

CHALLENGE AND SOLUTIONS

Interoperability of industrial equipment is important for accelerating and facilitating the transition to industry 4.0. across Europe. Common standards will make the transition faster and more accessible. Beyond enabling machines to communicate seamlessly, interoperability enables new levels of automation and increased productivity.

EIT Manufacturing's CanVAAS project accelerates the adoption of a new, promising standard aiming at ensuring interoperability of production assets, namely the Asset Administration Shell (AAS), as well as training to encourage the adoption.

TIMING AND MILESTONES

- May 2021, First release of the CanvAAS toolset
- June 2021, Second release
- July 2021 – Third release
- September – Fourth release, test and validation on demonstrators
- November - Fifth release, test and validation on demonstrators
- December – Open source publication of toolset, MOOC

“ The EIT Manufacturing funding helped to produce a new open-source toolset that is expected to increase the adoption of the AAS standard and subsequently foster flexible and inter-operable production systems for competitive manufacturing. ”

MAIN PROJECT RESULTS

- A model-based tool and methodology to plan, design, test and deploy the AAS components on the end-user's manufacturing equipment to enable interoperability.
- The CanvAAS toolset will make part of FESTO Didactic's learning systems for their didactic factories
- The toolset will be integrated to the Sherpa Engineering digital twin offer



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