



# **ELECTRIC AVIATION & FUTURE OF GENERAL AVIATION IN CHINA**

**德奥通用航空股份有限公司  
DEA GENERAL AVIATION HOLDING CO., LTD**

# 德奥通航

## DEA General Aviation

1. 中国通航 General Aviation in China Now

2. 我们的产品 DEA General Aviation Products

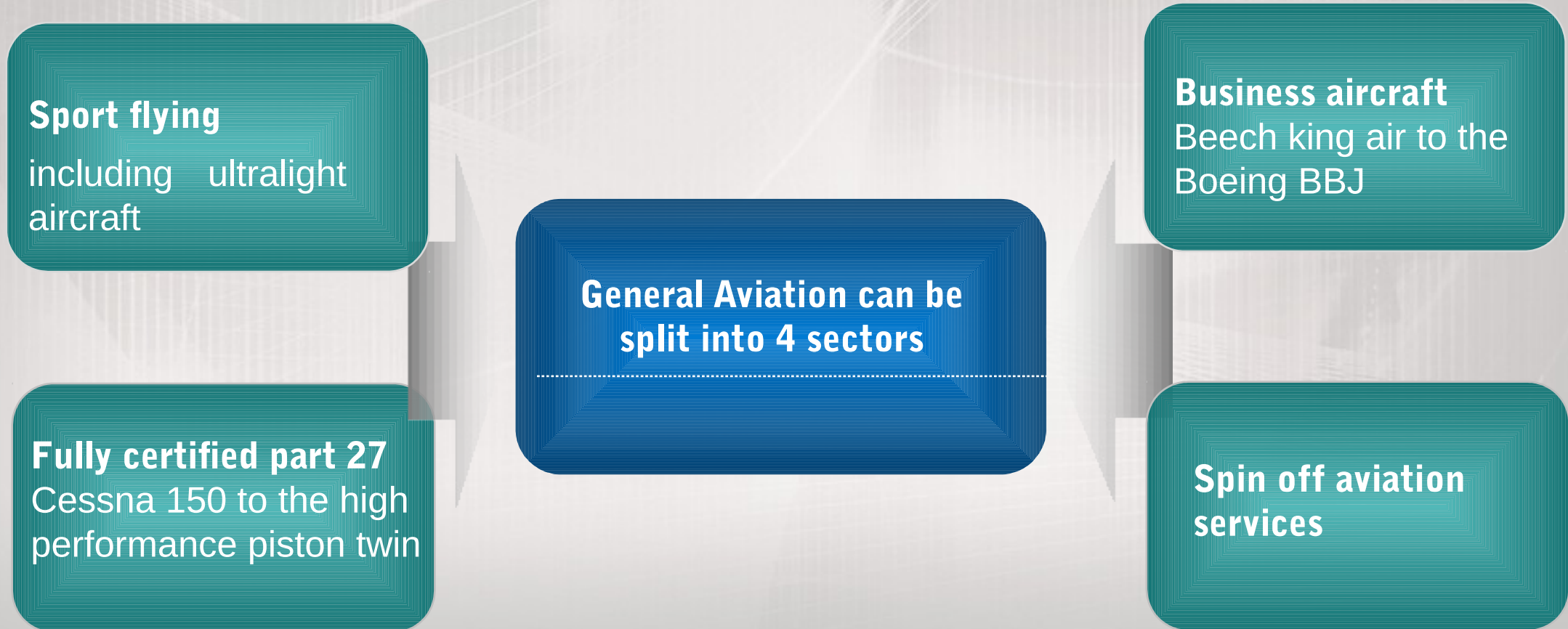
3. 全球技术爆炸 Global Technological Explosion

4. 中国通航的前景 The Future of General Aviation in China

# 1. General Aviation in China Now

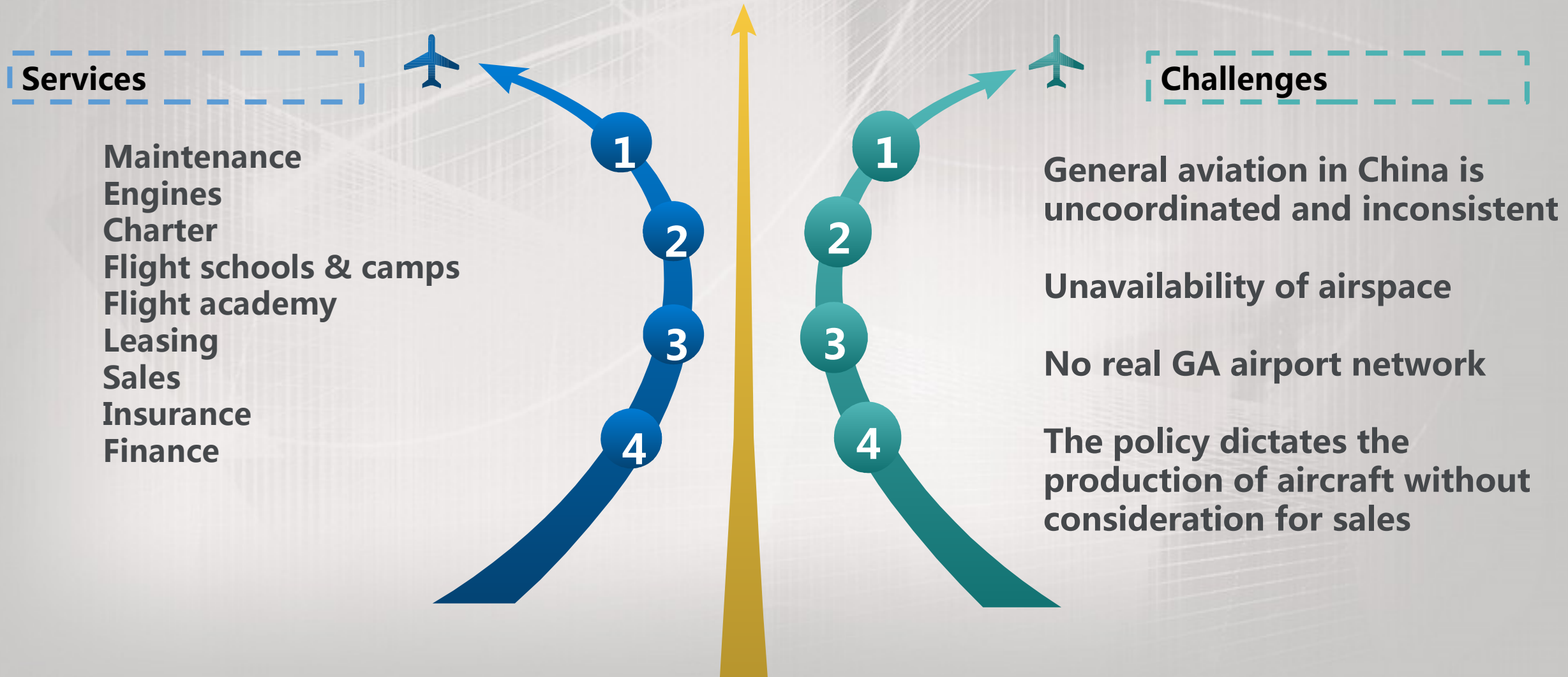
## What is General Aviation?

Any flying except UAVs, airliners and scheduled services



# 1. General Aviation in China Now

## Spin Off Aviation Services and Challenges



# DEA

## 完整覆盖的产品线

Complete and Integrated Product Line

产品种类全覆盖  
Integrated Product



Helicopter



UAV



Fixed Wing



Engine

产品类型全覆盖  
Complete Product Line



## 2.1 德奥通航 – 无人机 UAVs



Silent Falcon



RU300 AG



Schiebel



Skytrac



VA150

## 2.2 混合动力和电动系统 Hybrid and Electric Propulsion

### 混动 / 电动动力系统

- 低运营成本；
- 零排放污染；
- 噪音减免；



## 2.3 德奥通航 – 固定翼飞机 Fixed Wing (Electric Propulsion)



XTREMEAIR XA42  
特技飞行飞机  
培训 / 观光

XTREMEAIR IMPULSE 飞机  
培训 / 观光  
UL 超轻



- IMPULSE 是经过认证的超轻型飞机。有 3 种发动机可供选择：MISTRAL 转子发动机，电动动力系统和 HIRTH 发动机，可有效降低每小时飞行成本。
- XA42 飞机经 27 部完全认证的特技飞行飞机，主要用于专业市场。



## 2.4 飞行营地 “Flying Camp”

( 电动飞机培训 Electric Propulsion Training )

军队、安保机构飞行员筛选

AB-INITIO Pilot training - FAA 10hr dispensation

1

航校、飞行俱乐部等实践教学培训  
Helicopter training center of excellence

2

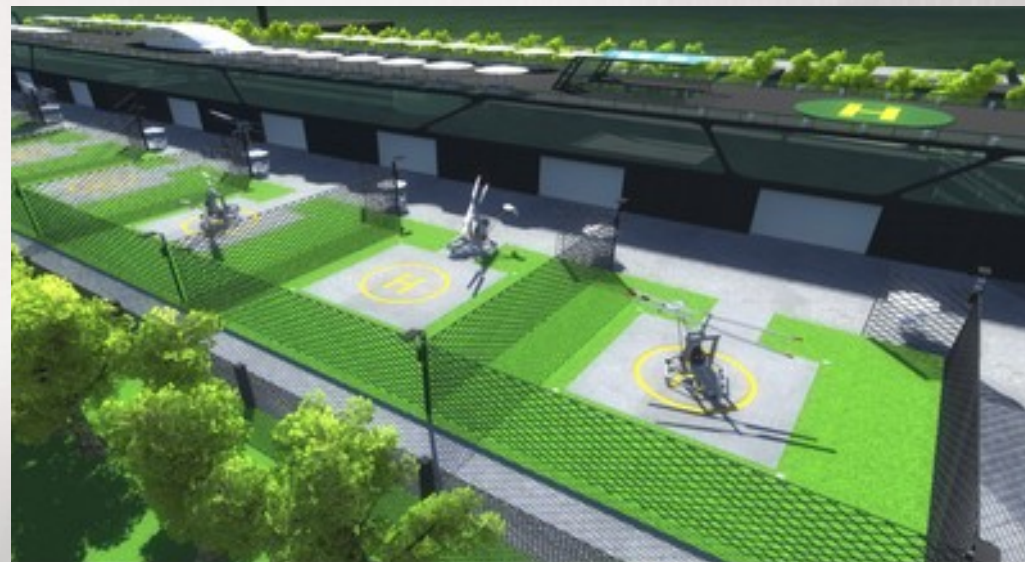


飞行员“回归基础”检验  
Pilot “back to basic” test

3

休闲娱乐、飞行体验项目  
Flying experience and amusement

4







TRAINING CENTER

TRAINING CENTER CONCEPT DESIGN



# 北京汽车运动中心直升机培训点 Autosport Helicopter Training Location Beijing





### 3. The Global Technological Explosion

**Internet changes business modes.**

MD of Daimler Benz competitors are no longer other car manufactures, but now Tesla, Google, Apple and Amazon.

Uber do not own any cars, but is the largest taxi company in the world.  
Airbnb do not own any hotels, but is the largest hotel company in the world.

In the USA, young lawyers do not get jobs due to on-line ' IBM Watson'obtaining legal advice within seconds with 90% accuracy.



### 3. The Global Technological Explosion

#### Other technology advances:

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#### 3D printing

Having your feet scanned and your shoes printed at home  
In China, they already 3D printed and built a complete 6-story office building.

#### Fully automatic agriculture

Farmers will become managers of their own fields.

Electric cars will become mainstream by 2021. Electric aircraft are next ---- will revolutionize aviation.

## ***4. The Future of General Aviation in China***

- ◆ **A MASSIVE MARKET (> USA WITHIN 10 YEARS)**  
**市场广阔**
- ◆ **GOVERNMENT INCENTIVES (FLYING CAMPS, AVIATION COMMUNITIES AND AVIATION-RELATED EDUCATION AND TRAINING...)**  
**政府支持**
- ◆ **NEW TECHNOLOGY (ELECTRIC PROPULSION...)**  
**新型技术的开发与应用**
- ◆ **MATURE PRODUCTION AND SALES IN GENERAL AVIATION**  
**生产和销售日趋成熟**

# ***Cicare SVH4 Trainer Video***

# ***Arrowcopter Gyrocopter Video***





# ***XtremeAir XA-42 Video Aerobic***

# ***Silent Falcon Video***

谢谢！



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“THE POWER OF DIVERSITY”