### **Industrial Data Ontology**

# IDO Based Industry Standards

ISO 184 SC4 WG26 meeting Stavanger
October 2024















## Industrial challenge

#### **PDF DOCUMENTS**

Design codes
Industry standards
Design standards
Specifications



Manual Interpretation



**TR2000** 

pretation





Manual design validation



**VDS**Valve data sheet

PDS
Piping detail
standard

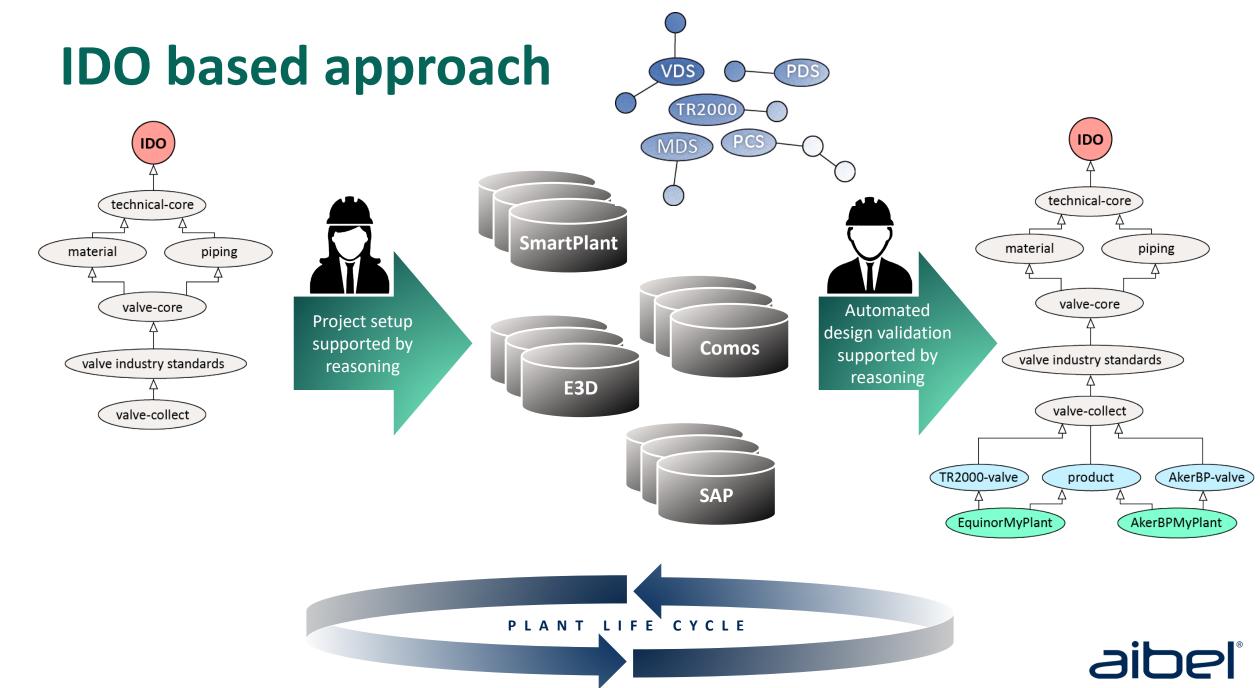
PCS
Piping class sheet

MDS Material data sheet











Semantic enrichment of content for selective access

Receive content of multiple standards for a given purpose.

EQ

**Evolution** 

of standards

(**(** 

1 (A)

LXML

#### **XML**

#### Machine readable document

Structured content of standard documents. Content can be processed by software.

#### **PDF**

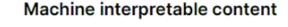
#### Open digital format

Read and search on screen.

#### **Paper**

#### Standards available in paper

No machine interactions available.



Self-learning analysis and validation cycles

Information modeling that expresses content and relation between elements.

#### Individually

#### Standards as a service

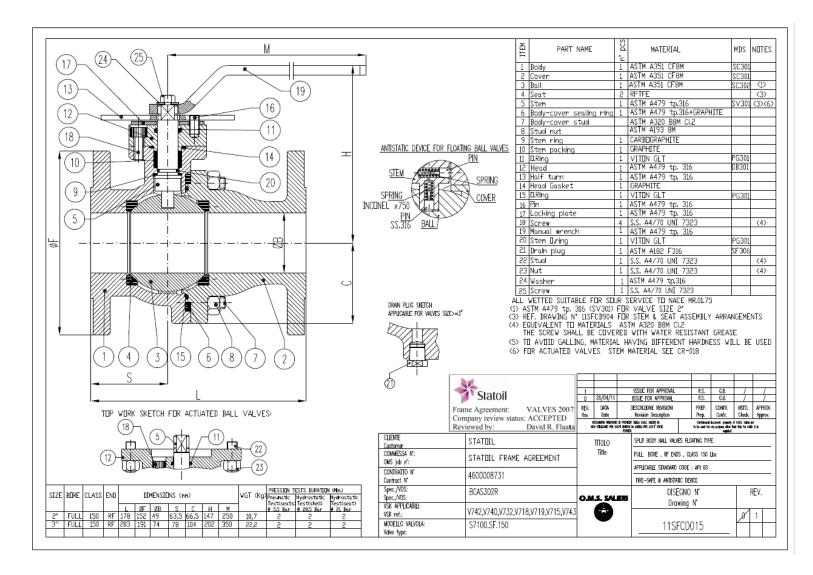
Provides dynamic deliverables that can adapt to user needs.

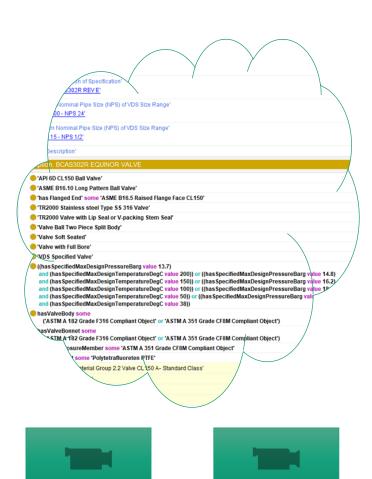
**Future extensions** 

Ontologies and semantic reasoning

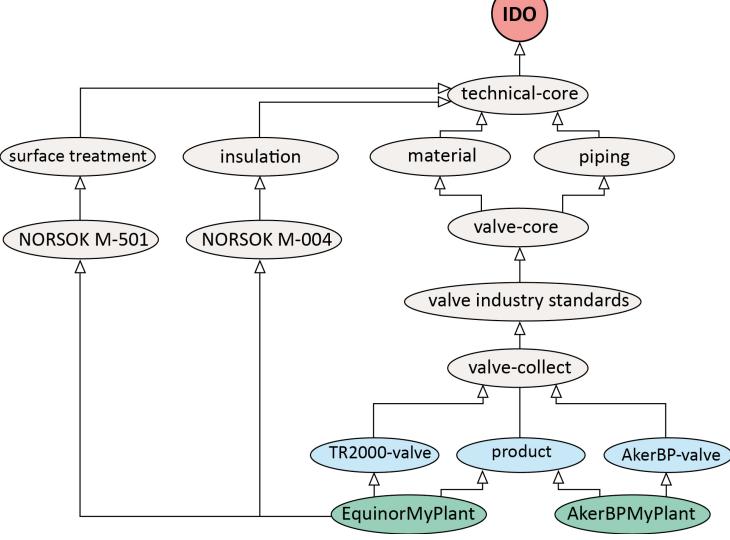


## Product compliant with specification – live demo





# NORSOK – Standard Norge





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