World Science Forum - Budapest 2015

Axel FLAIG Head of Research & Technology AIRBUS

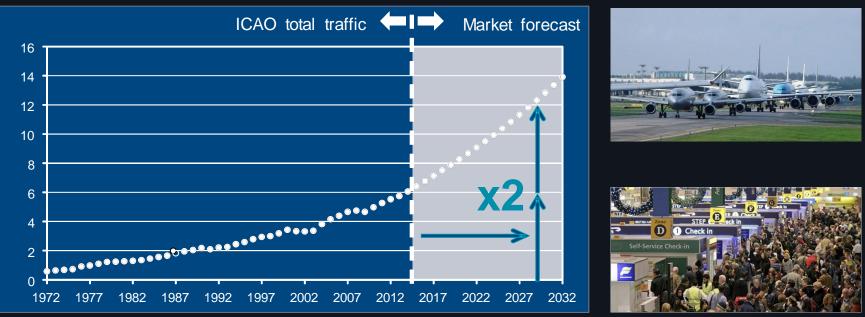
#### Innovation in Aviation

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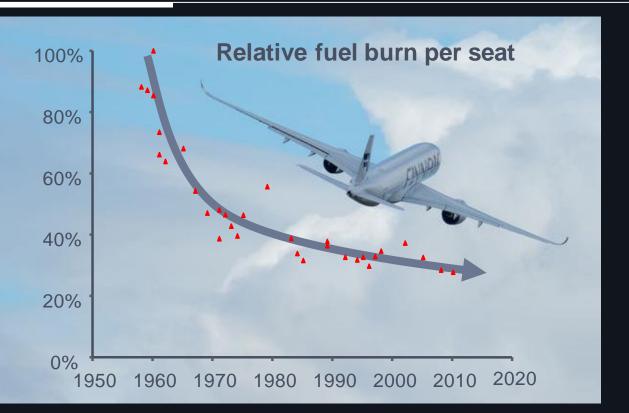
# The Challenge: Air travel is doubling every 15 years



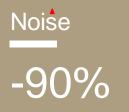
Source ICAO, Airbus



#### Aviation has achieved a lot since 50 years ...









### The goal: sustainable eco-efficient air transport





## Addressing the challenges through joint research initiatives

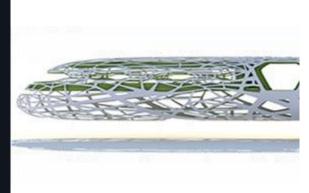


# Materials and structures

#### Advanced composite



#### 3D Printing & Bionic design

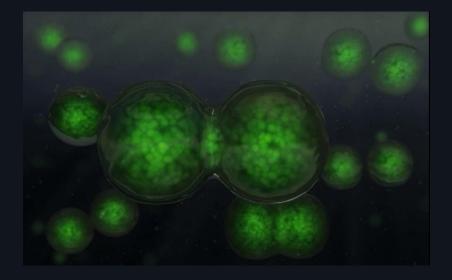


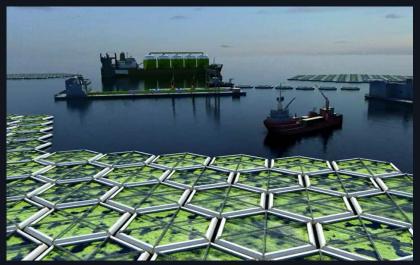
#### Printing Electronics





# Renewable fuel







# Novell configurations

# TurbofanAdvanced propulsionHybrid propulsionImage: Descent stateImage: Descent stateI



# The Future of Flight .....





# ..... Inspiring the next generation



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