

ABB Ability™ CEM-DAS with Collaborative Operations Center

Optimal monitoring & maintenance performance for 70+ sites



Productie Proces Automatisering

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Introduction



Homi Sihombing

Digital Lead ABB Benelux



homi.sihombing@nl.abb.com



homi-sihombing



ABB view on digitalization

Autonomous

OPTIMIZES

It simply connects.

It simply tells you.

TRANSFORMS

It simply knows.

It simply adapts.

Automation



What is the challenge?

To comply to Industrial
Emission Directive
2010/75/EU.



What is the health
status of the analyzers?

Lack of expertise.

Other higher priority.



How-to?

How to overcome this situation in an effective way?



Analyzers Condition Monitoring Service

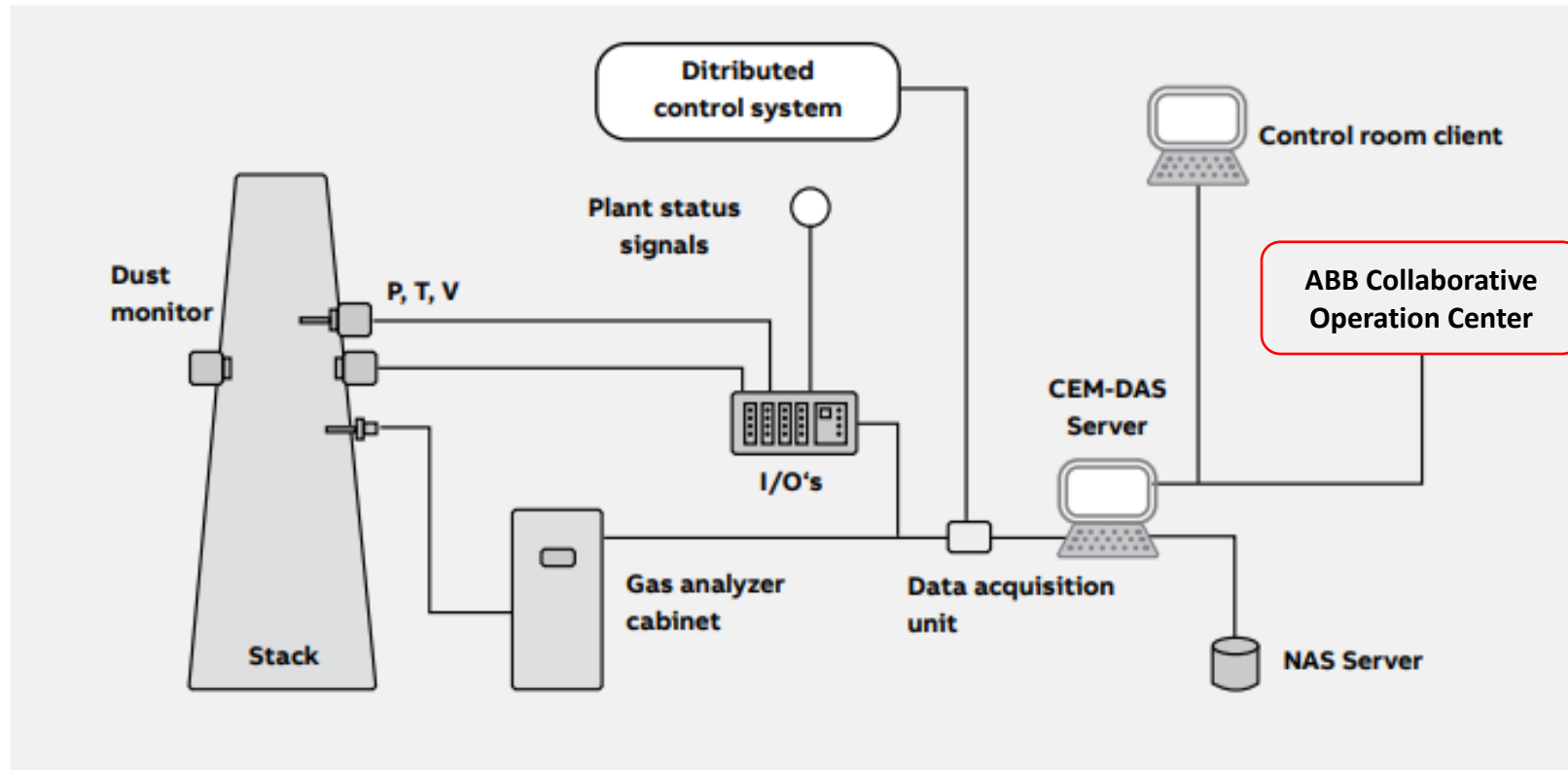
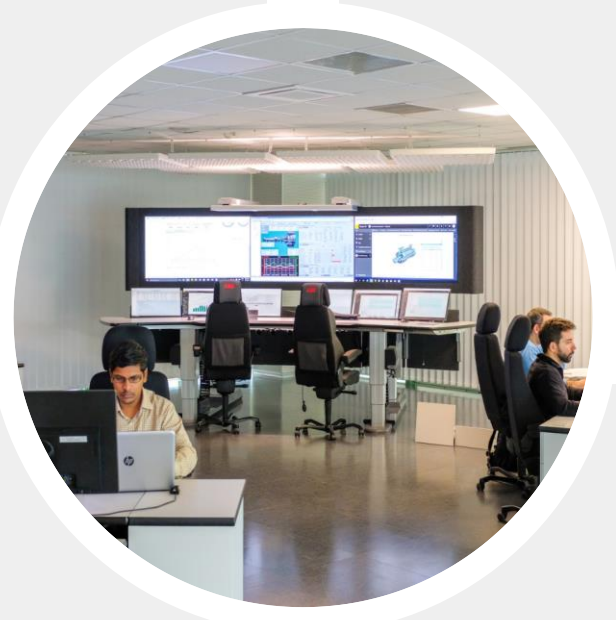
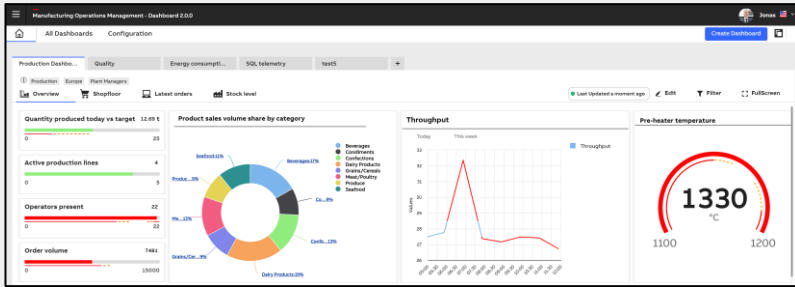
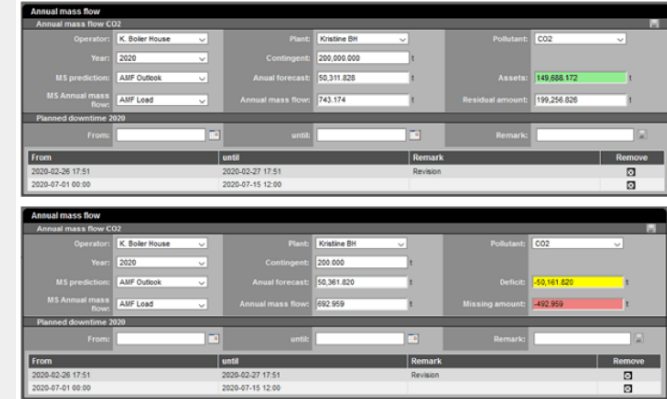


ABB Collaborative Operations Center

Remote monitoring and reporting



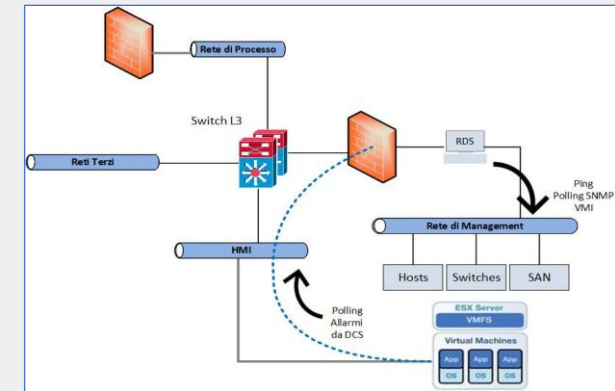
Remote support and troubleshooting



Support Case Tracking (h24)

Case Number	Subject	Status	Date/Time Opened
20191127-510916	Aut Test Case 2	Closed	2011/2019 11:32
20191128-519828	Brilliance Lock not a lock	New	2011/2019 08:17
20190816-510053	control system problem- COC Washville	Closed	16/08/2019 21:13
20200422-516331	est Mente TCCC Case	Cancelled	22/04/2020 20:19
20190719-514980	PSL LOCK TEST	New	19/07/2019 17:09
20190816-510051	Loop Performance channel problem- COC Washville	New	16/08/2019 15:53
20191127-519822	Matr Test	New	2011/2019 12:37
20190820-514950	PHBSS Problem	Closed	30/05/2019 16:22
20200424-516330	BAF	New	24/04/2020 15:15
20201118-519817	SUB-ORIG 2	New	18/11/2020 16:29
20201118-519815	Test	New	18/11/2020 16:06
20201118-519816	Test	New	18/11/2020 16:24

Cybersecurity



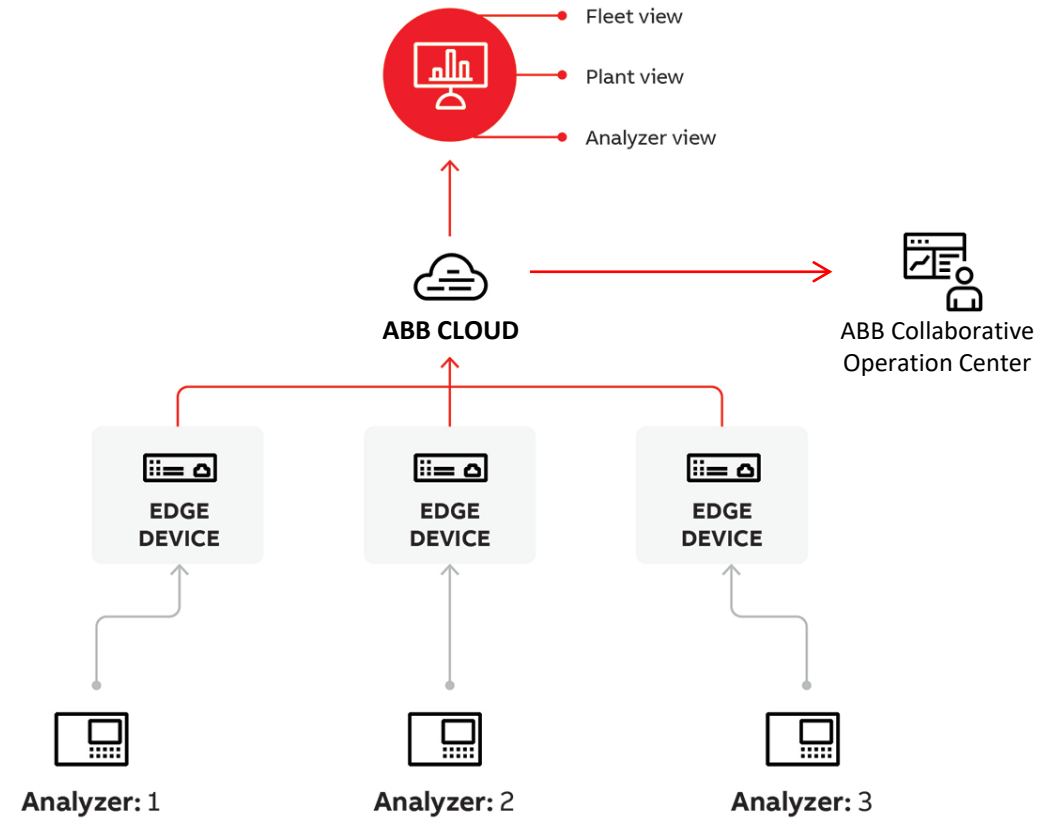
What if?

What if we can make it more efficient?



Moving Forwards

- Scalable & Secure
- Continuous data acquisition & data analysis
- Automatic report generation
- Remote support
- On-time site intervention
- AI/ML to support predictive maintenance



The Benefit

- Long term data repository
- High reliability and availability
- Early detection of fault
- AI/ML to support predictive maintenance
- On-time site intervention

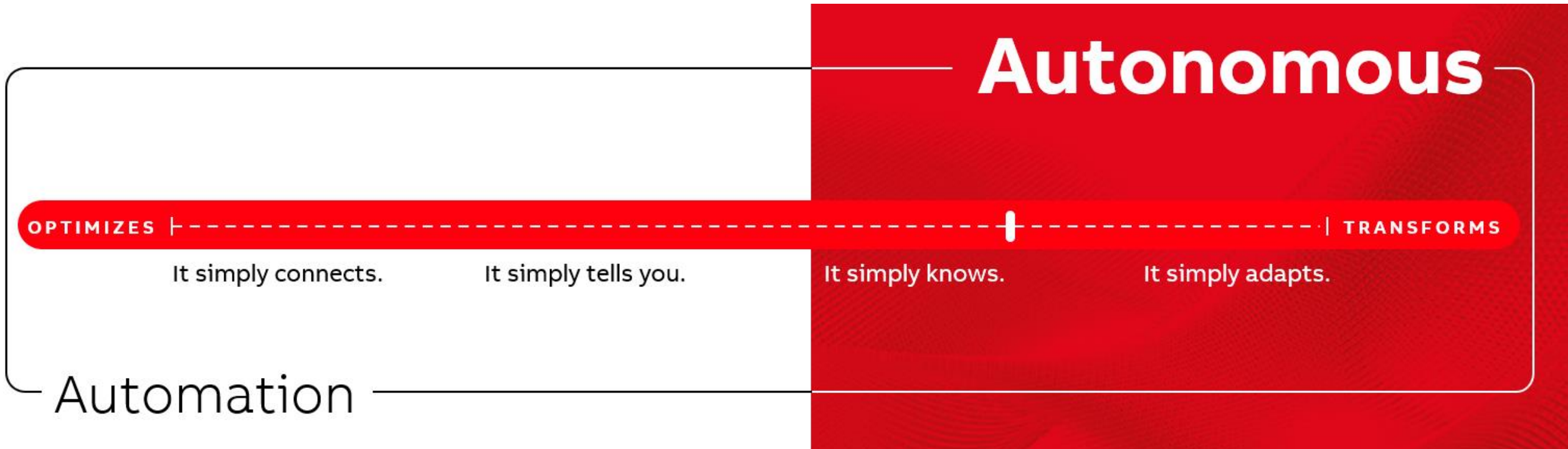


What if we expand it further?

Electrical equipment
Field instruments
Rotating equipment
Static assets



Through digital transformation journey



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