



Early Adoption Projects

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Early Adoption projects

Target of Early Adoption projects

Implement the OI4 reference architecture, using the guidelines and tools published by OI4, into **real projects**, first at member companies in their own facilities and then at test customers

Use them as a marketing tool to show the **customer benefits**

Benefits for early adopters:

- become a pioneer for implementation of I4.0 concepts
- digitalize facilities using future proof & standard-based solutions
- learn from experience of contributing to multilateral collaboration projects
- get executive level visibility & commitment from participating members to make the project a success
- self promotion using the results as a showcase



Interoperability



ROI payback



Vertical Horizontal integration



Implementation standards

Early Adoption projects

Target of Early Adoption projects



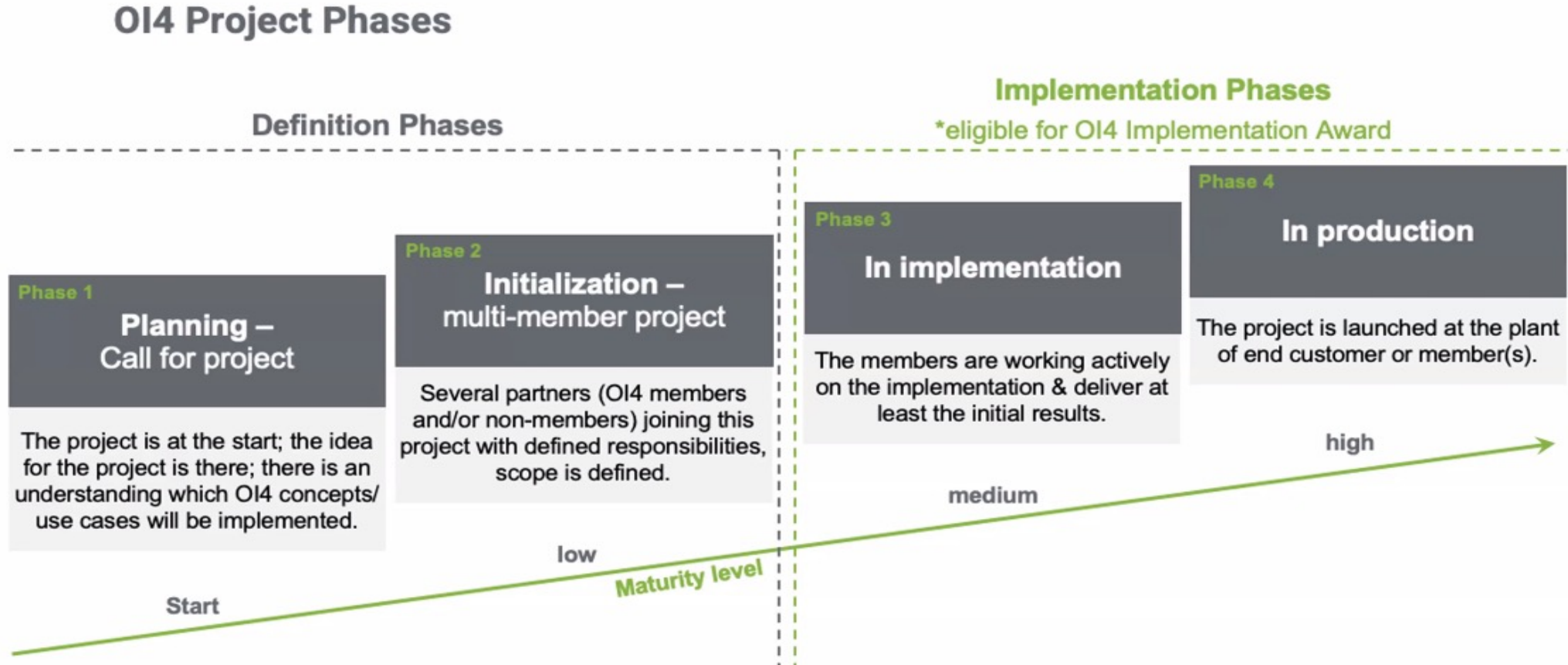
All members can contribute:

- asset / machine suppliers
- component suppliers (sensors, actuators)
- connectivity solution providers
- cybersecurity Specialists
- ERP providers
- OT / IT system integrators
- IIoT platform and application providers



Early Adoption projects

Early Adoption projects and Implementation Award

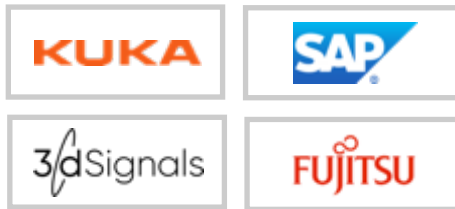


Early Adoption projects

Early Adoption: project examples



REFERENCE CASE "Kuka Heller cell"



Contacts:

bastian.jehl@kuka.com
thomas.bechtel@fujitsu.com

REFERENCE CASE "Multivac Schiwa"



Contacts:

simon.stark@multivac.de
ricardo.dunkel@diva-e.com

REFERENCE CASE "UReason"



Flow center
of Excellence
Dordrecht (NL)

Contacts:

joudmans@ureason.com

Early Adoption projects

Early Adoption: project examples

REFERENCE CASE "MPDV"

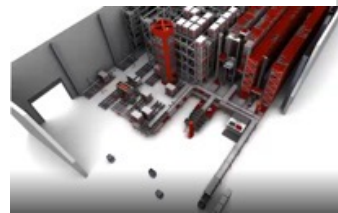
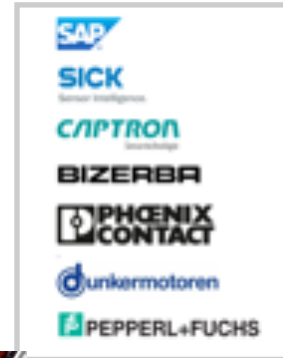


Digital twin showcase

Contacts:

b.berres@mpdv.com

REFERENCE CASE "Gebhardt"



Intralogistics digitalization

Contacts:

y.maier@gebhardt-group.com

Autonomous production of a Heller machine-tool and Kuka robot (tools change planning)



OI4
Architecture
„Heller Cell“



Contacts:

joudmans@ureason.com

Early Adoption projects

Early Adoption: demos



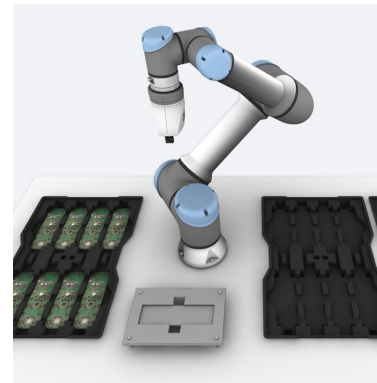
Demo multi-vendor condition monitoring using AAS



Contacts:

bastian.schmick@ifm.com

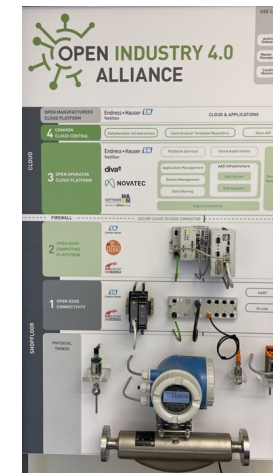
Demo multi-vendor condition Cobot integrated into the OI4 AAS



Contacts:

kheidrich@hilsher.com

Demo multi-vendor asset onboarding and condition monitoring using OI4 AAS



Contacts:

michael.riester@endress.com

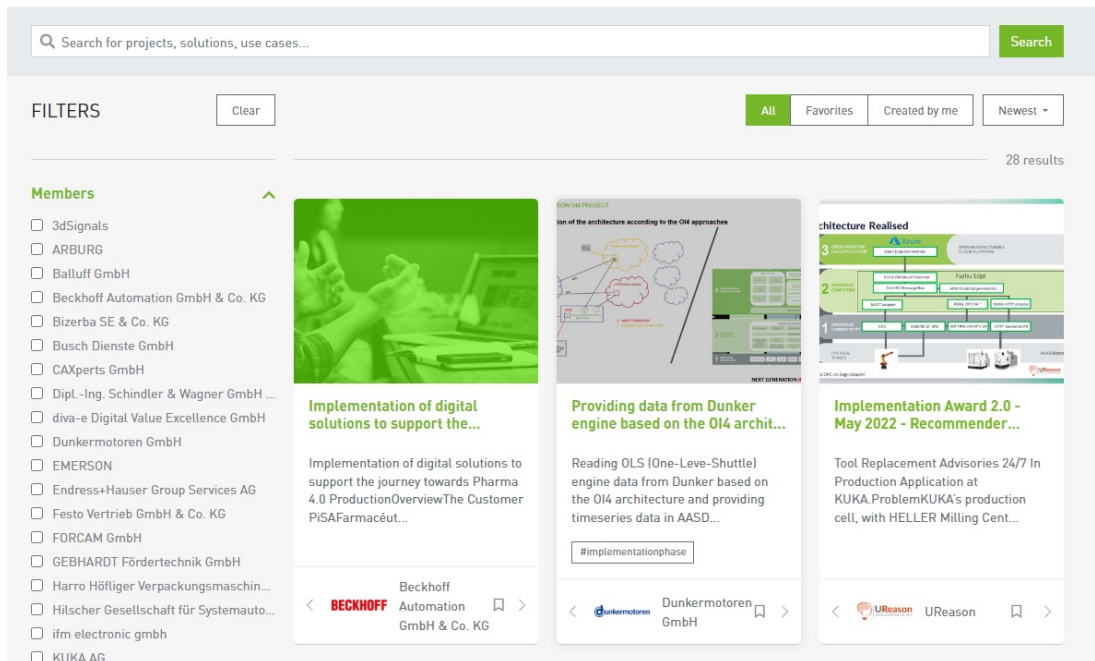
Diva-e,

Early Adoption projects

Early Adoption: other projects

Accelerate platform <https://accelerate.openindustry4.com/directory>

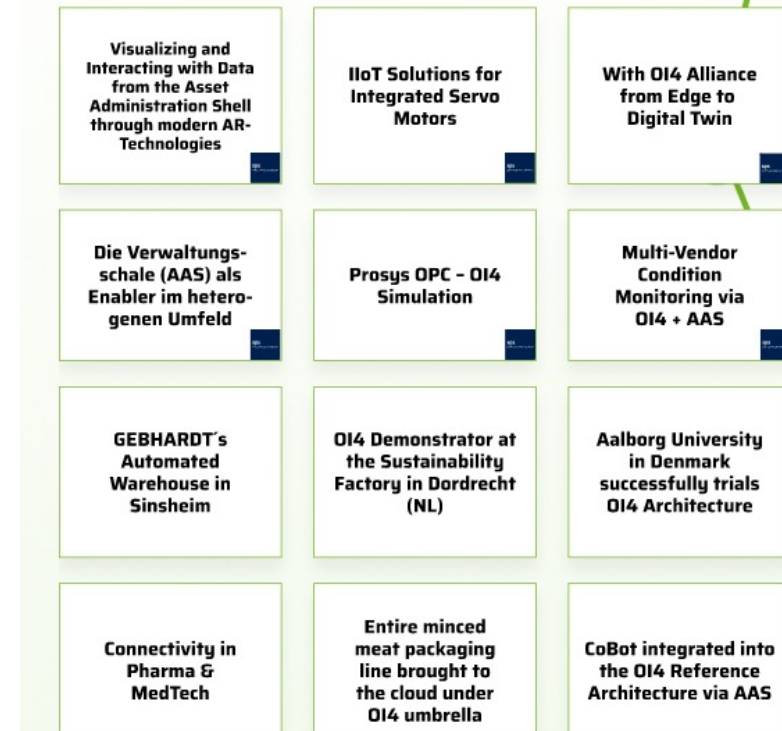
PROJECT DIRECTORY



The screenshot shows the 'PROJECT DIRECTORY' interface. At the top right, there is a '+ Create new project' button. Below it is a search bar with the placeholder text 'Search for projects, solutions, use cases...' and a 'Search' button. On the left, there is a 'FILTERS' section with a 'Clear' button and a list of members with checkboxes. The main content area displays 28 results, with three project cards visible. The first card is titled 'Implementation of digital solutions to support the...' by Beckhoff Automation GmbH & Co. KG. The second card is 'Providing data from Dunker engine based on the OI4 archit...' by Dunkermotoren GmbH. The third card is 'Implementation Award 2.0 - May 2022 - Recommender...' by UReason.

Interactive presentation from SPS 2022

PROJECTS



A grid of 12 project titles from the SPS 2022 interactive presentation. The titles are arranged in a 4x3 grid. The projects are: 1. Visualizing and Interacting with Data from the Asset Administration Shell through modern AR-Technologies; 2. IIoT Solutions for Integrated Servo Motors; 3. With OI4 Alliance from Edge to Digital Twin; 4. Die Verwaltungschale (AAS) als Enabler im heterogenen Umfeld; 5. Prosys OPC - OI4 Simulation; 6. Multi-Vendor Condition Monitoring via OI4 + AAS; 7. GEBHARDT's Automated Warehouse in Sinsheim; 8. OI4 Demonstrator at the Sustainability Factory in Dordrecht (NL); 9. Aalborg University in Denmark successfully trials OI4 Architecture; 10. Connectivity in Pharma & MedTech; 11. Entire minced meat packaging line brought to the cloud under OI4 umbrella; 12. CoBot integrated into the OI4 Reference Architecture via AAS.

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Early Adoption: let's see other OI4 demonstrators



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DAY 3

March 2nd

09:30

OI4 Early Adoption Projects with **Jan-Remi Fromentin** (ifm) & **OI4 Demonstrators by Members**

10:30

„Digital Valve KIT and DNP“

Thomas Weisschuh, AS-Schneider

11:00

“Integrating smart devices without programming”

Gerrit Meyer, Heisenware

11:30

„Create a 'catching' opener discussion to initiate the joint edge-workshops“

Anja Simon, LNI 4.0



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ALLIANCE

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