

Eclipse Industry

Eclipse Unide

- ▶ Eclipse Unide Release 0.1.0 released
- ▶ [Version 0.2.0](#) (BCX)
 - ▶ scheduled for E01/18
 - ▶ [BINSa client](#)
 - ▶ Complete REST Server refactoring
 - ▶ Schema split into bundle to Maven central
 - ▶ Set up built infrastructure / Jenkins
 - ▶ Add postgres/timescale persistency
 - ▶ Rework homepage
- ▶ Version 0.3.0 (Summer)
 - ▶ Apply for content-type
 - ▶ Finalize & implement PPMP version 3.0
 - ▶ ...



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Eclipse PPM Testbed

- ▶ Status Quo:
 - ▶ Established bsinno github repository -> sync with Eclipse
 - ▶ Hono to apache camel (to DB) possible
- ▶ [BCX / BCW](#)
 - ▶ Hackathon Machine -> Sensor -> Gateway
-> Fog -> Backend -> Cloud
 - ▶ Panel discussion
- ▶ Next steps:
 - ▶ Secure Unide VM / clean Grafana Dashboards
 - Authorization / Authentication via Keycloak
 - ▶ Set up stable infrastructure for all components
 - ▶ [prostep ivip Symposium 2018](#)
 - ▶ Integrate further components (4diac, apache kafka / cloudera, maybe ditto)





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PPMP / BCX

- ▶ Website: <http://bcw.bosch-si.com/berlin/manufacturing-4-0/>
- ▶ HackEnabler:
 - ▶ Active SICK, Balluff, Weisser, Microsoft, (TNG Consulting)
 - ▶ Bosch Rexroth, BCI, Packaging(?)
- ▶ Setup
 - ▶ Machines (Rampf, Weisser, Kicker,...)
 - ▶ Sensors (Sick, Balluff)
 - ▶ Gateways (Rexroth)
 - ▶ Fog (20 IPC / resinos.io)
 - ▶ Server & DB (Timescale / influx)
 - ▶ Cloud (Azure)



Eclipse Industry Arena2036



<https://www.arena2036.de>

Eclipse PPM Testbed

Summary of call 08.01.2018

- ▶ Blueprint for industry
 - ▶ Stable infrastructure, secure access
 - ▶ Create architecture diagram (together, highlevel first, detail out later)
 - ▶ Grant access for Contact to unide.python repository
 - ▶ Get SICK / Balluff more involved
- ▶ Business development
 - ▶ Spread the word about compatibility with other hardware / software
 - ▶ Trigger (Bosch) Marketing, Blogpost, showing collaboration
- ▶ Vision for 2018
 - ▶ Integrate further components (4diac, apache kafka / cloudera, Kura, Milo, ditto)
 - ▶ Greater adoption of PPMP
 - ▶ PPMP / OPC-UA mapping (datamodel specification / technical)