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
 - **>** ...





Eclipse Industry 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)







Eclipse Industry PPMP / BCX

► Website: http://bcw.bosch-si.com/berlin/manufacturing-4-0/

► HackEnabler:

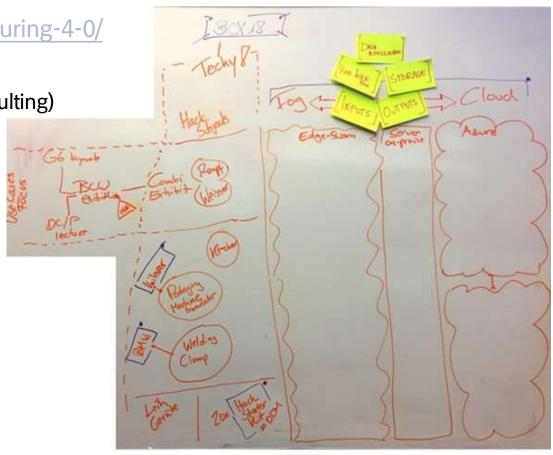
► Active SICK, Balluff, Weisser, Microsoft, (TNG Consulting)

► 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









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)

