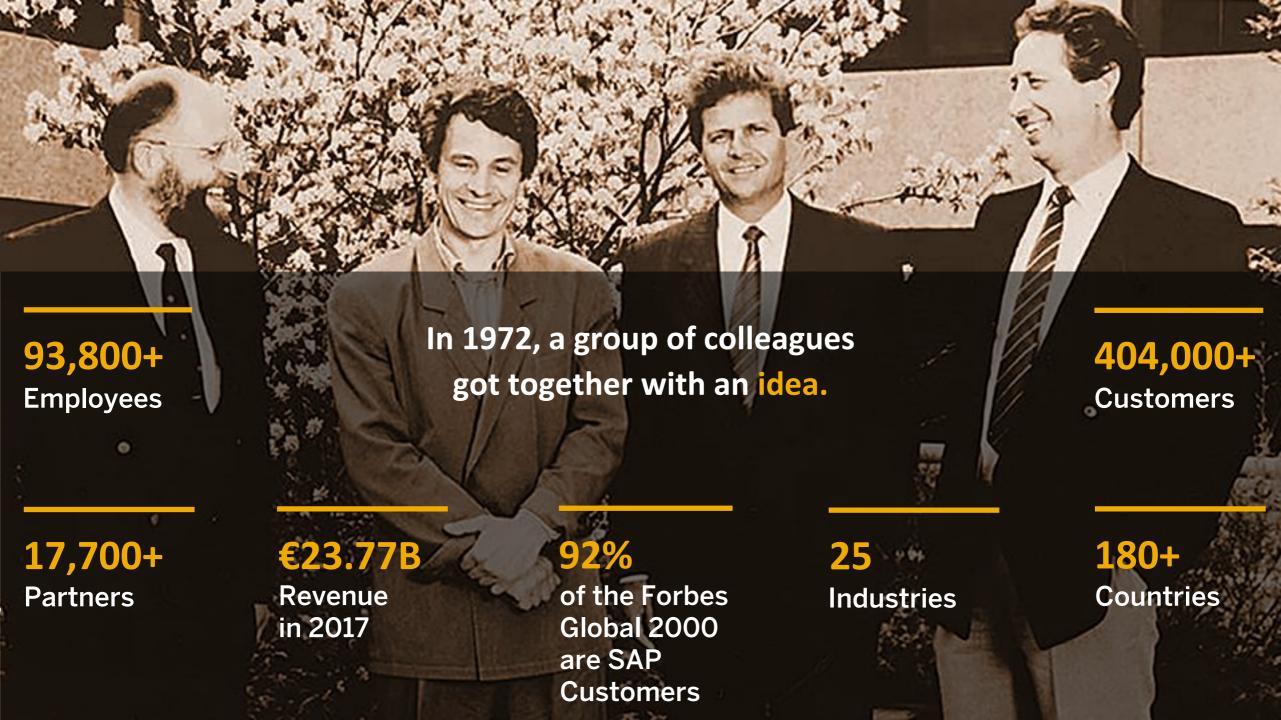


Der digitale Zwilling Zwischen Realität und Vision

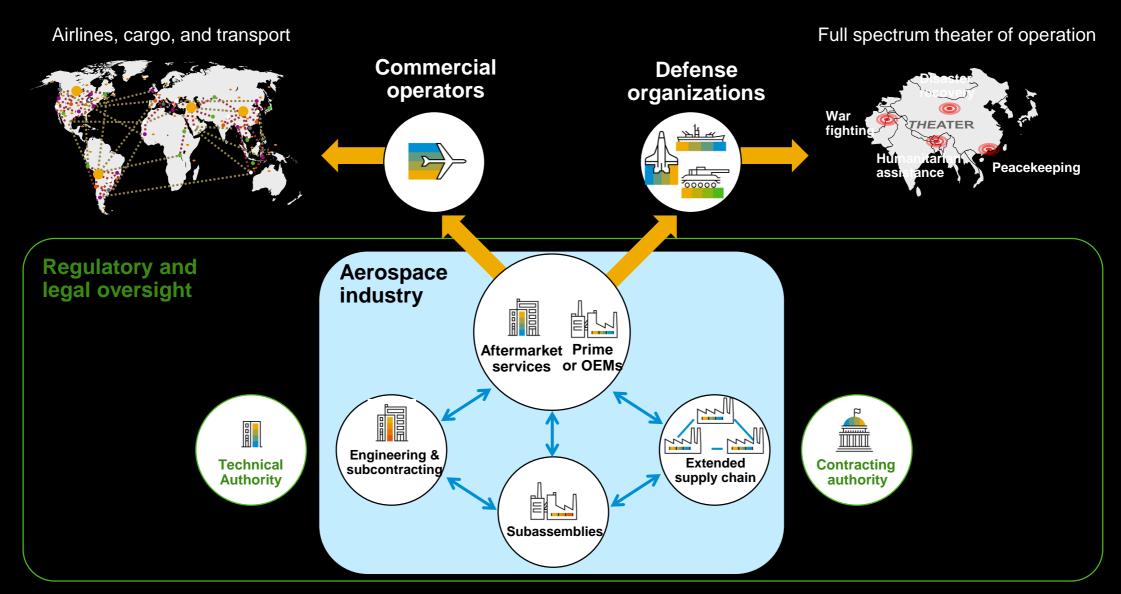
Dr. Katharina Schäfer, SAP October 18, 2018

PUBLIC

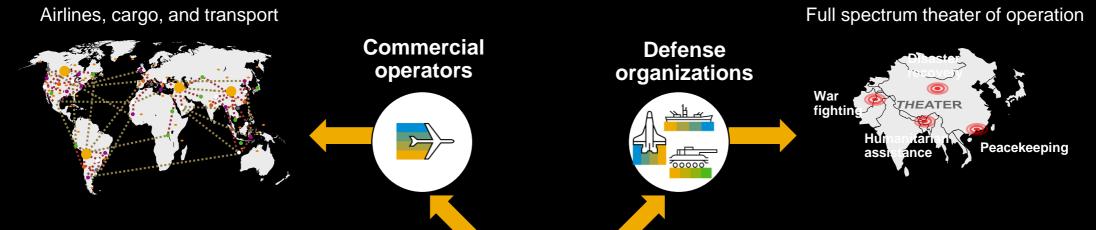




Complete coverage of the A&D ecosystem



Complete coverage of the A&D ecosystem



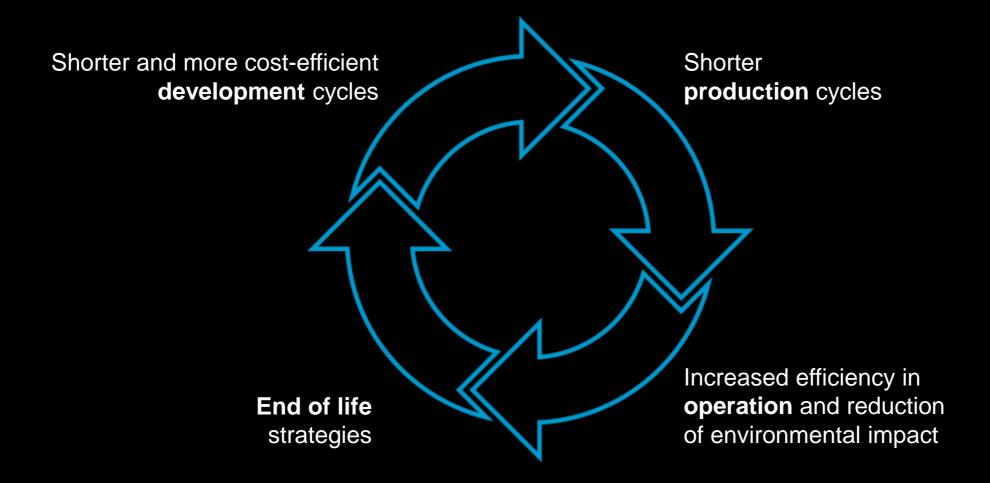


Global Aviation Market Trend

33.000

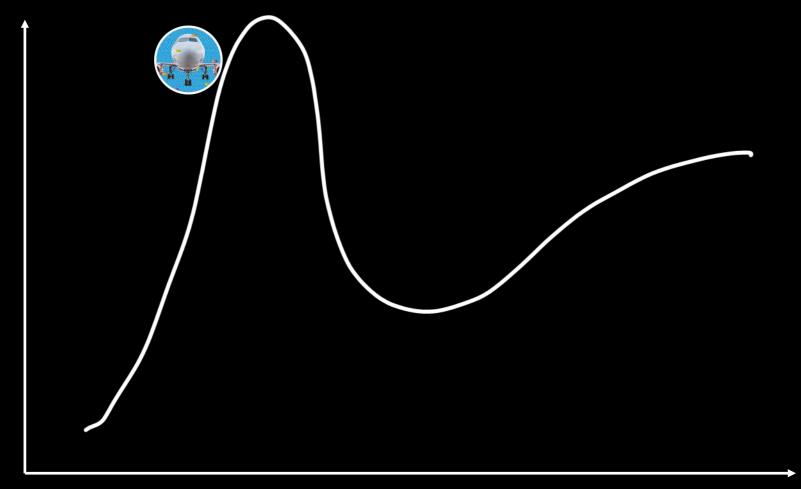
New aircraft required until 2035

Challenges in the aviation sector

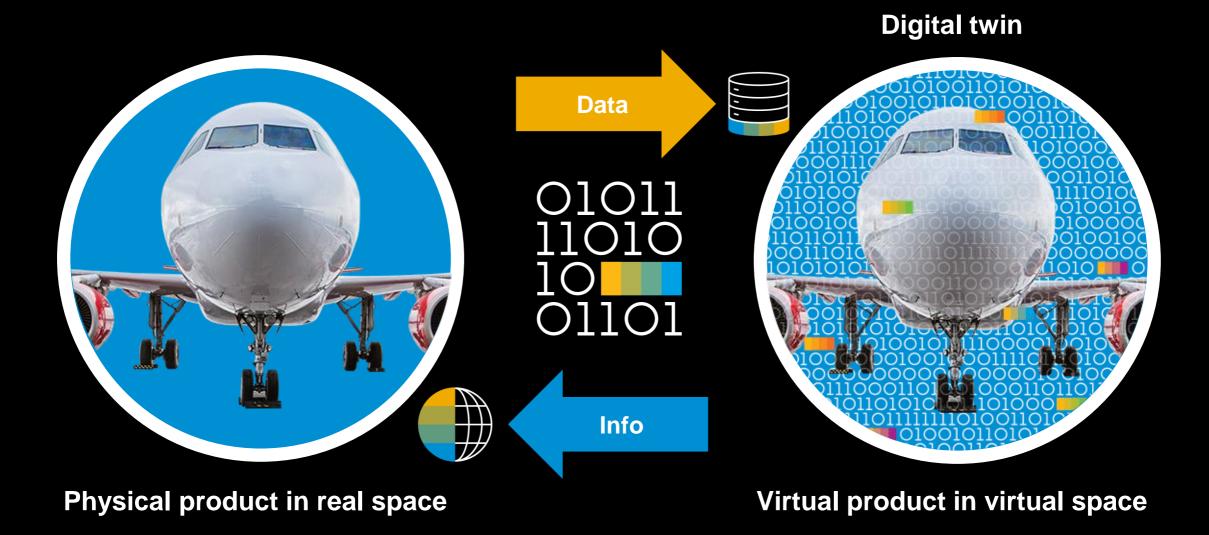


Digital Twin reaching top of hype cycle

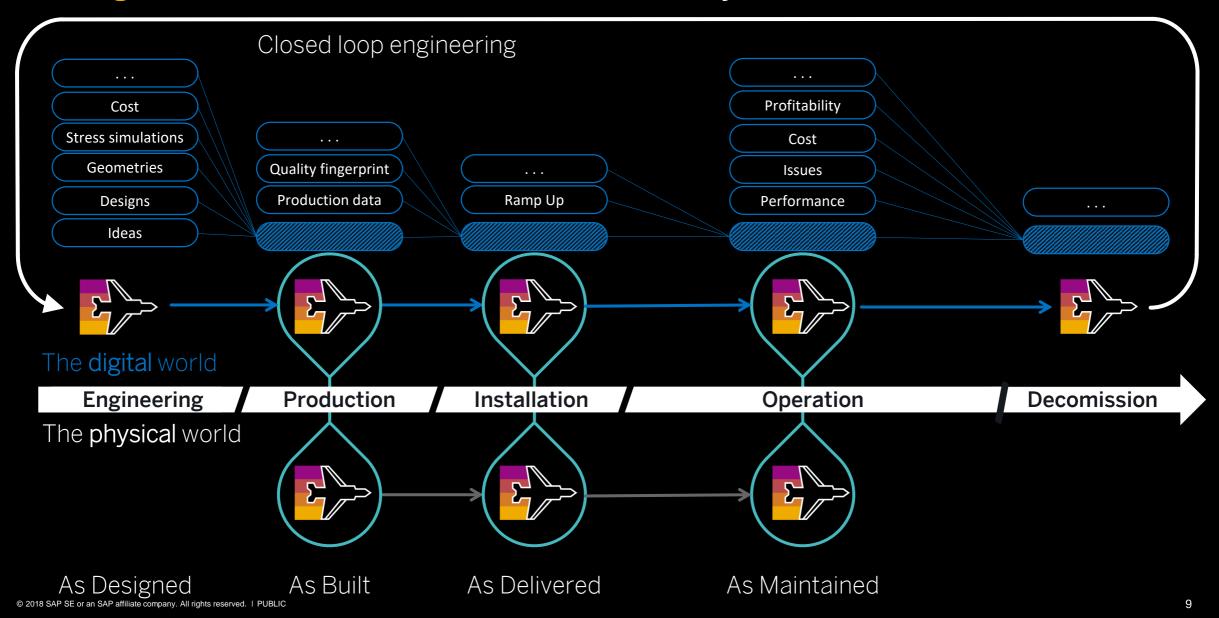
Expectations



Original digital twin defined



The digital twin needs to cover the entire life-cycle



Digital Twin in Aviation - Examples

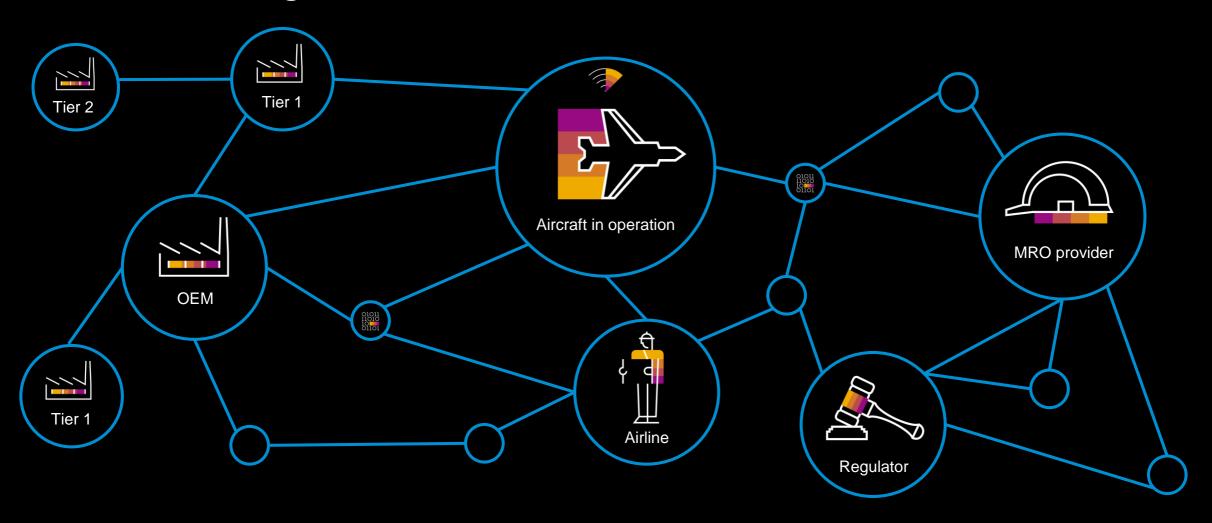
AVIATAR skywise

Boeing AnalytX

PREDIX



It's about sharing data



The Network of Digital Twins

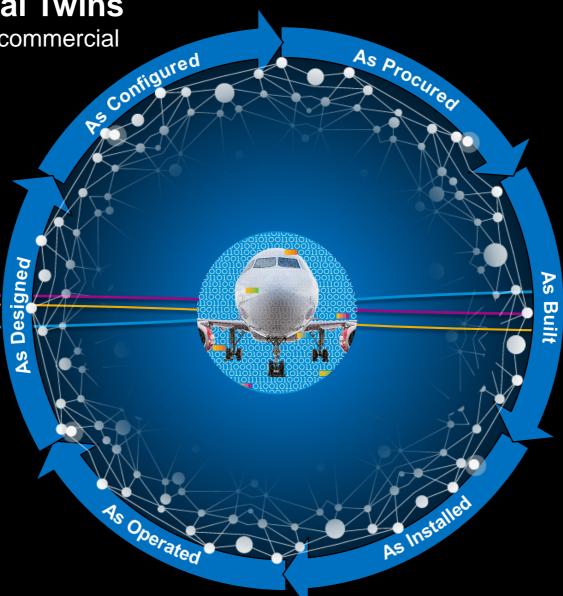
Digital, physical, conditional, commercial

Manufacturer



Product intelligence

Collaborative R&D, engineering and manufacturing



Operator



Asset intelligence

Asset Management, predictive maintenance and service

The Network of Digital Twins

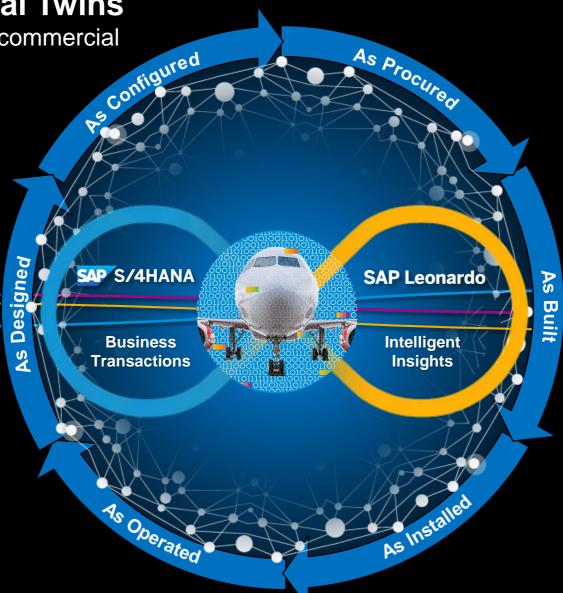
Digital, physical, conditional, commercial

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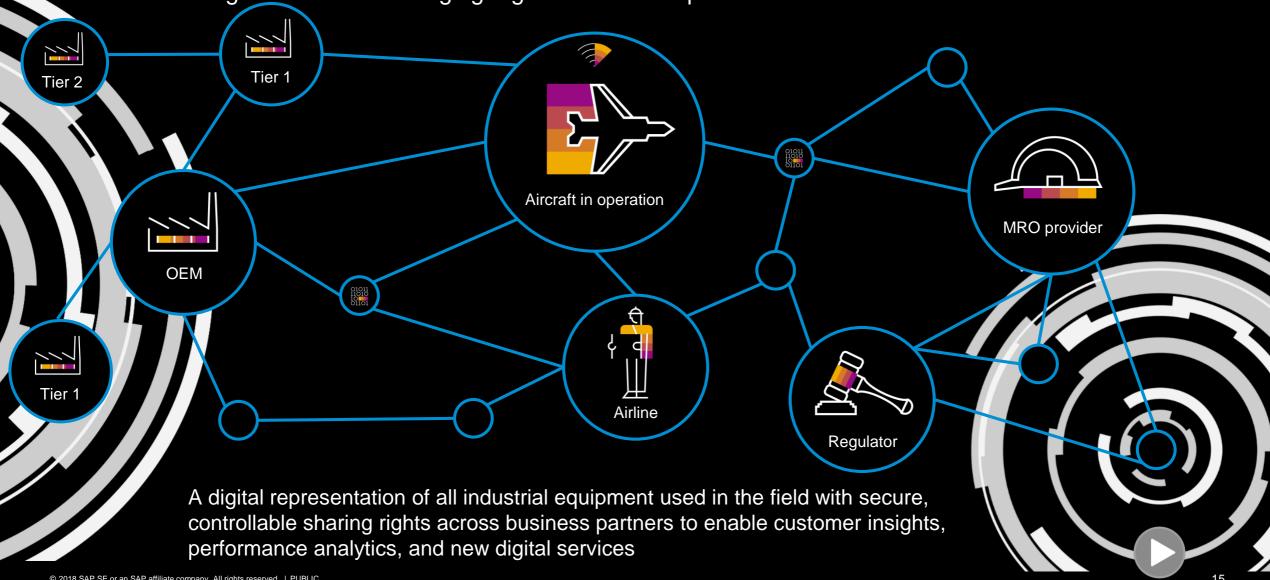
Asset intelligence

Asset Management, predictive maintenance and service



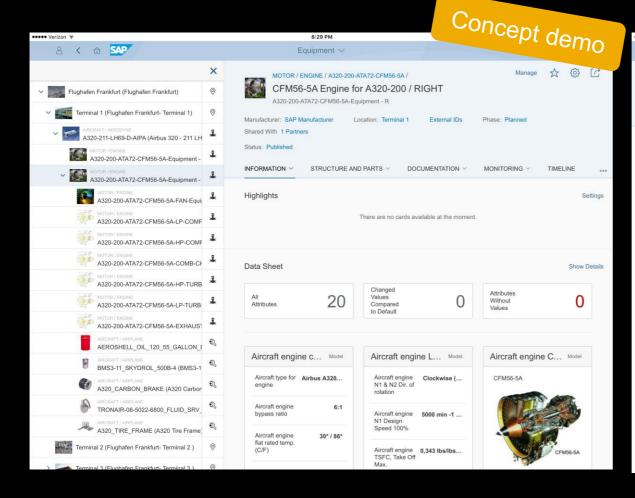
Asset intelligence

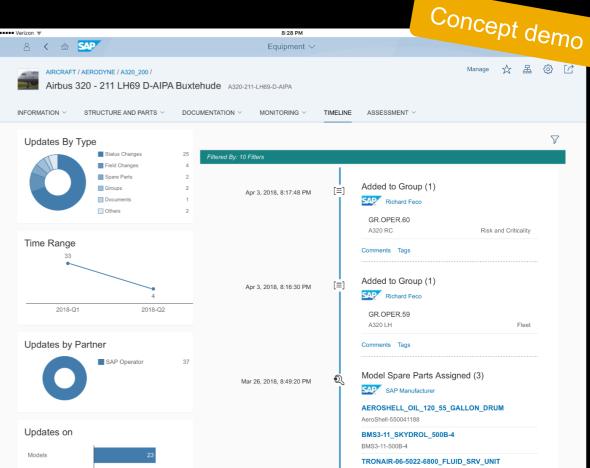
SAP Asset Intelligence Network: bringing together business partners



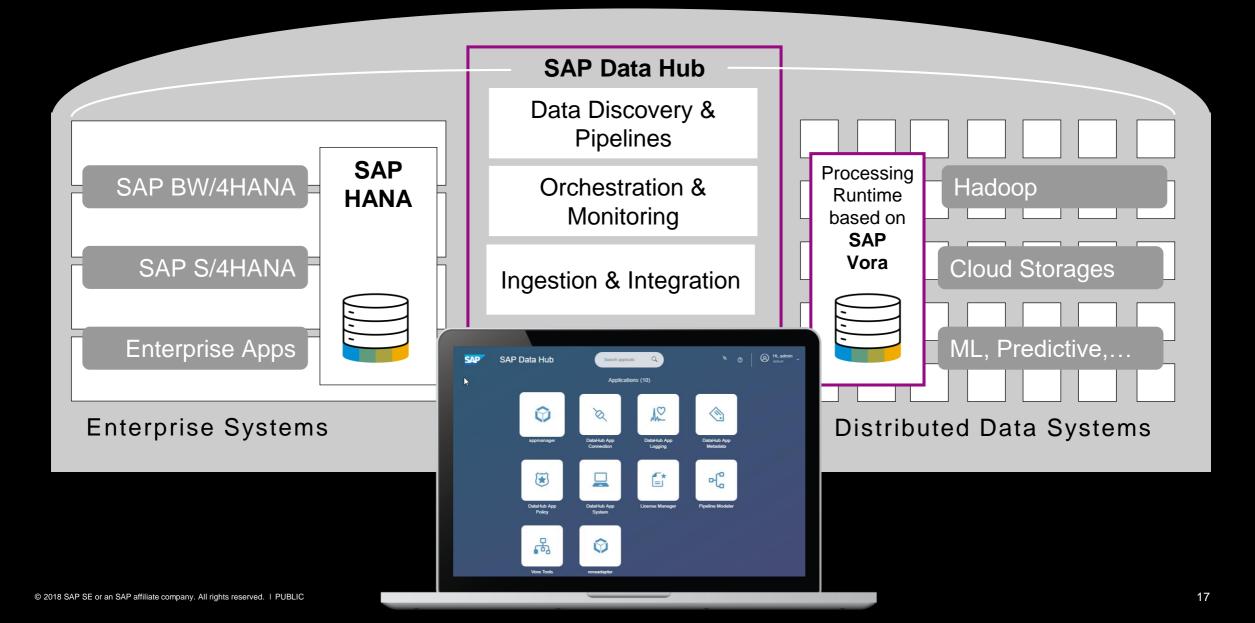
SAP Asset Intelligence Network

Concept Demo





SAP Data Hub for Connecting Data Silos





Data Transparency

Difficulties in managing and orchestrating data across distributed data landscapes

74%

of enterprises say their data landscape is so complex that it limits agility

Enterprises are sitting on a data treasure trove which they can't unlock



Data Innovation

Complexity in synthesizing data from distributed data landscapes for machine learning training, and IoT use cases

86%

of enterprises claim that they are not getting the most out of their data



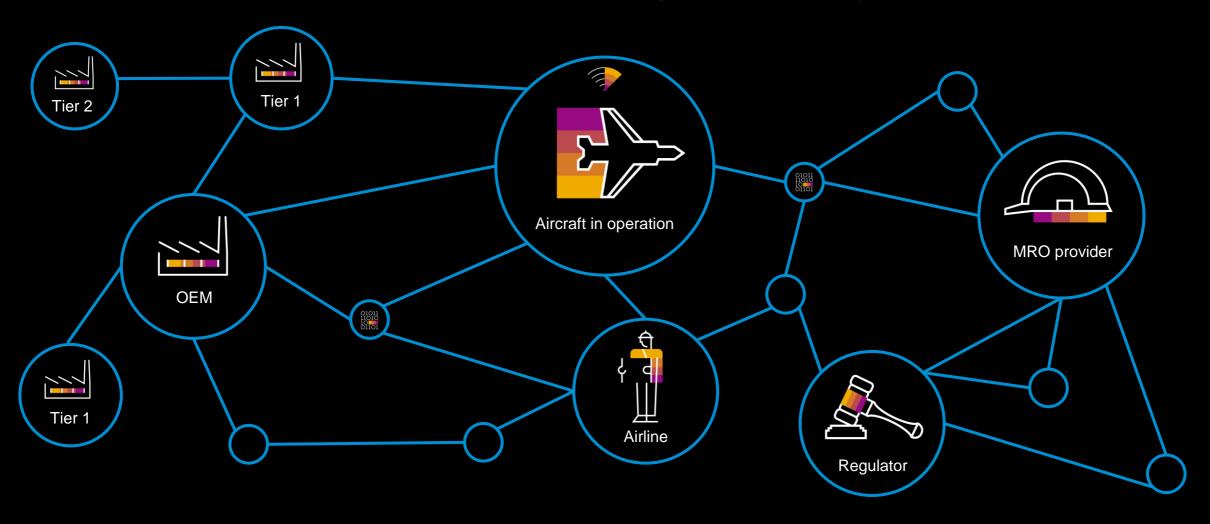
Data Compliance

Enforcing a multitude of corporate and regulatory data policies is becoming a burden and risk for enterprise IT

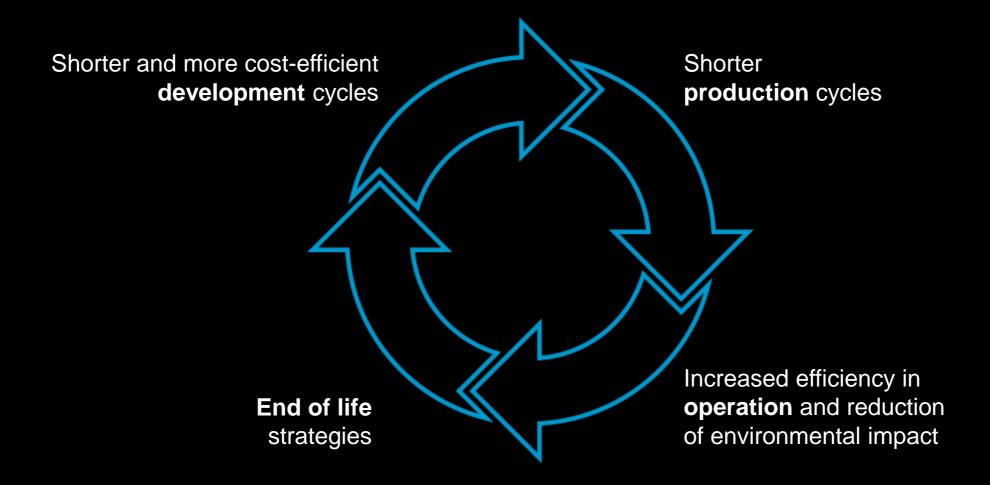
4%

of annual turnover can be fined by the EU for violating GDPR regulations

It's about creating a win-win situation to get more insights



Network of digital twins to drive business outcomes



Thank you.

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