Aviation 2020

Key Opportunities

Light weighting of the aircraft

Growing customization and complexity

New propulsion concepts

Increased competition

Urban transportation

Design Solutions To Tap Key Opportunities

Electrification of air transport

Creating a holistic digital twin

Transforming the design, production, and service for greater business value

Optimizing the composite aero structures for performance and manufacturability

Growth In Budget Carriers Over The Last Decade



2.2%

13.4% North America Europe

24.5% Asia-Pacific Region

These Challenges Need To Be Overcome

Increased product complexity that arises due to the growth in electrical and electronic content and value in products

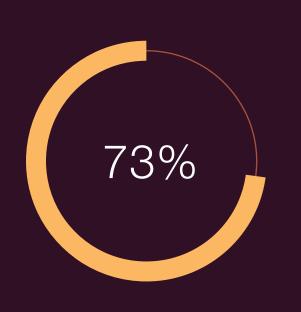
Customer demand for better products

Competing products

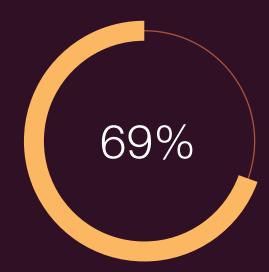
The pressure to keep up to the improved product maintenance or service

Globalization of the supply chains

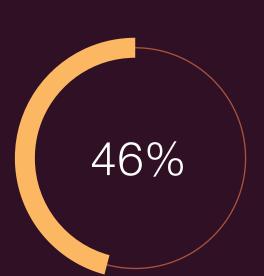
Challenges Faced



Electronics & Software core to product



Customer demand for better product



Competing products



Percentage (0-80%)

Improved product maintenance & service

Significant Trends Shaping The Airline Industry Over The Next 5 Years

Increasing passenger demand	7.19% to 4.1 billion
Boost in capacity addition (Available seat per miles)	6.3%
Decline in efficiency of operational metrics	Drop from 10.8% to 9%
High load factors that drives the revenue	80.3% to 80.6%
Ancillary revenue	In-flight Internet (54%) In-flight meals (19%) Entertainment (16%)



Visit: www.axiscades.com