



THTH Spring webinar 2024

29.5.2024 via Teams

Some instructions

- The webinar will be partly recorded
- The presentation materials and the recording will be shared after the webinar
- Please, preferably use the Teams chat button to ask questions
- Please, keep your microphone muted and unmute it only when you want ask or answer a question
- [Spring Webinar 29.5.2024 | THTH \(ththry.org\)](https://www.ththry.org)

Agenda

- 13:00 Opening words, Teppo Kainulainen – THTH Chairman of the Board
Agenda and a brief THTH status review – Arto Marttinen, THTH
- 13:15 Criticality classification – Data sources and requirements, Jussi-Pekka Penttinen, AFRY
- 13:45 Drawing to Data – Changing the symbology in P&IDs when converting drawings to intelligent diagrams – Gerardo Santillan and Marko Luukkainen, Semantum
- 14:15 Digital Data Chain Consortium and DPP – Christoph Attila Kun, BASF SE and Digital Data Chain Consortium (DDCC)
- 14:45 Break
- 14:55 DEXPI Process Specification – From the DEXPI+ project result to continuous maintenance – Gregor Tolksdorf, Evonik / DEXPI
- 15:25 CFIHOS review – Peter Townson, CFIHOS / IOGP
- 15:55 Investment project use-case targets in Arrowhead fPVN; Johnny Sundström, Stora Enso and Arto Marttinen, THTH
- 16:25 Closing comments

THTH briefly

- Non-profit industry association in Finland
- Currently over 30 member companies ([see members and partners](#))
- Process industry supply-chain collaboration forum to promote digitalisation and digital-twin
- [Simantics division](#)
 - develop and maintain open-source code applications for modeling and simulation and for environmental lifecycle assessment and footprint calculations via its
 - SIMANTICS, Eclipse Public License EPL
 - SULCA Sustainability tool for Ecodesign, Footprints & LCA
 - Simantics System Dynamics tools ([Sysdyn](#))
- [TIE division](#)
 - Promote and develop digitalization in projects and O&M based on existing standards
 - National and international standardization networks and collaboration (key partners SEIIA/Sweden, PCA/Norway, DEXPI/Germany, USPI/Netherlands, MIMOSA/USA, CFIHOS/IOGP and on national level PSK, METSTA, SESKO)
 - EU KDT/ChipsJU funded Arrowhead fPVN project started in June 2023



Arrowhead fPVN



ARROWHEAD
fPVN

- Improving productivity in **P**roduction **V**alue **N**etworks
- Pilots in process, aerospace and automotive industries
- Finland, Sweden and Norway focus on process industry
- EU ChipsJU, national organizations and companies funds the development
- Budget 35M€ and duration 6/2023 – 8/2026
- Coordinator Luleå University/Sweden
- Involves 40 organizations from 12 countries
- Common technology base Eclipse Arrowhead
 - [Eclipse Arrowhead – YouTube](#)
 - [Eclipse Arrowhead: Posts | LinkedIn](#)



Co-funded by the
European Union

Arrowhead fPVN development tasks in Finland

Common tasks

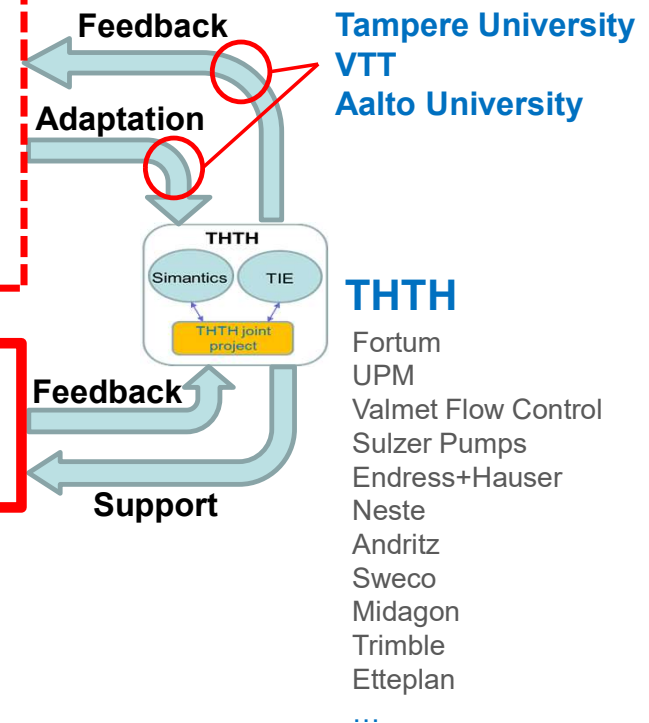
- Micro-services (integration, API) (WP2)
- Major digital languages (standards) (WP3)
- Translations (mapping between standards) (WP4)
- Exploitation and digital transformation management (WP10)
- Dissemination and standardization (WP11)

Process industry pilots

Stora Enso, Afry, Semantum from Finland

Automotive pilots (batteries)

Aerospace pilots



THTH vision

