HAHNGROUP
advanced automation

EDGE COMPUTING

16 NOVEMBER 2021

TERMS & INSPIRATIONS

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Cloud

KI

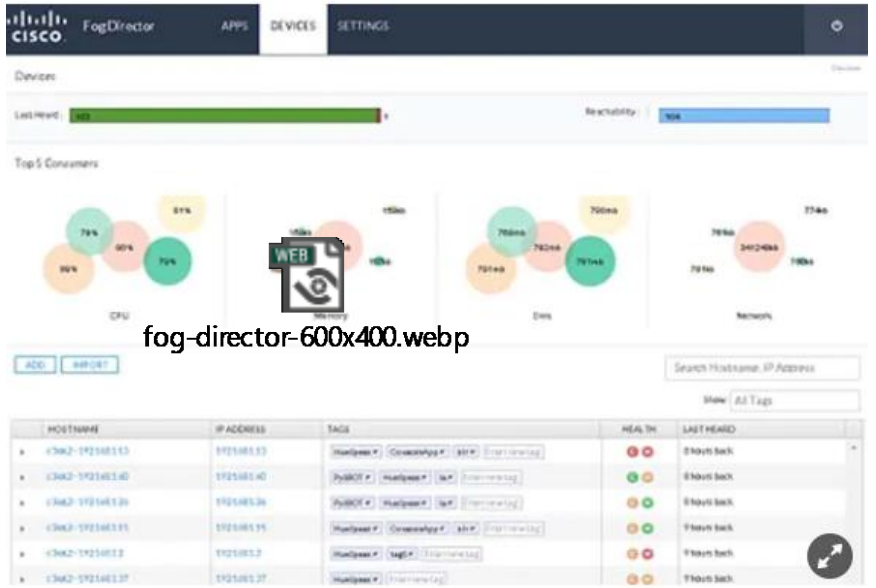
IoT

Fog Computing

Cloudlet

data driven

Künstliche Intelligenz



EDGE Computing

Industrie 4.0

AI

Goldstaub

OLD BUSINESS MEETS NEW BUSINESS

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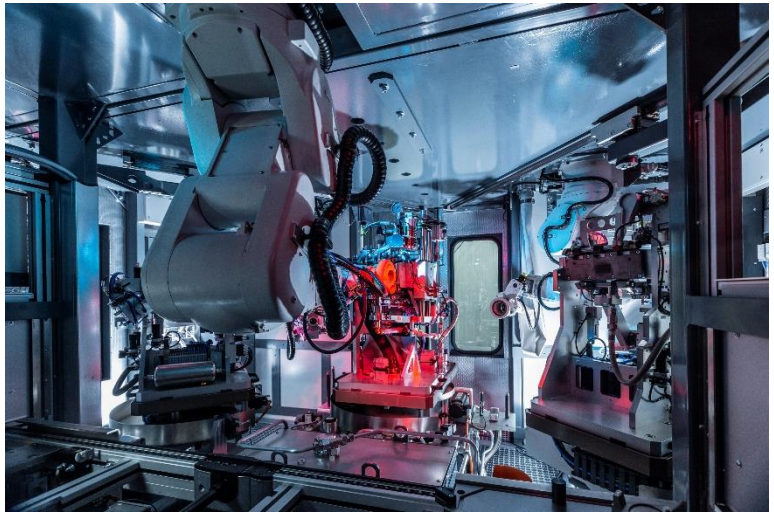
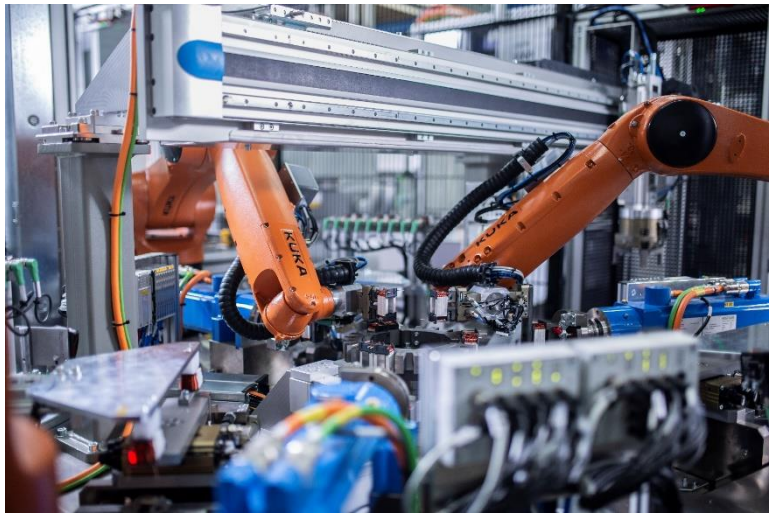
- Usage based maintenance
- Preemptive maintenance
- Just in time maintenance
- Just in time supplies

- Online production visualization
- Technology utilization improvement
- Non invasive production optimization

- Optimization as a service
- Production as a service





IOT & DATA GENERATION

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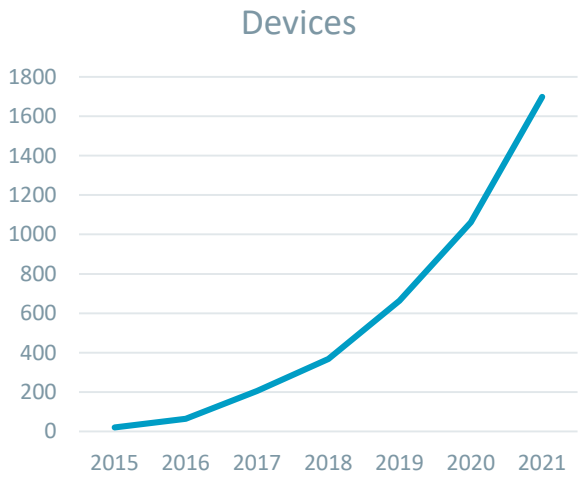

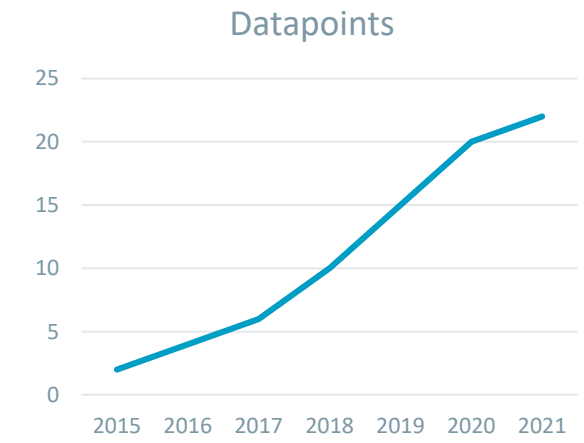

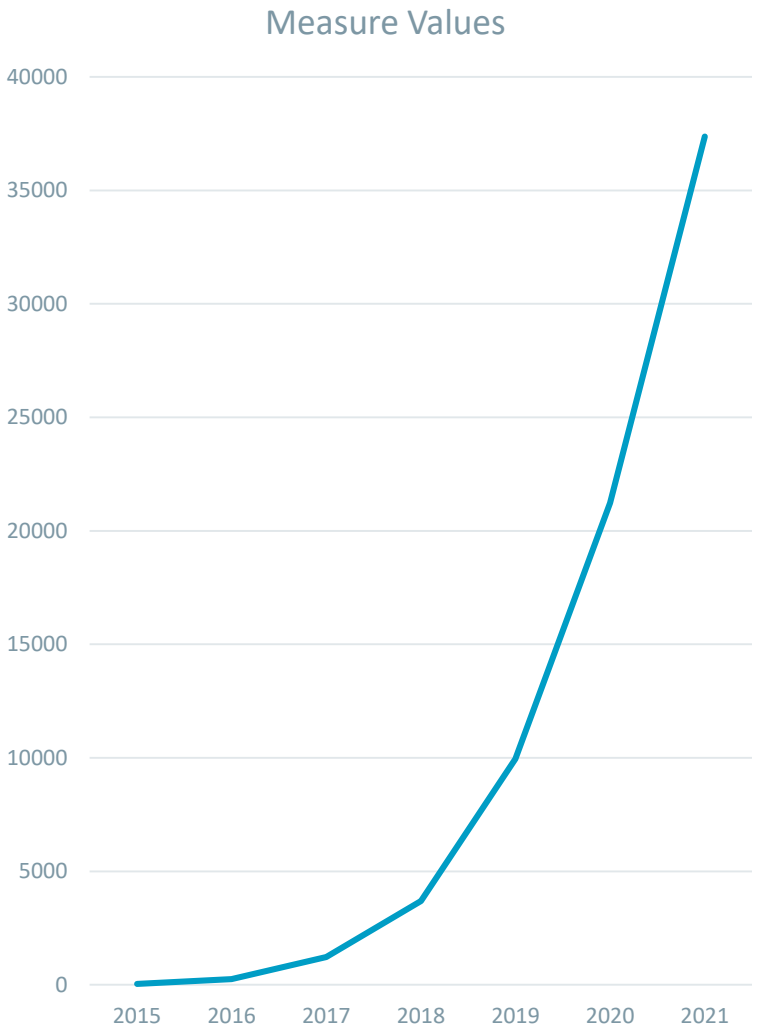

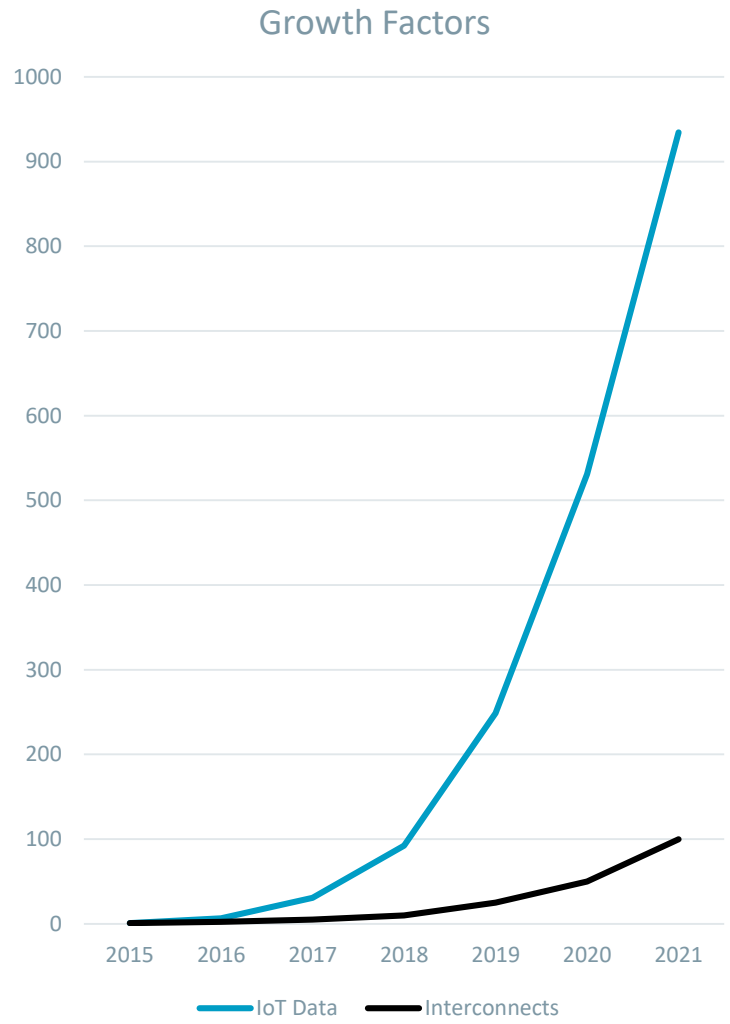

DATA AGGREGATION AND PREPROCESSING

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Engineering

Virtual Comissioning
Kinematics

Programming

Simulation

AI Training

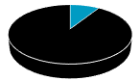
Monitoring

Digital Twin

Process

Process
Data

Data Ratio



transmit aggregate

Local
Refinement

Pre-
processing

5 KEY TAKE AWAYS EDGE COMPUTING …

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- moves data processing into the field
- is a reflection of modern operating strategies
- relies on platform standards
- is strongly sourced in the open source and AI world
- relates intense to software defined anything - sdX

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