

Realizing added value for our customers through innovative IoT technologies

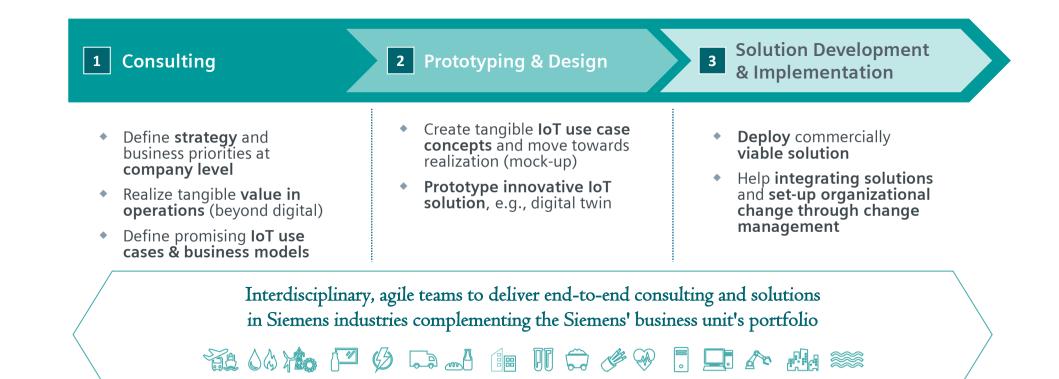
May 15th, 2019

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Siemens IOT: We create your unique digital journey – from consulting to design to implementation





Your challenge:

How can I increase productivity and throughput and reduce lead times in my production?

100

Our answer:

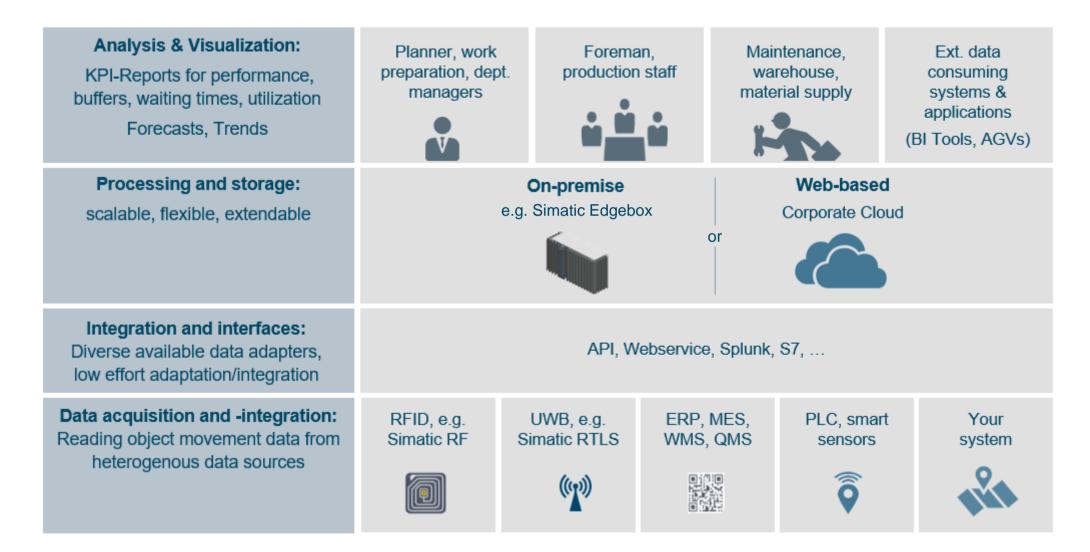
Production Throughput Inspector (PTI)

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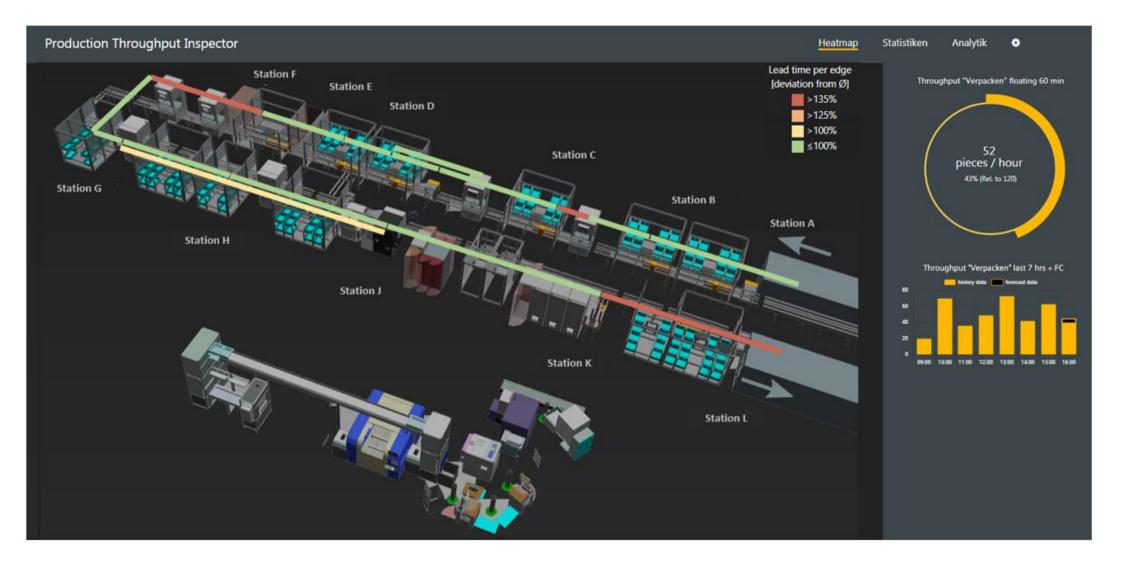
Support different stakeholders with insight statistics of production and Logistics





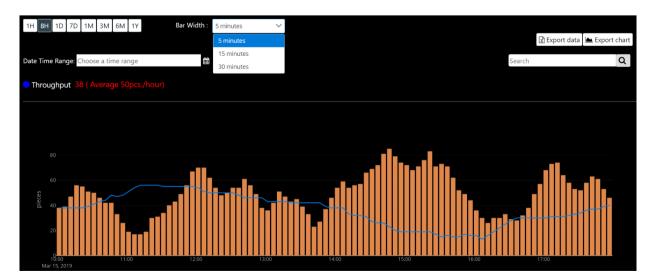
Dashboards can be configured for fast evaluation and improvement - Flow visualization and bottleneck identification (Heat Map)

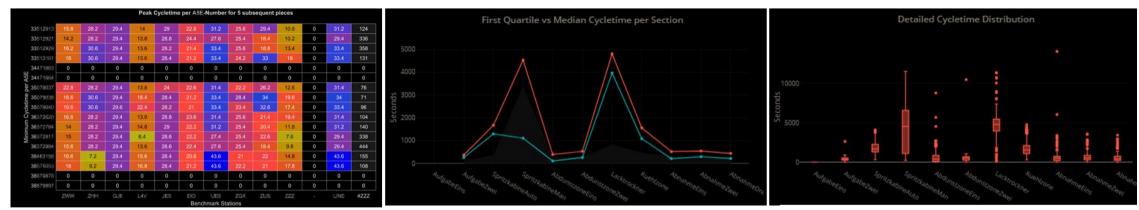




Dashboards can be configured for fast evaluation and improvement - KPIs and Historical Data (Statistic Modul)







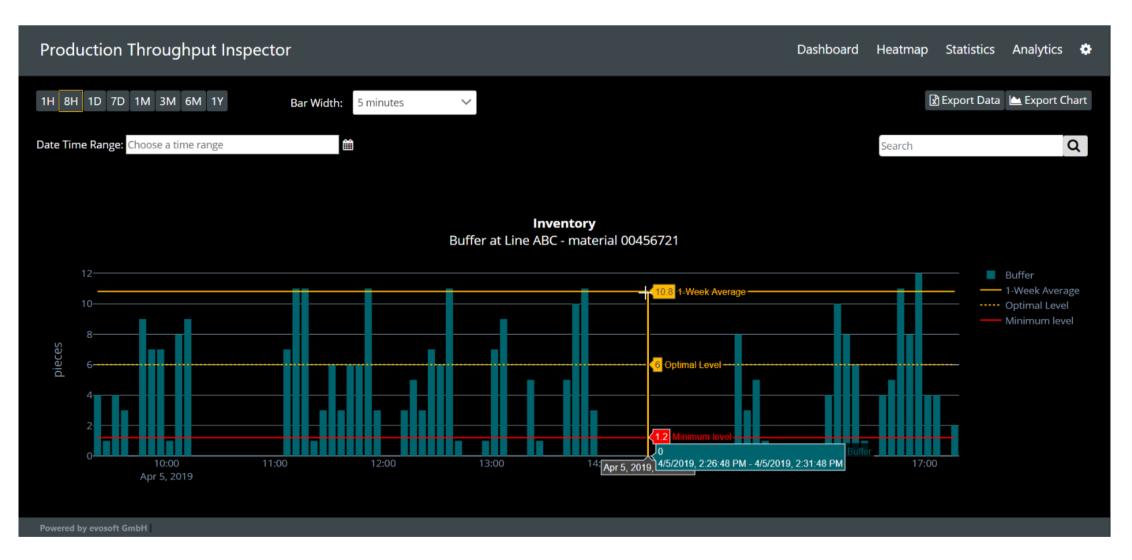
Objective view of reality: Mapping planned and unplanned events to production performance



Production Throughput Inspector	Dashboard	Heatmap	Statistics	Analytics	٠
1H 8H 1D 7D 1M 3M 6M 1Y Bar Width: 5 minutes			ት Export Data	📥 Export C	hart
Date Time Range: Choose a time range		Search			Q
Throughput History	k				
50 60 60 60 60 60 60 60 60 60 6	18		Absolute Thro Throughput in Average Abso Material Shor Planned Main Breakdown	n the last hour lute Throughp tage	
Powered by evosoft GmbH			nclunten	iduic II	K.

Managing WIP and buffers: Display inventory indicators





Your challenge:

How can avoid blockades or inefficiencies in your production flow?

high efficiency

more productivity

smart production

Our answer:

Advanced Flow (AdvFlow)

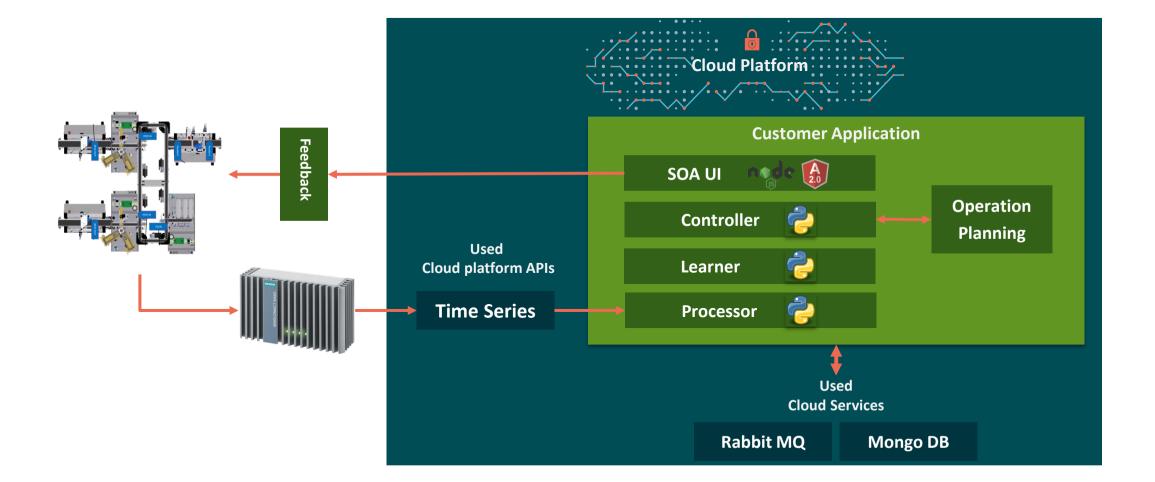
high efficiency

smart production

more productivity

Using MindSphere to optimize an assembly line





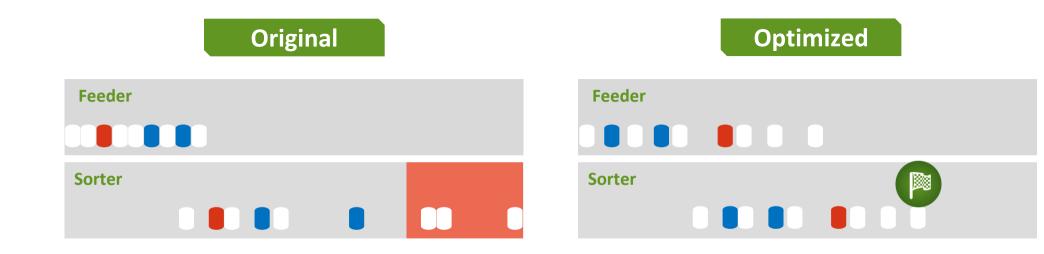
Bottlenecks in in production flow are avoided - Products and parts are at the right time and at the right place available





With AI we gain significant efficiency increases with nearly no invest of the customer

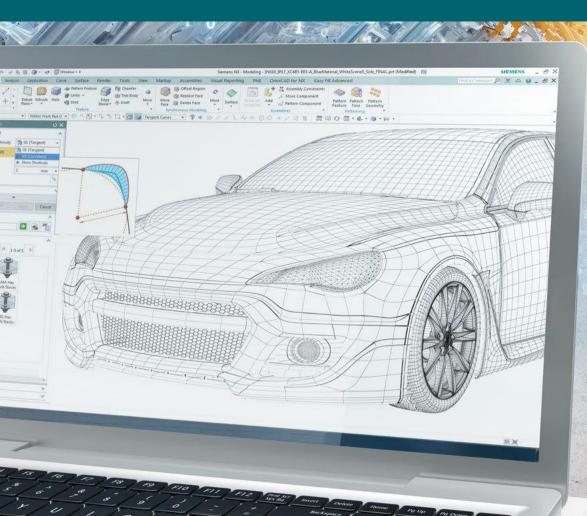




Efficiency Increase **31,4%**

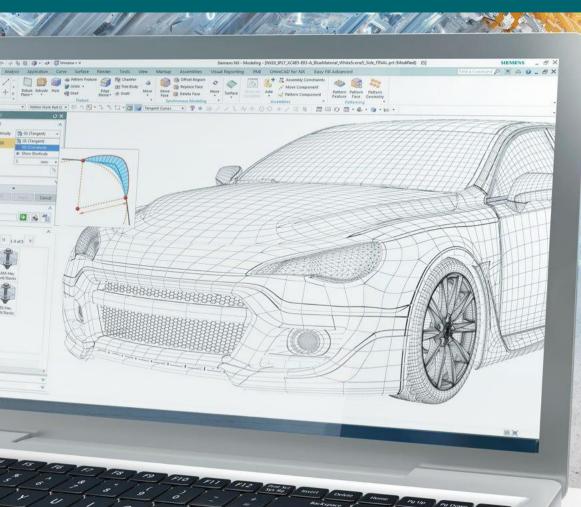
Your challenge:

How can I sync data between a physical and virtual environments?





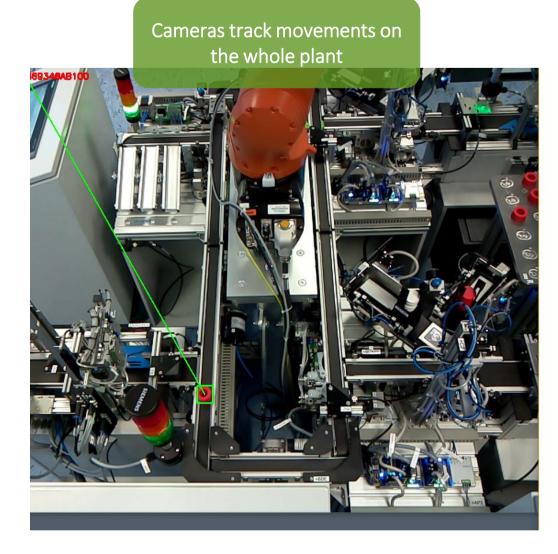
Your challenge: Augmented Machine Vision

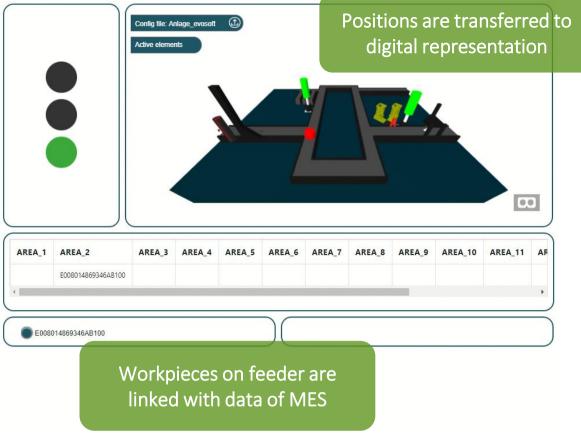




It is an easy way to generate a real-time digital represenation



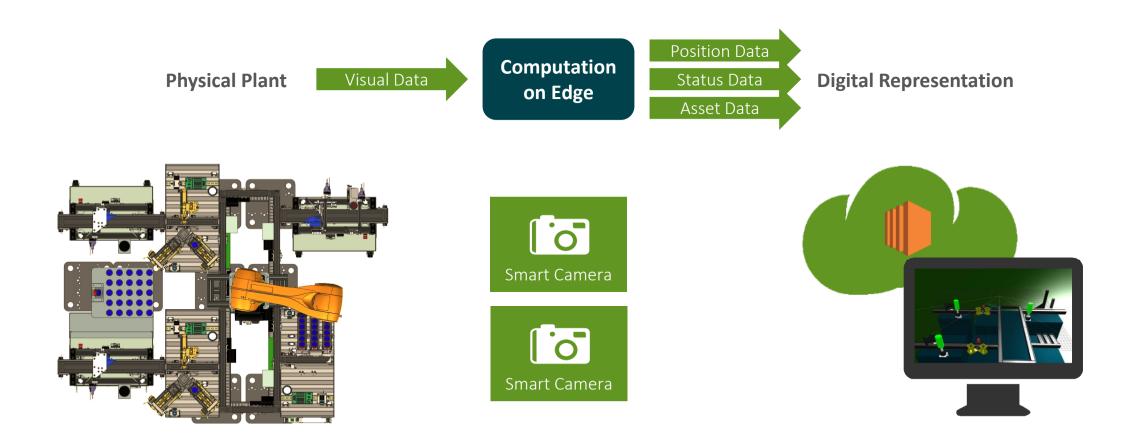




Augmented Machine Vision Control Interface

Real-Time digital twin using edge computing









- Set focus on customer value
- Leverage through reusuable buildings blocks
- Adapt solutions by flexible integration concepts



Thank You!

Siemens Innovation Day China 2019 | May 14th - 15th Chengdu



Thank you for your attention!