

Smart Air Strategy Execution





Company Profile

Founded 1919 in Coburg

Manufacturing in Germany

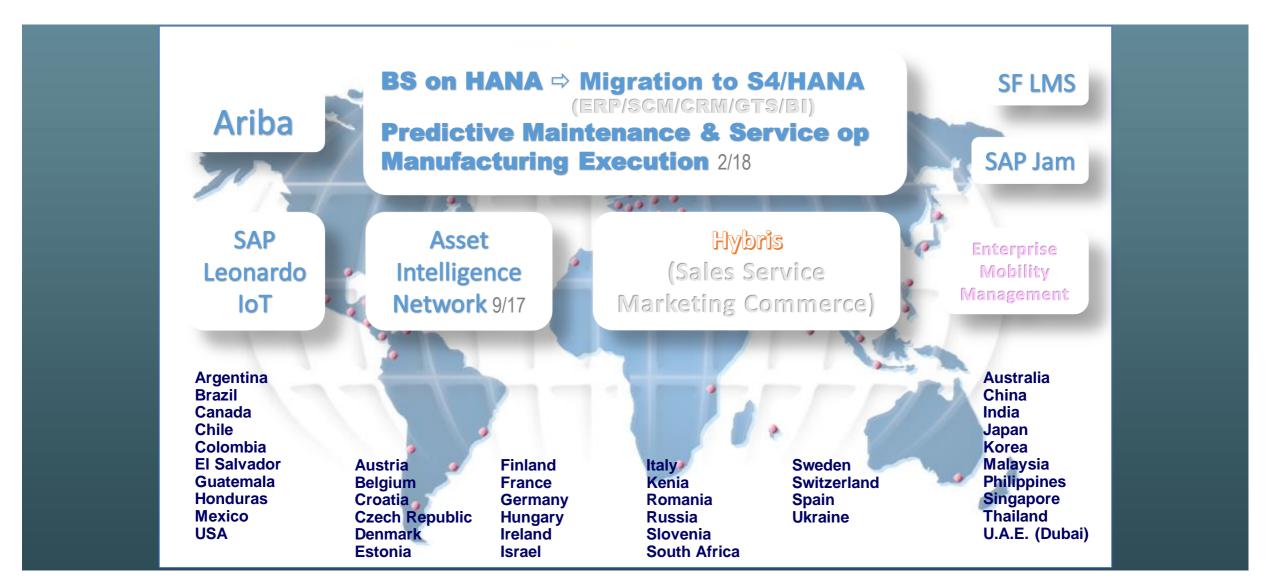
Sales & Service in EMEA ⇔Americas ⇔APAC

~ 6.000 Employees



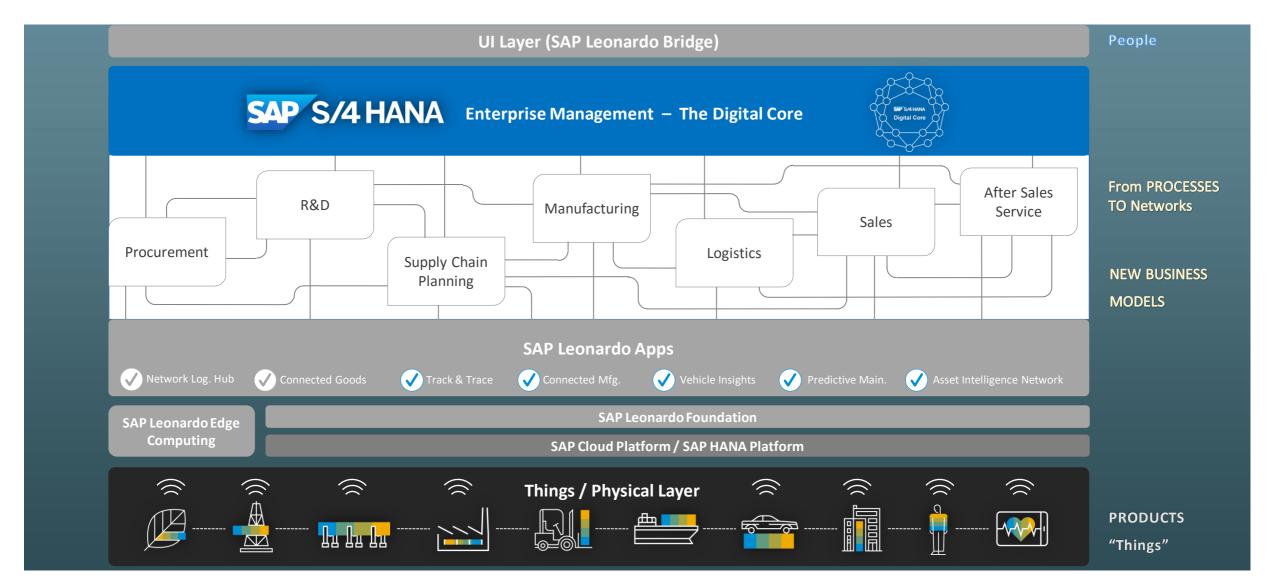


Global IT Infrastructure



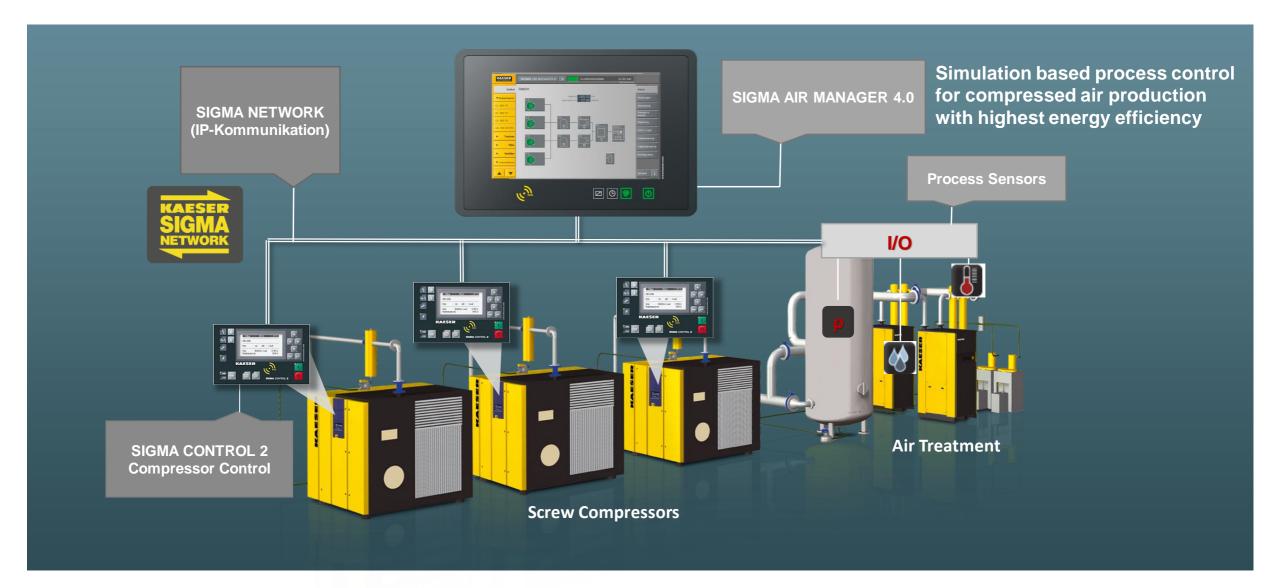


SAP Leonardo & Digitizing Business: The Big Picture





Compressed Air Station - SIGMA AIR MANAGER 4.0

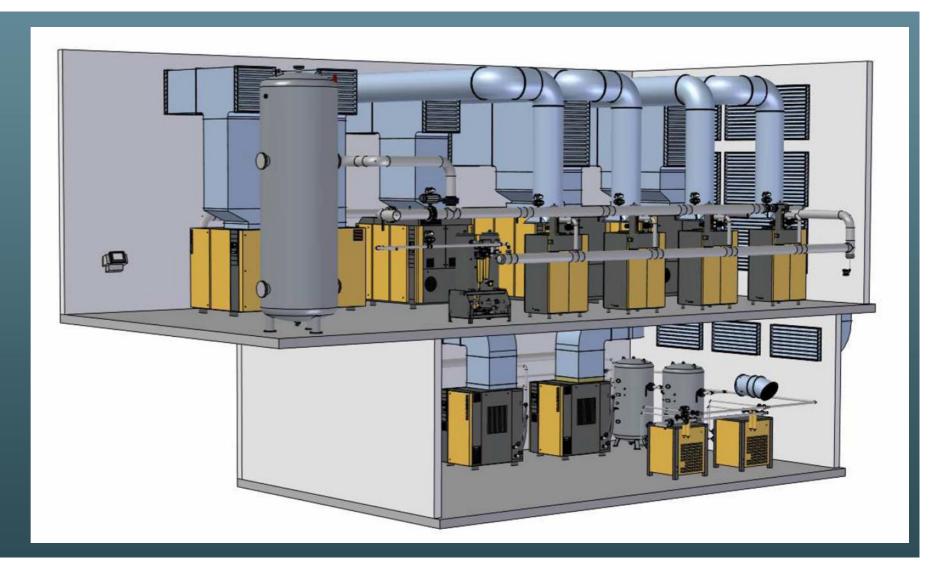




KAESER Compressed Air Supply Station – Example

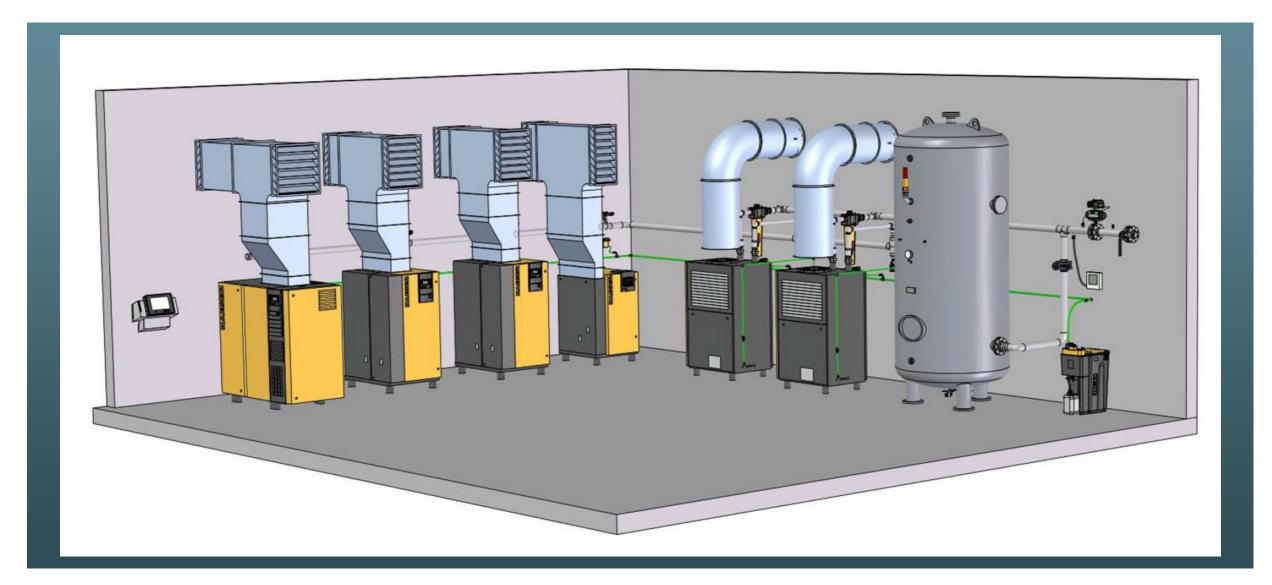
Low Pressure Station Screw Compressors with Fluid Cooling

High Pressure Station High Pressure Boosters



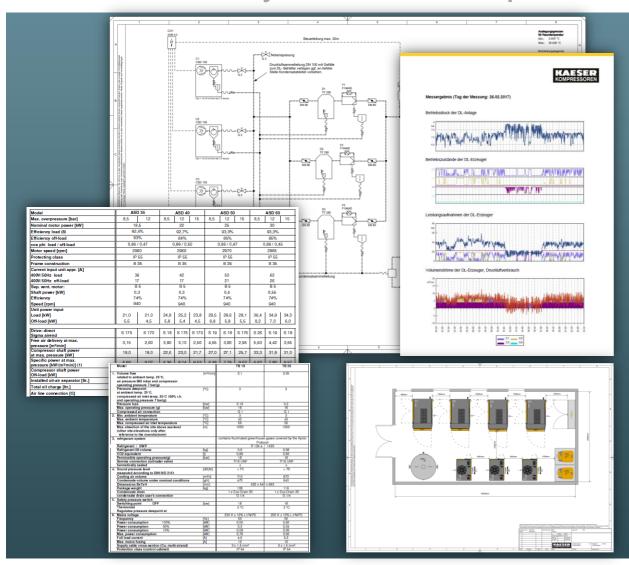


KAESER Compressed Air Supply Station – Example





KAESER Smart Engineering – Lifecycle of a Compressed Air Station



Acquisition

As-is & air demand analysis

Planning

Solution planning, simulation & documentation Solution proposal

Realization

ATP, MTO, ETO, ..., Installation (Sub-Contracting)

Commissioning

Integrate into PdMS & Service

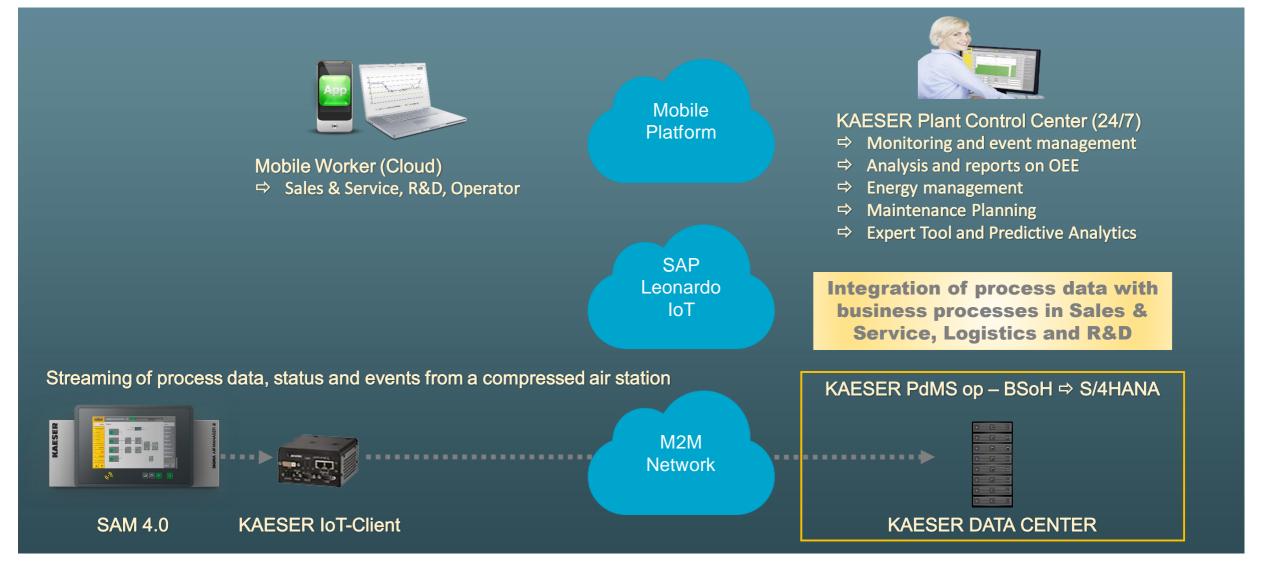
Operation

Run Predictive Maintenance & Service

Decommissioning



KAESER SIGMA SMART AIR - Architecture



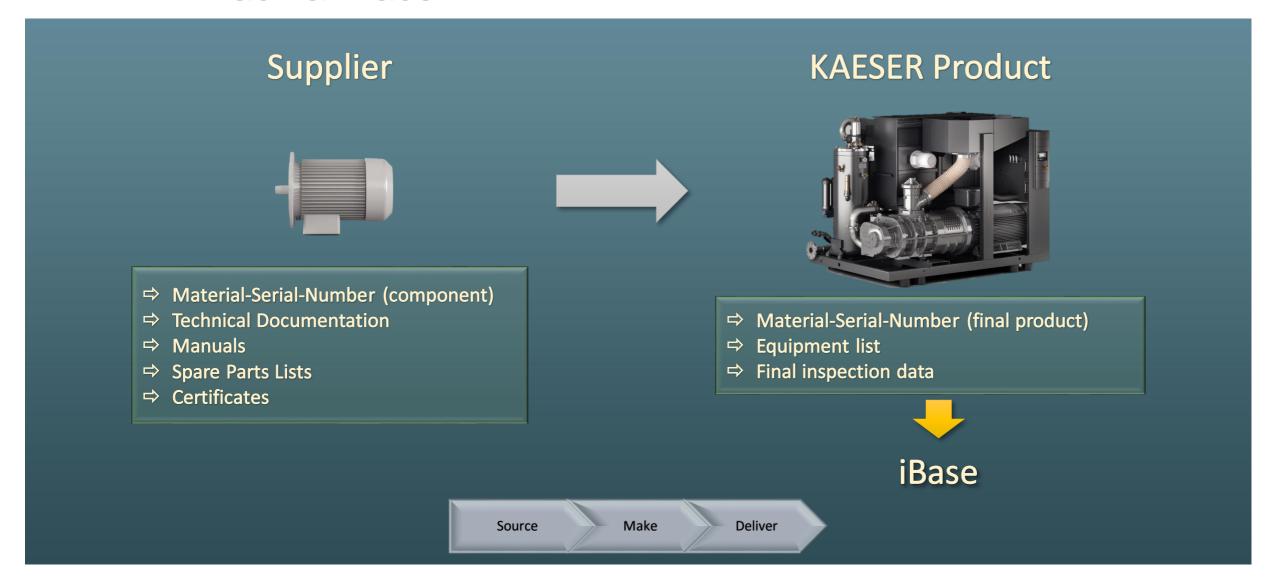


KAESER PdMS – Plant Control Center





KAESER Smart Asset Management – Track & Trace



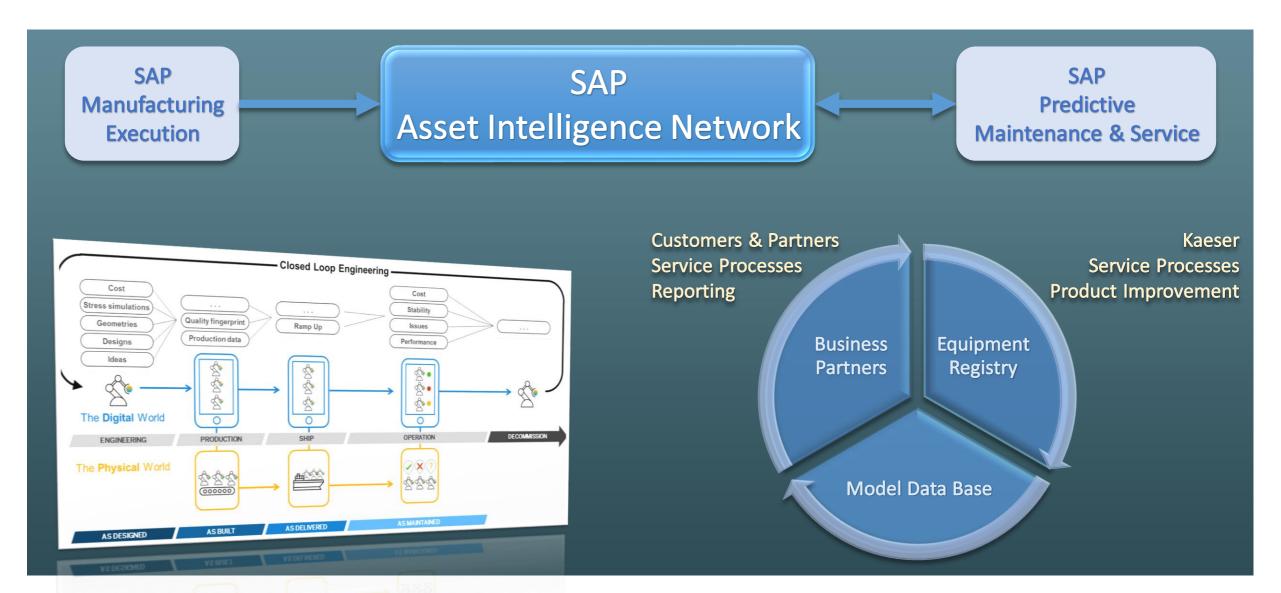


KAESER Smart Asset Management – Compressed Air Station Lifecycle





KAESER Smart Asset Management





Usage information is the basis for value added services

5. Operations

- Maintenance services
- Calibration services
- Performance as a service
- •

4. Commissioning

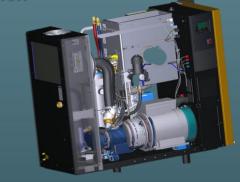
- Commissioning services
- •





1. Engineering

- Engineering services
- 3D model conversion
- •



2. Procurement

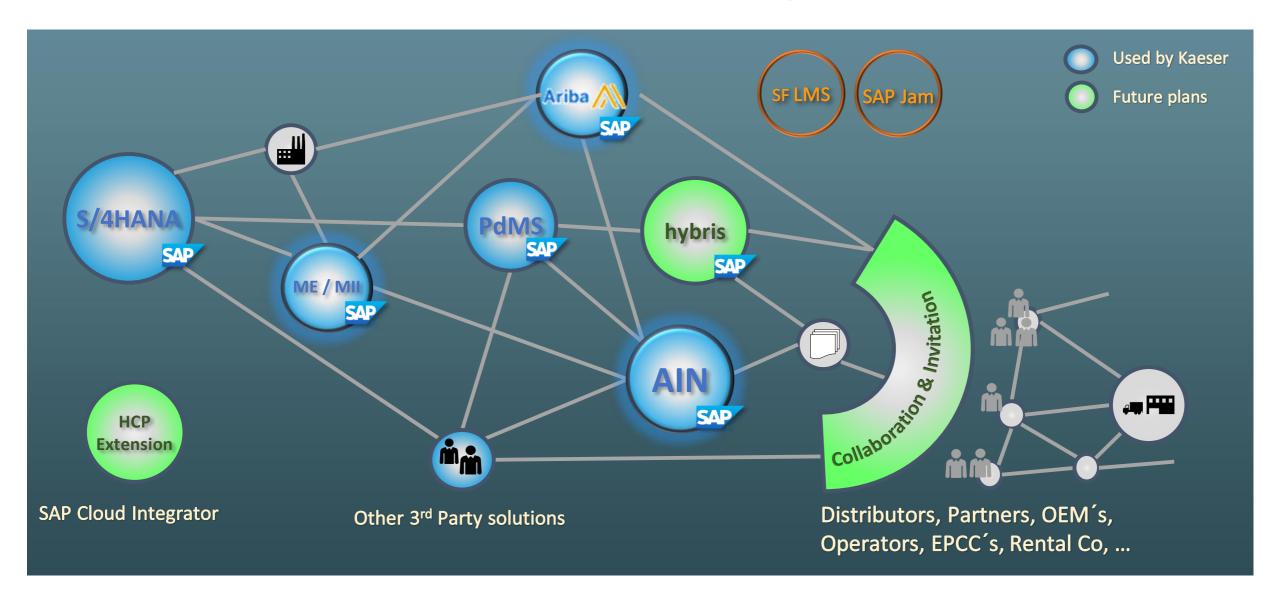
- E-Procurement services
- Digital twin as USP
- ...

3. Installation

• Machine fingerprint, Installation certification, ...



Connect the Dots and Go for Operational Excellence





Business Model KAESER SIGMA SMART AIR

KAESER SIGMA SMART AIR

Projectable

- KAESER is responsible for operations & maintenance of the compressed air station
- Service Level Agreements for the production of compressed air
- Monthly settlement based on consumption of compressed air

Improve Overall Equipment Effectiveness (OEE)

Effective

- Avoid planned and unplanned downtime High Availability
- Improve energy efficiency
- Reduce service costs by optimized maintenance and eliminating incidents

Consulting

Intelligent

Adapt compressed air station to changing customer demand during the the life cycle



Thank You

