## **SIEMENS**

#### **DIGITAL INDUSTRIES SOFTWARE**

# **Innovate the future aircraft:** rethink next generation aircraft engineering

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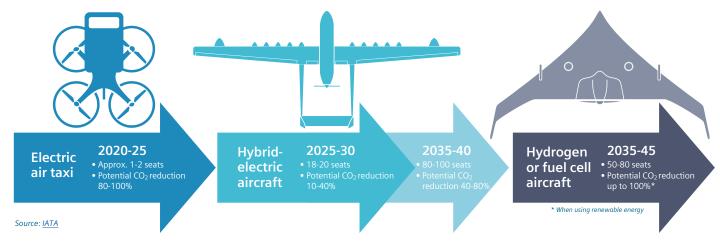
#### Making flying sustainable

Tackling climate change remains a top priority for the aircraft industry source: IATA

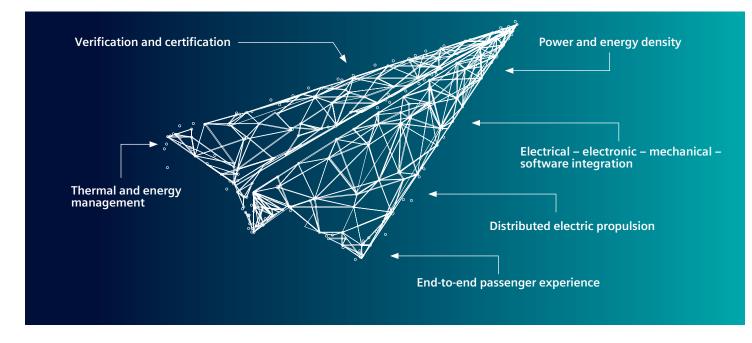


### Electrifying the propulsion of future aircraft

Fully electric aircraft can eliminate CO<sub>2</sub> emissions in aircraft operation\*.

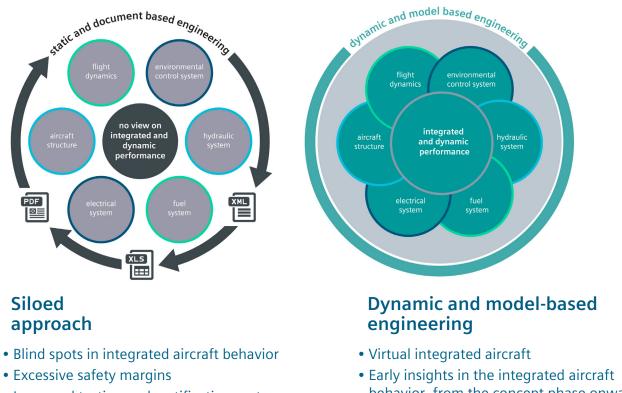


### Electrification adds new complexity to the engineering process



#### Increase collaboration to successfully engineer innovation

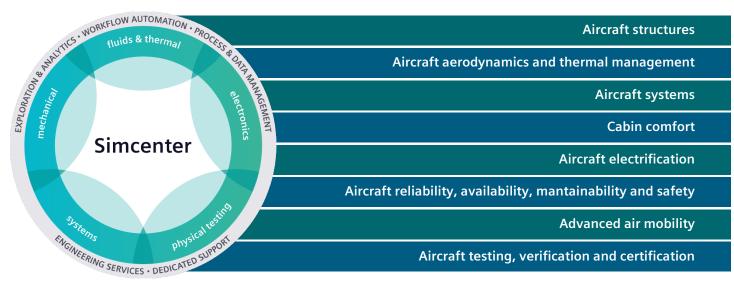
Remove silos with model-based systems engineering and unlock the potential of the digital twin and thread



- Increased testing and certification costs
- Late integration issues
- Compromised missions
- behavior, from the concept phase onwards
- Less rework, effective model re-use
- Accelerated and digitalized certification

#### Fly it before you build it

Accurately predict all aircraft performance aspects, optimize designs and innovate faster, with greater confidence.



#### To learn more, download the white paper: <u>Designing the next generation of aircraft.</u>

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