



# Aviation – a pioneer in material sciences

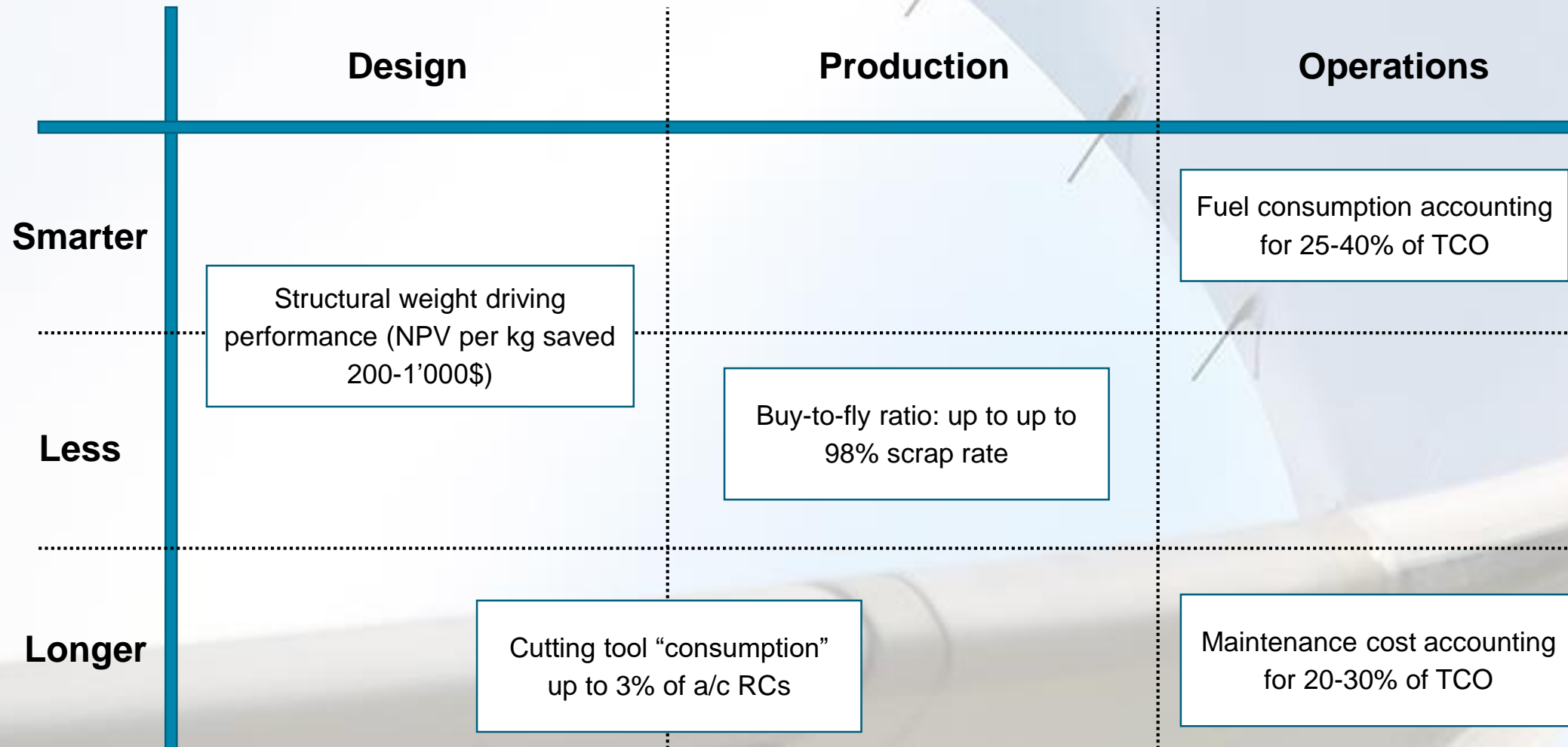
Klaus Richter, 14/06/2019

**AIRBUS**

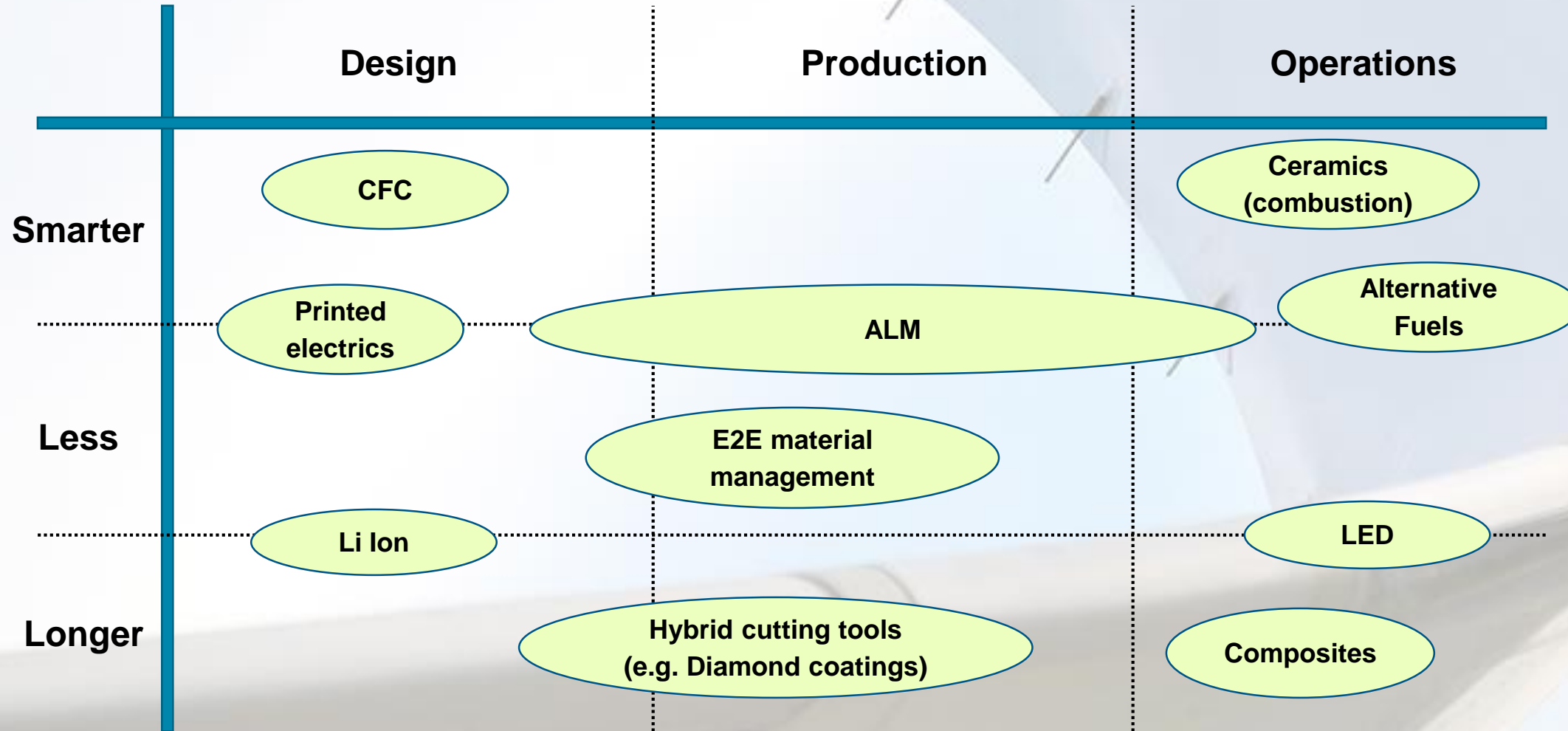
## The Aviation Market in a nutshell

- **Driven by Global Growth:** passenger traffic growing at 5% p.a. over decades, due to continued population and wealth growth
- **CO2 Challenge:** all new platforms will be subject to massive ecological targets (consumption, emissions)
- **Weight reduction paramount for product performance:** lightweight design and material technology are core in aviation since 100 years
- **Safety as a prerequisite:** high risk exposure and extremely high sensitivity of the public to accidents

# Aviation Performance Drivers along Product Lifecycle



# Use of Materials vs Product Lifecycle



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Thank you