OPC DAY
FINLAND 2022
29.11.2022

OPC UA for Creating Next Generation Cloud Edge and Cloud Data Solutions

Janne Laukkanen, Brightly Works
Jukka Pirinen, Brightly Works

FINNISH SOCIETY OF AUTOMATION
SUOMEN AUTOMAATIOSEURA RY

SPONSORS:

aws BECKHOFF brightly inray NAPCON NOKIA Novotek OPC FOUNDATION OPEN INDUSTRY 4.0 ALLIANCE PROSYS OPC Unified Automation Valmet Wapice

We are Brightly

Tech consultancy & expertise center focusing on development of future digital and data solutions.

Founded by some of the best experts in data-driven digital services and cloud data solutions development. We have created many of the famous & industry leading data-driven solutions for biggest companies in the nordics in consumer services, media, finance, energy, transport, pharmaceutical, housing, pulp, paper, chemical, metal works, and electronics industries.

We are building the most talented tech team to create the next generation data- and AI-driven digital solutions and cloud data solutions that make our customers leaders in their sectors.

Founded in 2020
Prior to founding of Brightly we have created many famous & sector leading cloud data and digital solutions.

Team of 60 & Growing
Building growing team of tech experts for development of next generation solutions.

Offices

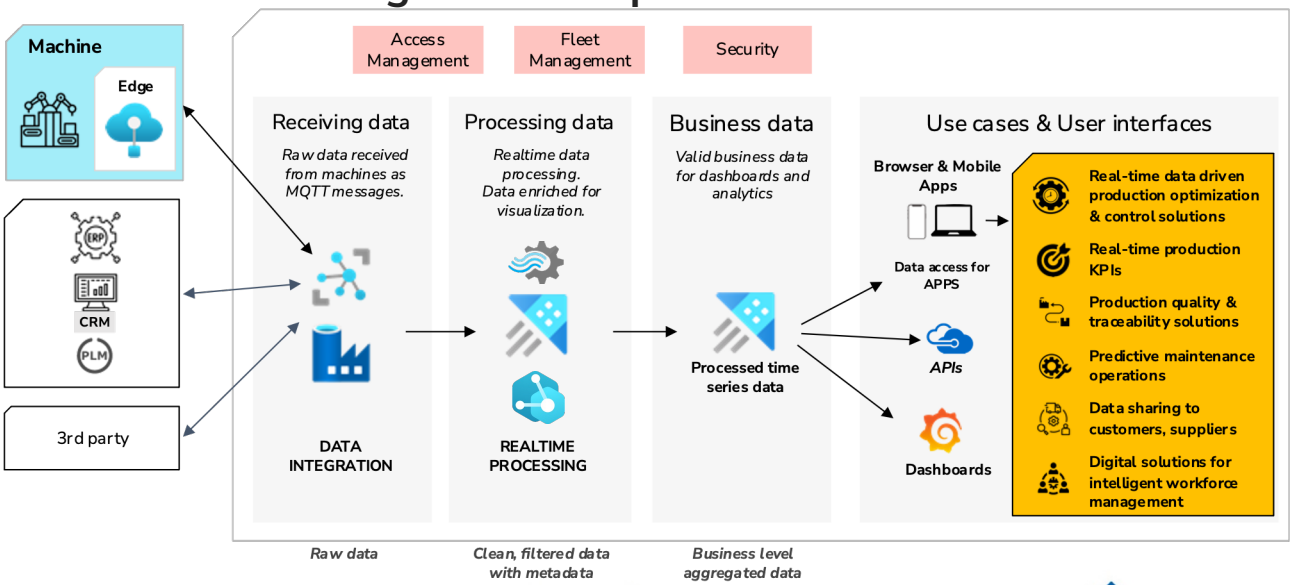
Helsinki
Tampere
Oulu

1300+ Experts in our Fusion-ecosystem
Expert companies in design & development of Digital solutions, software, security, devops, testing, maintenance.

OPC FOUNDATION MEMBER

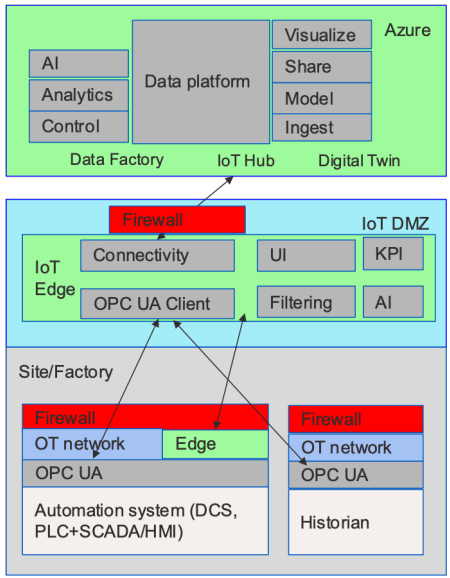
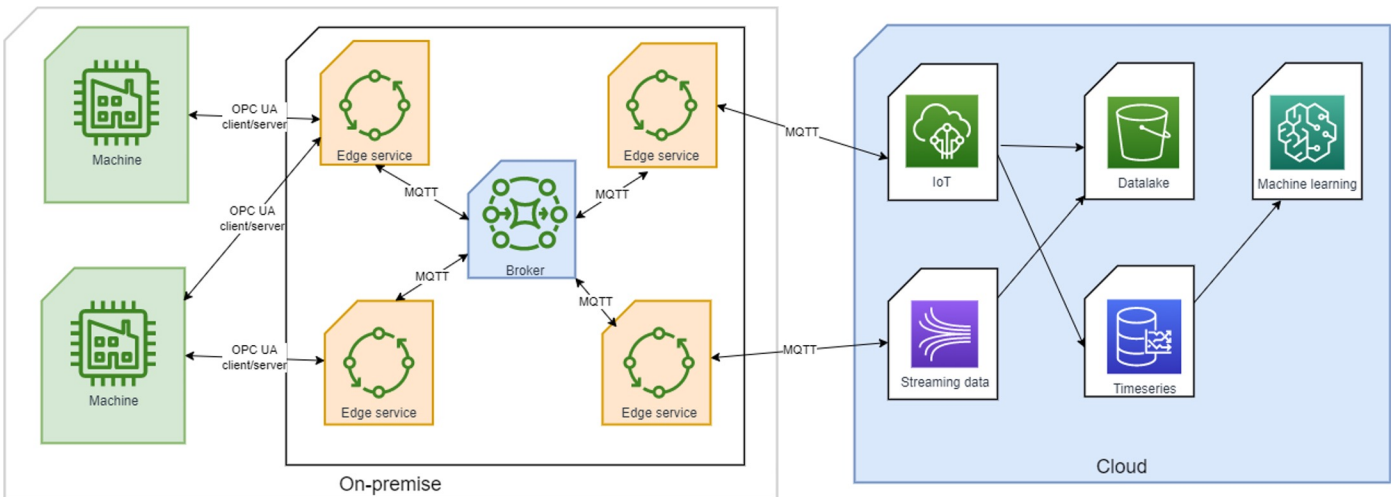
aws BECKHOFF brightly inray NAPCON NOKIA Novotek OPC FOUNDATION OPEN INDUSTRY 4.0 ALLIANCE PROSYS OPC Unified Automation Valmet Wapice FINNISH SOCIETY OF AUTOMATION SUOMEN AUTOMAATIOSEURA RY

E2E Solution Design & Development



OPC UA in Our Projects

- Connectivity automations systems
  - Embedded in PLC
  - SCADA OPC DA Server (very often still OPC Classic DA)
  - Separate OPC UA server
  - Historian OPC DA Server
  - Converting OPC Classic to UA using off-the- shelf products
  - Converting legacy protocols to OPC UA using off-the- shelf products
- Edge
  - Custom OPC UA modules
- OPC UA PubSub
  - Cloud connectivity
  - Edge communication
    - Utilizing the JSON Schema on MQTT devices
- Companion specifications
  - Some applications emerging



Edge-Cloud hybrid architecture