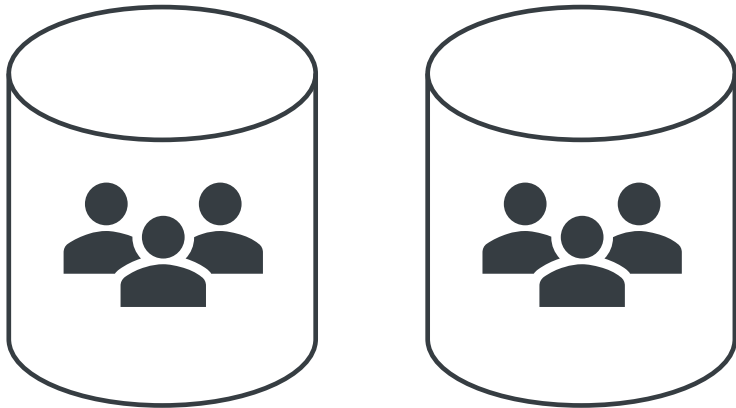
Information Management  
Lean Process

# MAIRE adoption deep dive



# MAIRE adoption deep dive: Organization

Dedicated IM structure,  
**separated** from project staff



- IM activities perceived **far** from project needs.
- Work with a **silos** approach.



**Decentralized** organization with  
**dedicated focal point** inside project task.  
**Information Manager** as a **unique**  
reference and coordinator for IM.



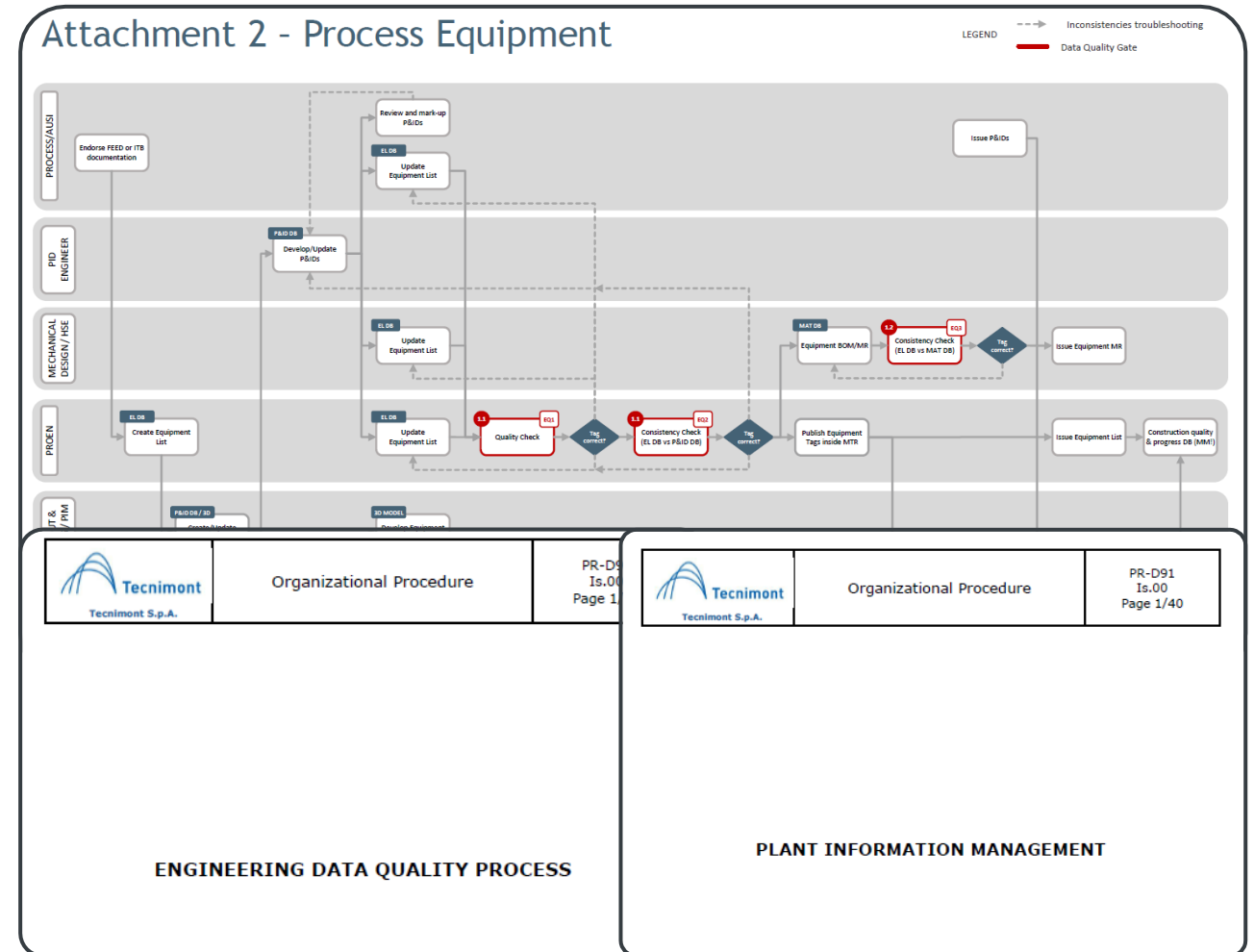
- Project staff **engagement**.
- **Daily tasks** organized with a data quality and **IM perspective**.

# MAIRE adoption deep dive: Methodology

IM processes are supported by company's **procedures** that clearly defines how data are **created, managed, validated** and **published** by each disciplines.

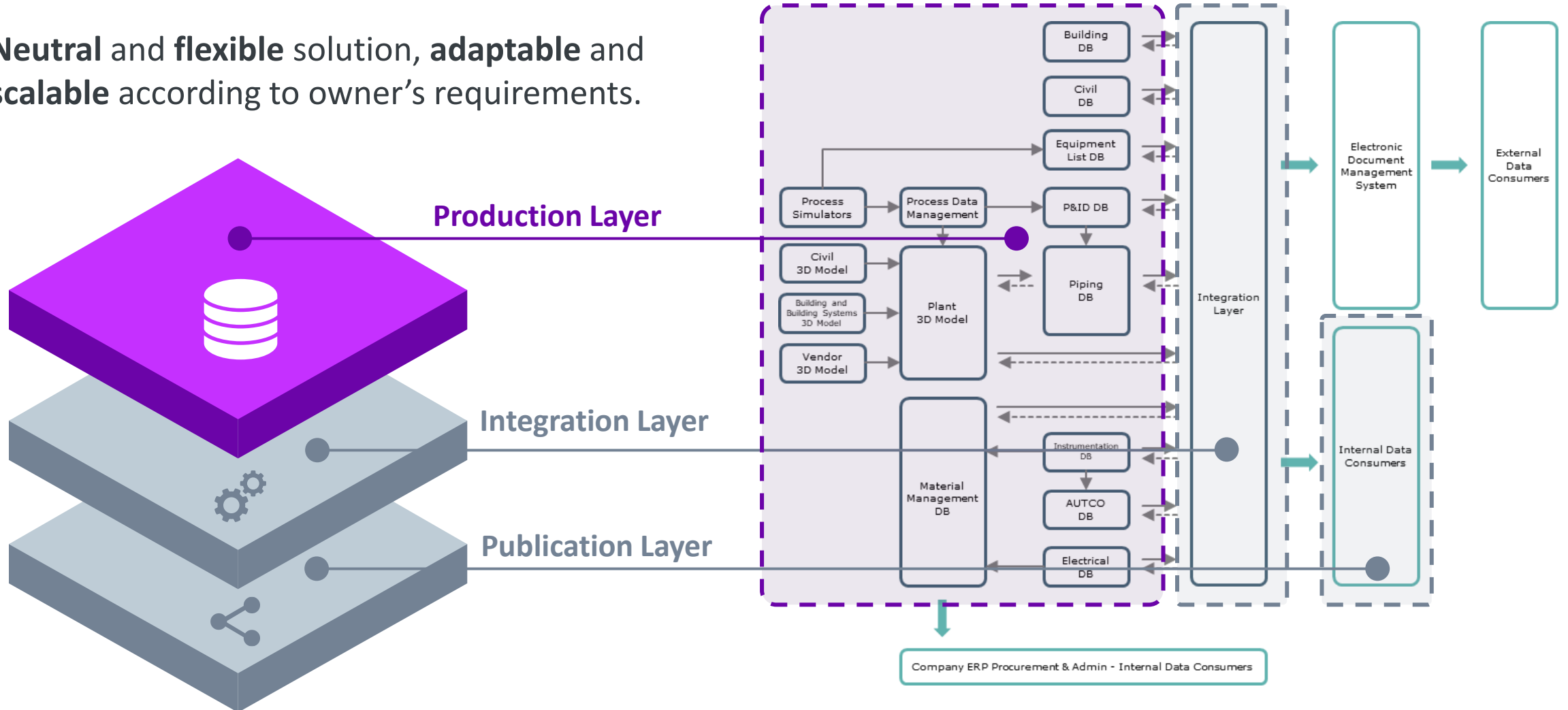
In the perspective of a **lean approach**, these procedures are manly focused on:

- Item **Tag** quality in terms of correctness and consistency;
- A **minimum** required **set of data** extracted from the CFIHOS standard.



# MAIRE adoption deep dive: Tools

**Neutral** and **flexible** solution, **adaptable** and **scalable** according to owner's requirements.

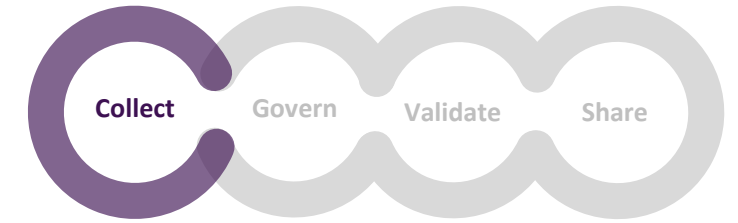


# MAIRE adoption deep dive: Tools

## Data Collection

## AVEVA Authoring Tools

## AVEVA™ Engineering for Equipment Data (company standard)




- Data Centralization;
- Data Ownership;
- Data Standardization;
- Data Quality at source.



TAG					Shell side or Vessel data								Geometric data		
TAG number	TAG breakdown			TAG name	General				Design				General		
BOREALIS	Type	Nr	Index	Equipment name	Fluid	Vol	MDMT	MOC	Pmin	Pmax	Tmin	Tmax	Orientation	Dia	Length
03 Bor nr	04 Eq type	05 Eq nr	06 Eq seq	07 Eq name									84 Orient	65 Diam [mm]	66 Len [mm]
E980504A	E	980504	A	FLARE GAS SUPERHEATER	METHANOL	1.08	-101	SS304L	-1.00	8.00	-101.00	135.00	horizontal	1219.2	1600
E920501	E	920501		WASH WATER COOLER	WATER	0.75	-15	KCS	-1.00	37.50	-15.00	120.00	horizontal	500	5486
E920502	E	920502		METHANOL COLUMN FEED-BOTTOMS EXCH...	HYDROCARBON AND WATER	0.82	-15	KCS	-1.00	37.50	-15.00	120.00	horizontal	482.6	4877
E920703	E	920703		METHANOL COLUMN REBOILER	WATER	0.82	-15	KCS	-1.00	8.00	-15.00	160.00	horizontal	812.8	2438
E920805	E	920805		METHANOL PRODUCT COOLER	HYDROCARBON	0.01	-15	KCS	-1.00	10.00	-15.00	120.00	horizontal	82.8	4877
E920904	E	920904		METHANOL COLUMN CONDENSER	HYDROCARBON	0.16	-15	KCS	-1.00	7.00	-15.00	120.00	horizontal	333.35	3048
E921907	E	921907		FEED DRIER REGENERANT VAPORIZER	HYDROCARBON		-43	LTCS	-1.00	29.50	-43.00	120.00	vertical		
E922209A	E	922209	A	SHP FEED EXCHANGER	HYDROCARBON	1.86	-42	LTCS		37.50	-42.00	120.00	horizontal	863.6	6096
E922209B	E	922209	B	SHP FEED EXCHANGER	HYDROCARBON	1.86	-42	LTCS		37.50	-42.00	120.00	horizontal	863.6	6096
E922410	E	922410		SHP EFFLUENT EXCHANGER	HYDROCARBON	3.19	-44	LTCS		34.00	-44.00	120.00	horizontal	1016	6096
E922511A	E	922511	A	DEPROPANIZER FEED PREHEATER	HYDROCARBON AND HYDROGEN	2.46	-42	LTCS		21.00	-42.00	120.00	horizontal	1000	5486
E922511B	E	922511	B	DEPROPANIZER FEED PREHEATER	HYDROCARBON AND HYDROGEN	2.46	-42	LTCS		21.00	-42.00	120.00	horizontal	1000	5486
E922614	E	922614		DEPROPANIZER STEAM REBOILER	LP STEAM	3.56	-15	LTCS	-1.00	22.50	-41.00	215.00	vertical	1300	4877
E922712	E	922712		DEPROPANIZER HEAT RECOVERY REBOILER	Hydrocarbon	11.57	-41	LTCS	-1.00	40.00	-41.00	120.00	horizontal	1575	12000
E922813A	E	922813	A	PROPYLENE TRIM COOLER	HYDROCARBON	2.32	-46	LTCS		40.00	-46.00	120.00	horizontal	914.4	6096
E922813B	E	922813	B	PROPYLENE TRIM COOLER	HYDROCARBON	2.32	-46	LTCS		40.00	-46.00	120.00	horizontal	914.4	6096
E923015A	E	923015	A	DEPROPANIZER CONDENSERS	Hydrocarbon	8.70	-43	LTCS	-1.00	23.00	-43.00	120.00	horizontal		6100

 Data owned by PROEN & PROC

 Data owned by PROC

 Owner MECC

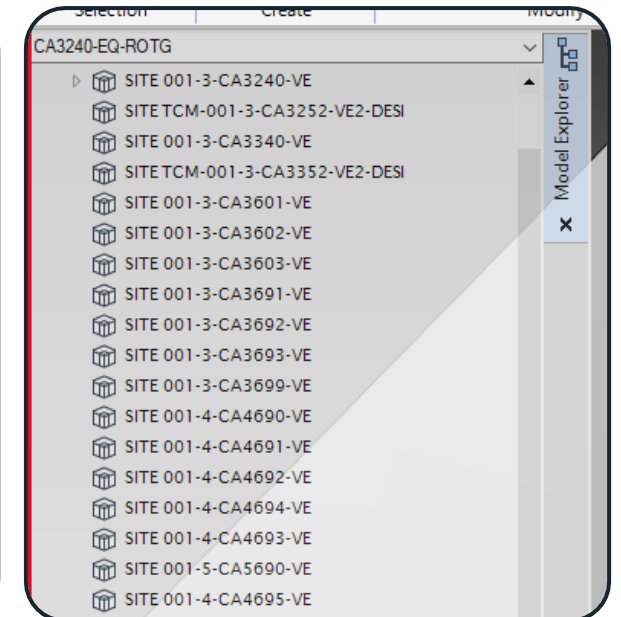
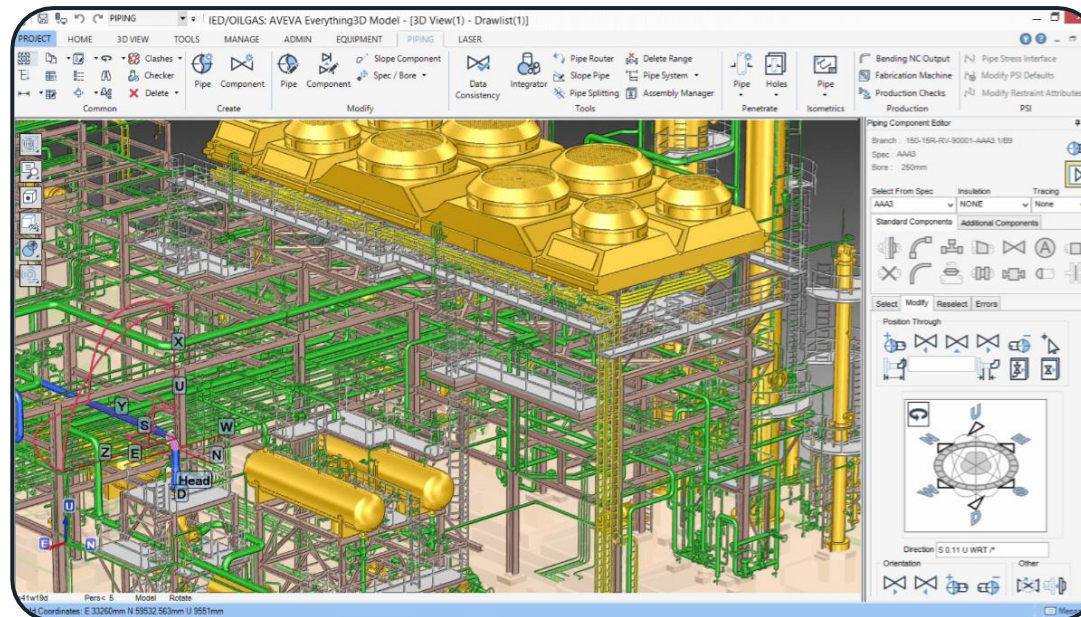
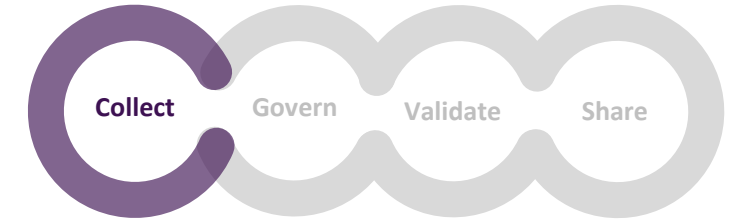
# MAIRE adoption deep dive: Tools

## Data Collection

## AVEVA Authoring Tools

### Other examples:

- AVEVA™ E3D Design (based on project requirements);
- AVEVA™ Electrical (company standard).

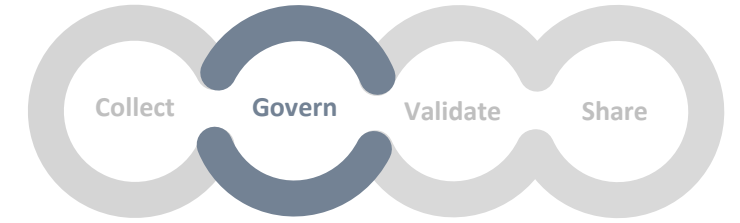




# MAIRE adoption deep dive: Tools

## Data Governance

AVEVA™ Information Standards Manager for Data Standardization (company standard)



The screenshot shows the AVEVA Information Standards Manager interface. On the left, a 'Browse' pane lists various functional classes, with 'ELECTRIC MOTOR' selected. The main area displays the details for 'Functional Class: ELECTRIC MOTOR', including fields for 'Id' (1011), 'Name' (ELECTRIC MOTOR), and 'Description' (Common attributes for all Functional objects). A table of attributes is shown on the right, with a purple box highlighting the table header and a purple arrow pointing from the 'ELECTRIC MOTOR' class name to the table.

Class_Id	Class Name	Attribute Name
FC-30001093	EXTRUDER	driver type
FC-30001093	EXTRUDER	type of working body
FC-30000339	FAN	molecular weight at normal operating conditions
FC-30000339	FAN	normal operating inlet pressure
FC-30000339	FAN	normal operating inlet temperature
FC-30000339	FAN	normal operating inlet volume flow rate
FC-30000339	FAN	normal operating mass flow rate
FC-30000339	FAN	normal operating outlet pressure
FC-30000339	FAN	normal operating outlet temperature
FC-30000339	FAN	normal operating outlet volume flow rate
FC-30000339	FAN	normal operating power consumption
FC-30000339	FAN	normal operating volume flow rate
FC-30000339	FAN	driver equipment
FC-30000339	FAN	driver type
FC-30000896	PUMP	lower limit operating inlet pressure
FC-30000896	PUMP	lower limit operating outlet pressure
FC-30000896	PUMP	lower limit operating volume flow rate
FC-30000896	PUMP	net positive suction head available at normal operating
FC-30000896	PUMP	normal operating dynamic viscosity
FC-30000896	PUMP	normal operating inlet pressure
FC-30000896	PUMP	normal operating inlet temperature
FC-30000896	PUMP	normal operating liquid density
FC-30000896	PUMP	normal operating mass flow rate
FC-30000896	PUMP	normal operating outlet pressure

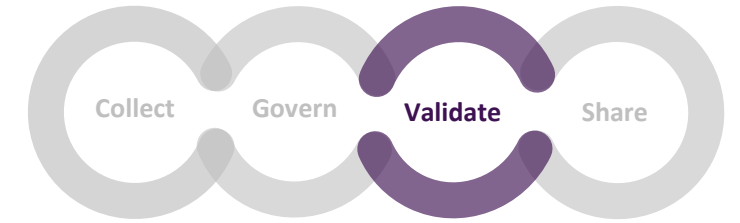
# MAIRE adoption deep dive: Tools

## Data Quality

AVEVA™ Engineering

AVEVA™ E3D Design

- Custom Rule for Object Tag validation;
- Check on Property Data Type;
- Custom PickList according to the data model.



Engineering Reference Browser

List | Explorer

Drag a column header here to group by that column.

Display Name	Name	Description
AA	AA	AA-Auxiliary Equi
AB	AB	AB-Auxiliary Equi
AD	AD	AD-Auxiliary Equi
AE	AE	AE-Auxiliary Equi
AF	AF	AF-Auxiliary Equi
AG	AG	AG-Auxiliary Equi
AM	AM	AM-Auxiliary Equi
AN	AN	AN-Auxiliary Equi
AS	AS	AS-Auxiliary Equi
DB	DB	DB-Misc. Mech. E
DC	DC	DC-Misc. Mech. E
DD	DD	DD-Misc. Mech. E
DE	DE	DE-Misc. Mech. E
DF	DF	DF-Misc. Mech. E
DG	DG	DG-Misc. Mech.
DH	DH	DH-Misc. Mech. E

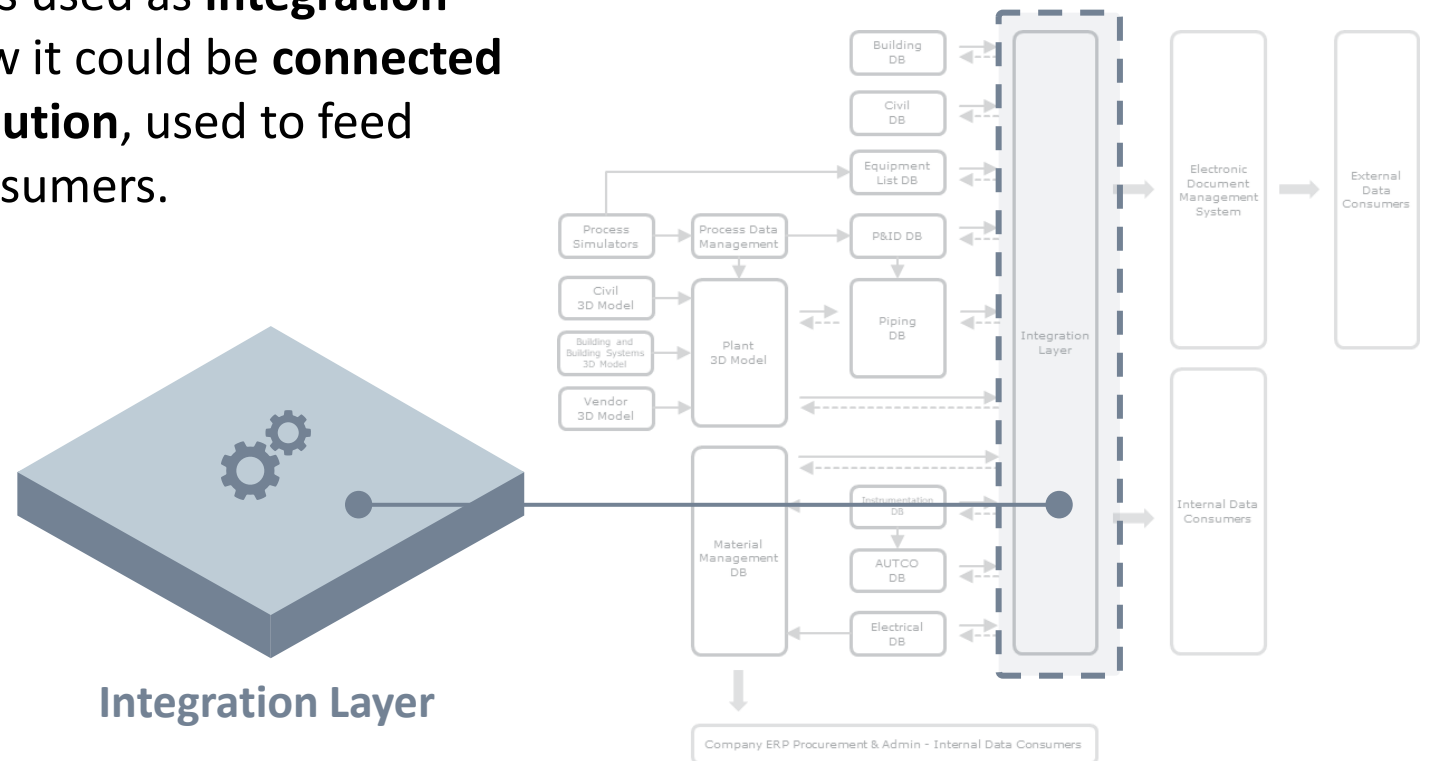
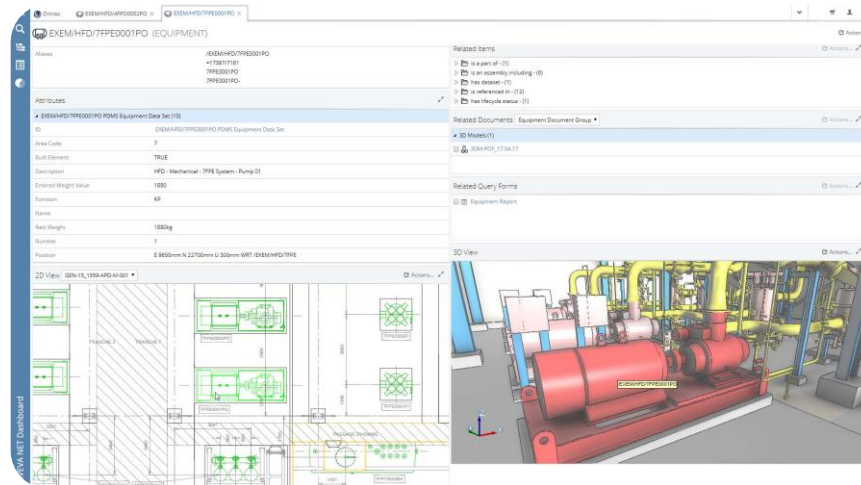
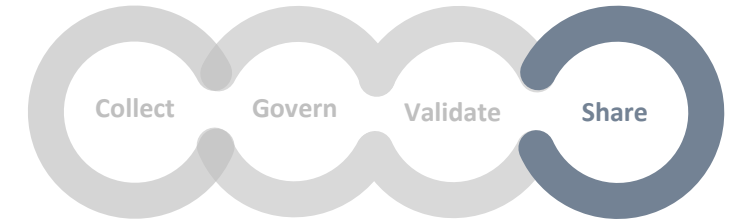
Clear OK Cancel

# MAIRE adoption deep dive: Tools

## Data Sharing

### AVEVA™ Asset Information Management

AVEVA™ Asset Information Management is used as **integration layer** in case is required by Owner. Anyhow it could be **connected** to Tecnimont's **proprietary integration solution**, used to feed internal and, eventually, external data consumers.

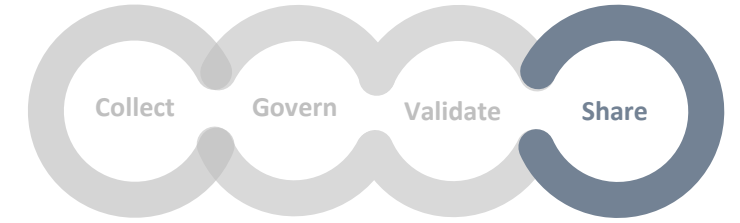


Integration Layer

# MAIRE adoption deep dive: Tools

## Data Sharing

### AVEVA™ Engineering



- Custom View for Data Sharing;
- Custom Plugin In for Automatic Data Export.

Project Home Manage View AVEVA NET Drawings TCM Ximp-gen

Eq List XLSX extraction  
MM! (MACOS) XLSX extraction

EqList

Grids Explorer

- Grids
  - 01 Equipment List
    - a - Item Index
    - b - Equipment List
  - 02 Work Requisition
  - 03 Electrical Lists
  - 04 PBS
  - 05 MileMate!
    - Interface
    - Material Group Decode Table

Entity Code	Entity Description	Mercheological Group (Type Of God)	Fa
125-DH-301	HOIST DEBUTANIZER REBOILER		
125-DH-302	125-HE-316		
125-DH-303	HOIST DEOCTANIZER REBOILER		
125-HA-305	DEETHANIZER FEED AIR COOLER	EAB010	M5
125-HA-317	DEOCTANIZER OVERHEAD AIR CONDENSER	EAB010	M5
125-HA-403	REGENERANT AIR COOLER	EAB010	M5
125-HD-405	HIGH PRESSURE STEAM DESUPERHEATER	ECA030	M4
125-HD-406	LOW PRESSURE STEAM DESUPERHEATER	ECA030	M4
125-HD-407	MEDIUM PRESSURE STEAM DESUPERHEATER	ECA030	M4
125-HE-001	LP STEAM CONDENSER	EAA020	M4
125-HE-003	HP-FLARE KOD LIQUID COOLER		
125-HE-101	WASHING OIL HEATER	EAE020	M4
125-HE-102	CATALYST CONDITIONING WATER HEATER	EAA020	M4
125-HE-201A	PUMPBOUND COOLERS	EAA020	M4
125-HE-201B	PUMPBOUND COOLERS	EAA020	M4
125-HE-201C	PUMPBOUND COOLERS	EAA020	M4
125-HE-201D	PUMPBOUND COOLERS	EAA020	M4
125-HE-202A	COOLING CYCLOHEXANE CONDENSERS	EAA020	M4
125-HE-202B	COOLING CYCLOHEXANE CONDENSERS	EAA020	M4
125-HE-301	HP FEED EFFLUENT EXCHANGER	EAA020	M4
125-HE-302	HP VAPORIZER	EAA020	M4
125-HE-303A	MP VAPORIZER	EAA020	M4
125-HE-303B	MP VAPORIZER	EAA020	M4
125-HE-303C	MP VAPORIZER	EAA020	M4
125-HE-304	THIN FILM EVAPORATOR	PQA030	M4
125-HE-304-NA-101A	STRAINERS	PQA030	M4
125-HE-304-NA-101B	STRAINERS	PQA030	M4

# Benefits

- **Improved Data Quality:** significant increase in data accuracy, reducing errors and discrepancies by 15%.
- **Cost Savings:** By optimizing data management processes, the project achieves a manhours cost savings of 10%;
- **More efficient final handover:** By adopting an information management approach from the beginning and during daily work, project achieves a manhours cost savings of 20%;
- **Project Monitoring and Control:** decrease in project deviations, better risk management, and timely mitigation of issues;
- **Improved Decision-Making;**
- **Scalability and Reusability:** reduction in setup and configuration time for subsequent projects;
- **Customer Satisfaction.**



# Tecnimont achieves a manhours cost savings of 10% optimizing data management processes

## Challenge

- Streamlining Data Integration;
- Ensuring Data Standardization, Data Accuracy and Consistency;
- Enhancing Project Efficiency and Productivity;
- Facilitating Long-Term Information Lifecycle Management.

## Solution

- Deployed Information Management lean processes supported by AVEVA Product.

## Results

- **Improved Data Quality:** The implementation of information management lean process and CFIHOS standard results in a significant increase in data accuracy, **reducing errors and discrepancies by 15%**;
- **Cost Savings:** By optimizing data management processes, the project achieves a manhours **cost savings of 5%** through reduced manual data entry, improved data quality, and more efficient final handover.



“Information is only as reliable as the people who are receiving it.”

JULIA KOLLER, A LEARNING SOLUTIONS LEAD DEVELOPER

# 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!



This presentation may include predictions, estimates, intentions, beliefs and other statements that are or may be construed as being forward-looking. While these forward-looking statements represent our current judgment on what the future holds, they are subject to risks and uncertainties that could result in actual outcomes differing materially from those projected in these statements. No statement contained herein constitutes a commitment by AVEVA to perform any particular action or to deliver any particular product or product features. Readers are cautioned not to place undue reliance on these forward-looking statements, which reflect our opinions only as of the date of this presentation.

The Company shall not be obliged to disclose any revision to these forward-looking statements to reflect events or circumstances occurring after the date on which they are made or to reflect the occurrence of future events.

 [linkedin.com/company/aveva](https://www.linkedin.com/company/aveva)

 [@avevagroup](https://twitter.com/avevagroup)

#### ABOUT AVEVA

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.

Learn more at [www.aveva.com](https://www.aveva.com)