

## Investment project use-case targets in Arrowhead fPVN (2024 – 2026)

#### **THTH Spring webinar 2024**

Johnny Sundström, Stora Enso and Arto Marttinen, THTH

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## Investment project use-case

- Target is to find a concept for digitizing technical information exchange in process industry investment projects and service operations
  - Engineering and design (including FEED) phase
  - Quotation phase
  - Order phase
  - Delivery phase
  - Invoicing phase

Procurement requisition

Post-award business processes (PEPPOL)

Pre-award business

processes (PEPPOL)

- Business process automation (combining commercial and technical data into same workflows
- **Investment project** use-case in digital value chains
  - Is part of both pre- and post-award business processes
  - Supplier service use-case in digital value chains
    - Is part of post-award business processes

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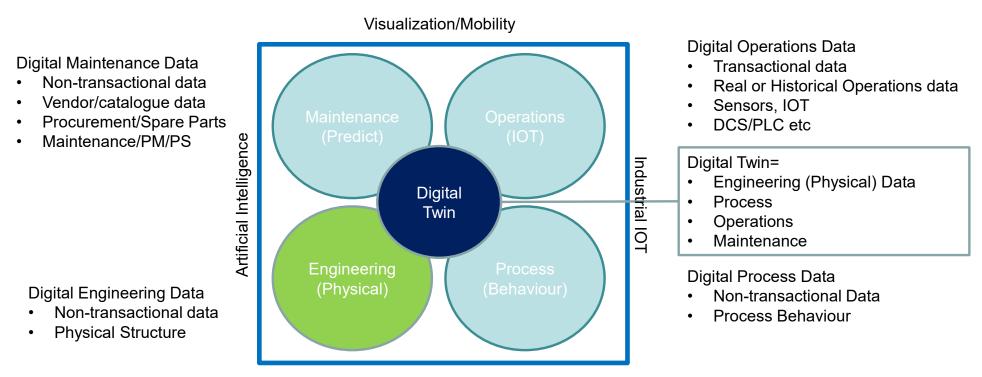


# New way of working

- New digital workflows simplify and speed up business processes and lower operative costs
  - In business networks between collaborating companies (rules and principles)
  - Shared standards and technologies lowers IT costs
- Each company decides on its own internal new way of working
  - Internal IT/business architecture, business processes and systems integrations
- Companies jointly agree the new ecosystem way of collaborative working
  - Business infrastructure principles for all ecosystem companies commonly agreed general principles and rules; commonly accepted use-case specific workflows; commonly approved standardization infrastructure
  - Standardization infrastructure specifications jointly defined specifications for the ecosystem how to utilize, maintain and develop ecosystem required standards together with international and national standardization bodies
  - Note 1: we can agree only on issues related to use-cases
  - Note 2: all companies should be involved in creating this agreement. In TIE division now 13 companies participating in CoPVN
  - Note 3: these agreements between companies should evolve according to ecosystem demands (governance model to be agreed too)

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### T出T出 AfPVN WP9 use-cases cover many areas



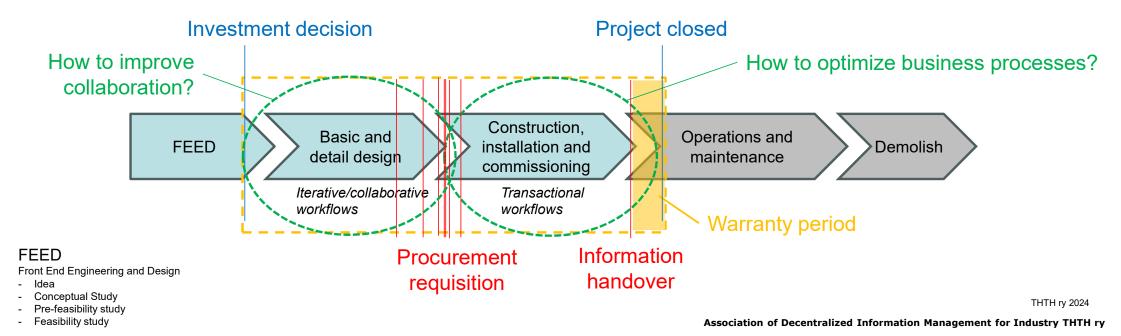
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Cloud/On-Premise

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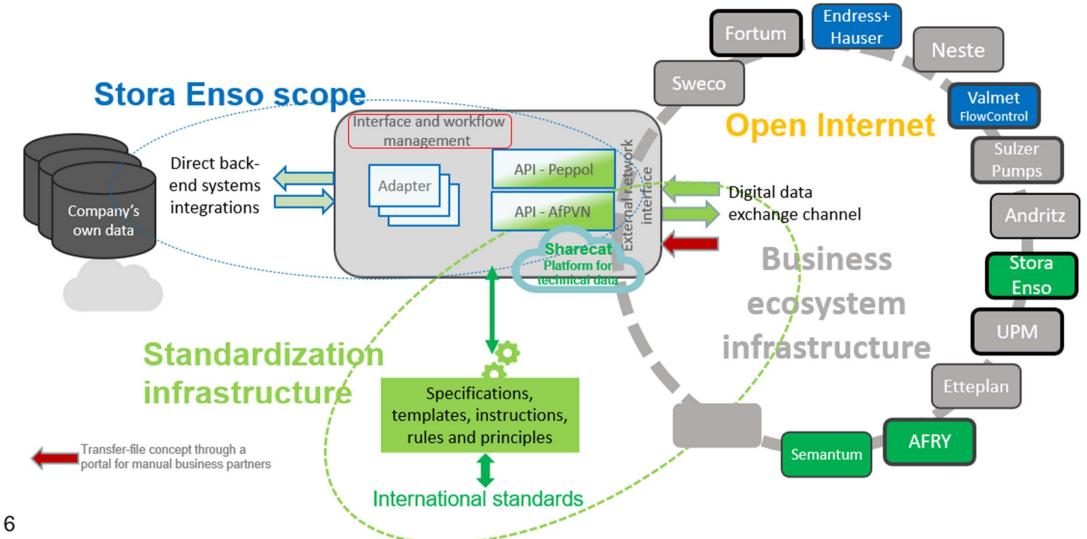
### T出T出 Investment project as a part of plant lifecycle

- Investment project covers a part of mill lifecycle phases and is split to several different kind of technical disciplines (brownfield project is a subset of greenfield project)
- Merging commercial and technical data exchange workflows (transactions) means fewer workflows to deploy and less implementation and operational costs
- The pilot use-case scope is limited general rules to be extrapolated from use-cases

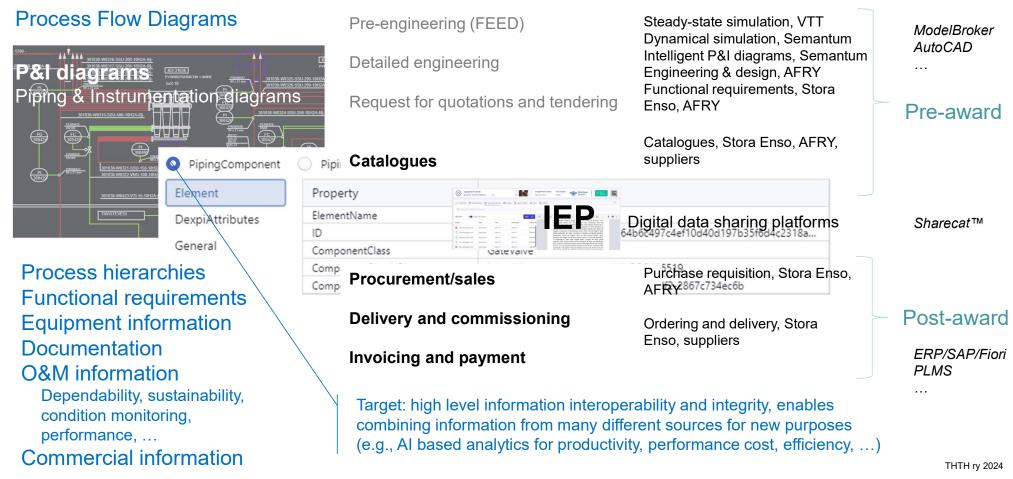




## **Development vision**

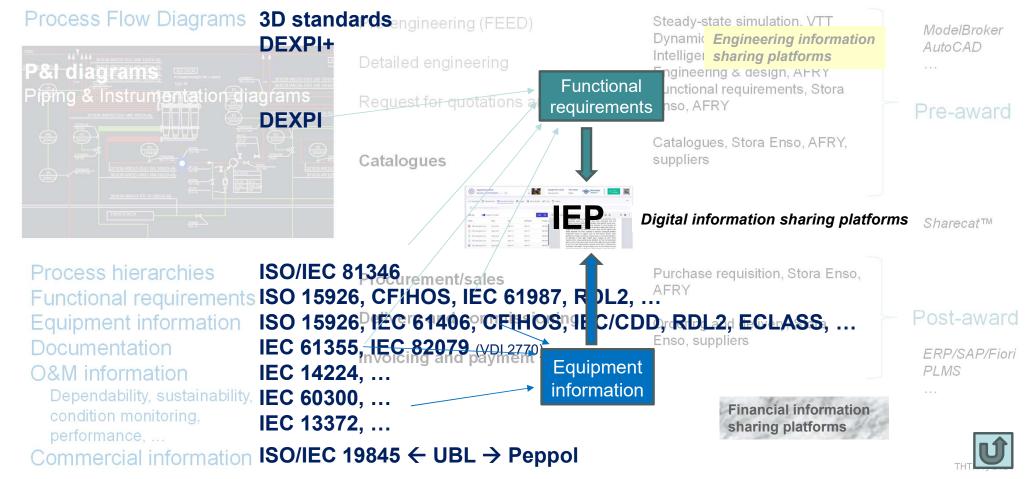


### T的T的 Arrowhead fPVN use-cases in WP9.3





# Arrowhead fPVN standards in WP9.3



Association of Decentralized Information Management for Industry THTH ry



# Standardization and regulation

#### Peppol is an open network

- Through which different parties can transmit electronic business documents to each other in a standardised, sector-independent manner.
- OpenPeppol AISBL is an international non-profit association
- Peppol parties: National Peppol authorities, Peppol service providers, End users
- The State Treasury is the Finnish Peppol authority

#### **EU Digitalization Acts and Directives**

- DSA Digital Services Act Digipalvelusäännös
- DMA Digital Market Act
- DGA Data Governance Act Datahallintosäädös
- AIA Artificial Intelligence Act
- DA Data Act Datasäädös
- NIS2 New <u>NIS Directive</u> for European Cyber-security
- ESPR Ecodesign for Sustainable Products Regulation (this includes Digital Product Passport)
- **eFTI** electronic Freight Transport Information Regulation in <u>European Digital Transport and Logistics Forum (DTLF)</u>

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## Thank you! END