

SULZER

Advanced MES solution piloted in Sulzer

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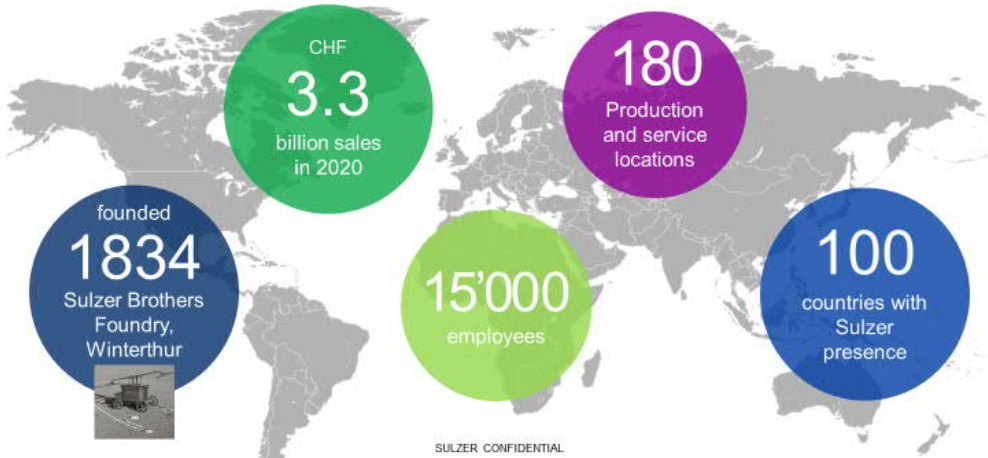
Kalle Lehti
Production Manager



Who are we

Globally

Pushing the boundaries in fluid engineering since 1834 – from Winterthur to the world



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6

Locally

2020 figures



Kalle Lehti - Digitalization at Sulzer - CASE Sulzer Pumps Finland Oy.

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April 28, 2021 9

Reboot from Sulzer point of view

Why Reboot?

Running start to Digitalization

Consortium Support

Courage to experiment with new technologies

S&OP process enhancement



Lead Time tools for Sales Support

4

main focus areas

MES as the basis of production digitalization



AR/MR for digital work center validation

Benefits


Learn from others

Adapt new thinking

Benchmarking processes

Critical self-examination

Manufacturing Execution System Pilot

 Problem Areas - Lack of **reactivity** and **visible value stream**

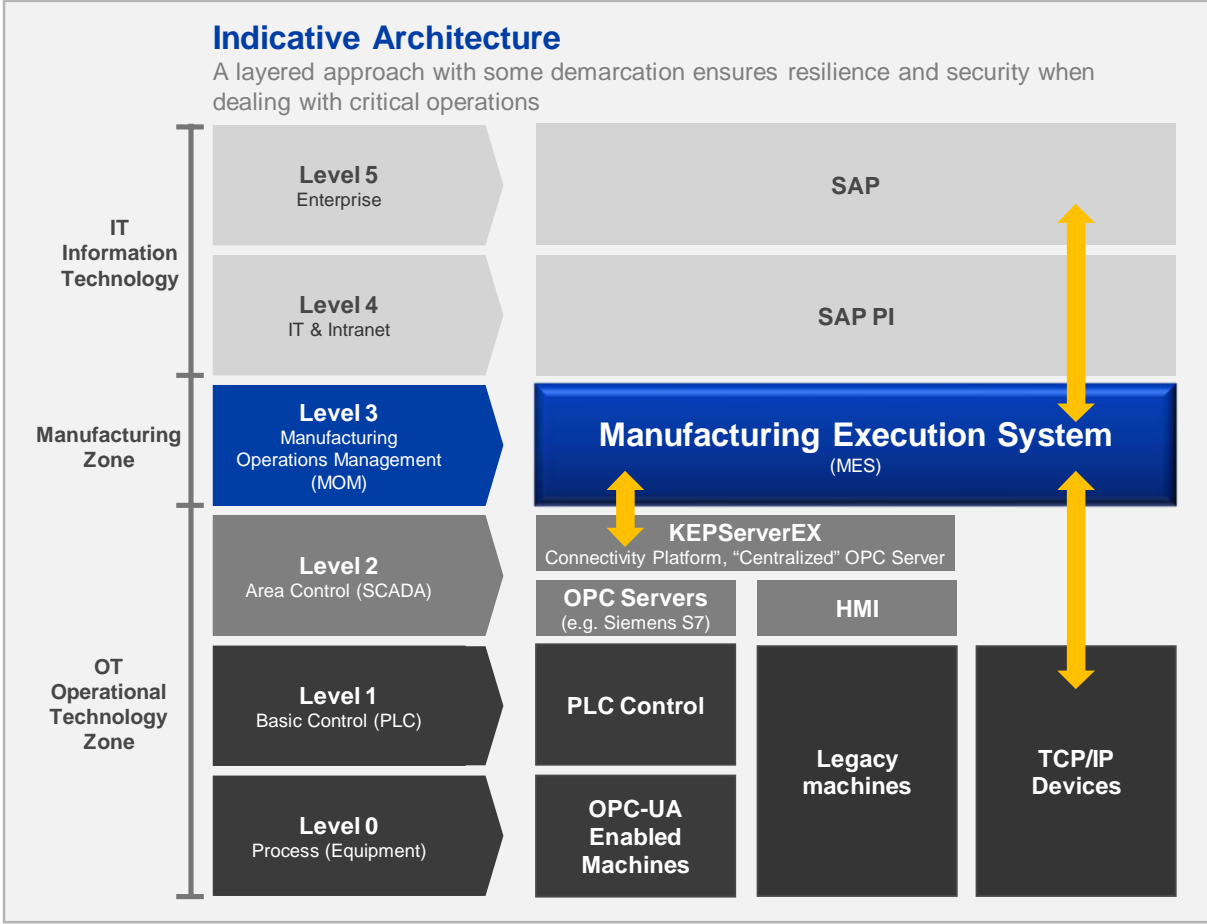
- Current systems doesn't provide needed visibility of processes at production level
- Operator needs to rely on multiple information sources to complete production orders successfully – causes errors and delays
- Lot of movement needed from supervisors with production order printouts and production order changes

 Solution – On-premise **MES** Implementation

- Bi-directional connectivity to ERP
- Bi-directional connectivity to machine tools
- Greater visibility via more granular reporting on workstations and mobile devices

Visible

Reactive



LEANWARE

improving productivity

PEKKA SAARELAINEN
Chief Product Officer



LEANWARE KEY FIGURES

Yhteistyö (ka)

8,6

asteikolla 1-10

Järjestelmätyytyväisyys

8,6

asteikolla 1-10

Konsultoinnin tyytyväisyys

4,7

asteikolla 1-5

Käytössäsi

100

asiantuntijaa

Konsultointeja

400

kpl

Asiakkaita

200

kpl

Järjestelmätoimituksia

300

kpl

Digital warehouse[®]

Warehouse and procurement optimizing

Digital Works

Customized solutions

Digital Factory

Production and supply chain optimizing

Digital Harbour

Harbour operations

Solutions

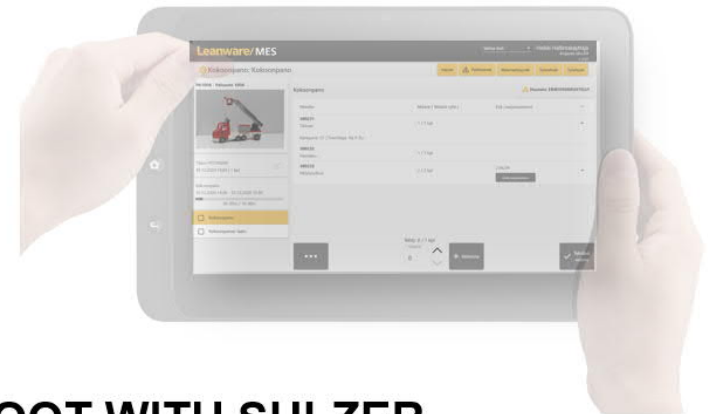
REBOOT & LEANWARE

WHAT LEANWARE GOT FROM REBOOT?

Reboot project with Sulzer has provided excellent visibility to digitalization requirements and realities of a global organization.

Based on the Sulzer long term vision and short-term requirements we have been able to improve Leanware product roadmap in co-operation with Sulzer.

Reboot project with Sulzer has improved Leanware's capabilities to compete in global digitalization market.



REBOOT WITH SULZER