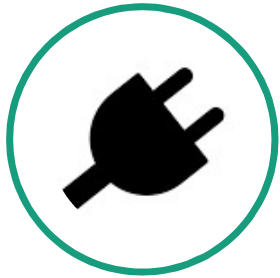


IDS-Industrial Verticalization Community



- Chair:
Dr.-Ing. Thomas Usländer (Fraunhofer IOSB)
- Co-Chair:
Andreas Teuscher (SICK AG)
- Contact in IDSA central administration:
Sebastian Steinbuss
- Fraunhofer Institutes involved:
IOSB

IDS-Industrial Verticalization Community – Overview

Website?

Status	Lead	Participating Institutes
<ul style="list-style-type: none">■ constituting	<ul style="list-style-type: none">■ SICK AG – Andreas Teuscher■ IOSB - Dr.-Ing. Thomas Usländer	<ul style="list-style-type: none">■ Fraunhofer IOSB

Motivation

- There is no verticalization that is dedicated to the application domain of industrial production and smart manufacturing.
- There is no working group that discusses the needs of the Plattform Industrie 4.0.
- There is no working group that discusses the needs of IIC w.r.t. smart manufacturing.

Use Cases

- *To be defined*
- The existing IIC testbed Smart Factory Web that is currently also a candidate joint testbed between IIC and the Plattform Industrie 4.0, may be considered as a testbed for the IDS-Industrial, too.
 - Idea: testbed at IOSB linked to the IDS basic service at the IDS lab (ISST in Dortmund).

Objectives

- To provide a virtual data space that supports the secure exchange and the simple linking of data in industrial business eco-systems on the basis of standards and by means of common governance models.
- To provide data sovereignty by enabling monitoring about the usage of data.
- To provide the linkage to the Plattform Industrie 4.0 and IIC (with respect to production and manufacturing).

IDS-Industrial Verticalization Community – Details

Website

Roadmap 2018 / 2019

- 2018
 - preparatory work for the verticalization
 - start of a discussion paper between IIC and WG3 of Platform Industrie 4.0
- 2019
 - 8 March: discussion paper translated into English, title is „ Conceptual interoperability of the IDS with Industrie 4.0”
 - 11 March: bilateral meeting between the co-chairs and IDSA
 - definition of a mission statement
 - communication of the mission statement
 - HMI 2019 Announcement of the creation of the IDS-Industrial community
 - July/August 2019: coordination meeting in Frankfurt between Platform Industrie 4.0 and the IDSA with the following objectives:
 - Refinement / alignment of mission statements
 - Definition of IDS-Industrial and Platform Industrie 4.0 testbed and use cases

IDS-Industrial Verticalization Community – Details (2)

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Workplan Topics 2019

- Implementation of Industrie 4.0 concepts and standards (e.g. DIN SPEC 27070) with IDS technology.
- Focus is on interoperability and alignment with the activities of Sub-WG Breakthrough Undertakings projects (“Durchstichprojekte”) led by Christoph Legat (Expleo)
- Community shall comment the upcoming versions of the PI4.0 Administration Shell in Details document from the point of view of the IDS.
- Ideas:
 - to include IDS in the Sounding Board of the Asset Administration Shell in Details document
 - to set up a project group between PI4.0 and IDSA,
 - e.g. for cooperation on the information model and in the area of security.
 - Note: On the IDSA side, budget and project management must be ensured !
- Refinement and joint agile edition of the document "Conceptual interoperability of the IDS with Industry 4.0"
- Internationalization of the IDS-Industrial community (not only German focus)
 - Discussion at IIC Meetings
- Internationalization of DIN SPEC 27070