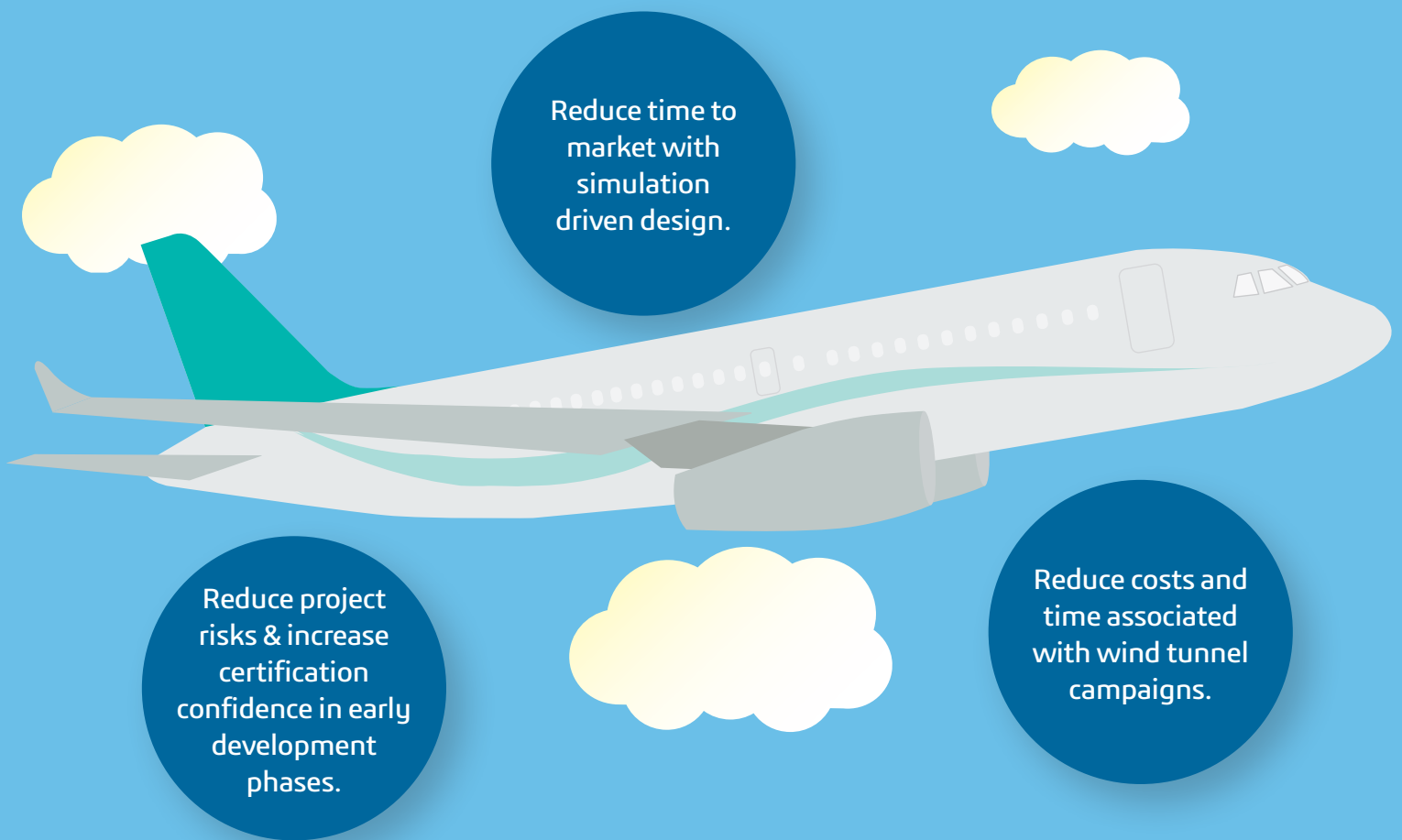


AIRCRAFT AERODYNAMIC PERFORMANCE

Flying High: State-of-the-Art Fluids Simulation Technologies Cover All Aspects of Virtual Flight Testing

Standard simulation tools are currently being used to test aircraft aerodynamic performance. However, these tools fail to deliver reliable performance predictions outside of the aircraft's normal cruise conditions, where complex geometric details must be included.

With Dassault Systèmes SIMULIA, accurate, fully complex simulations of the complete aircraft can be done over the entire flight envelope, early in the design and development process.



Air travel and traffic is at an all time high.

15.8 million
flights handled by FAA annually¹

859 million
tons CO₂ in 2017³

97 billion
gallons fuel burn in 2019²

Over 4.1 billion
passengers were carried by the world's airlines in 2017⁴