Regulations on New Techs

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Flying cars

LOW ALTITUDE ECONOMY

Electric Vertical Takeoff and Landing



Major players



XpengChina



JobyUS



- volocopter
- ► Germany

Flying cars

- Electric vertical takeoff and landing (EVTOL)
- Intertwined with AI and power battery industries
- \diamond 60% of eVTOL technology is related to EV.

Licenses required

- ► type certificate;
- production certificate;
- standard airworthiness certificate;

EH216-S

EHang's EH216-S has obtained the world's first type certificate, production certificate and standard airworthiness certificate for passenger-carrying pilotless eVTOL aircraft issued by the Civil Aviation Administration of China

First Production license

7 April 2024

EHang Secures Production Certificate from CAAC, Clearing Path for Mass Production of EH216-S Pilotless eVTOL Aircraft

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Low altitude economy

- Economy related to the use of manned and unmanned aircrafts, such as drones, eVTOL, etc.
- ▶ Flying under 1000 meter normally, within the range of 3000m.
- In December 2023, the central government in the economic meeting, listed it as a strategic emerging industry.
- Written into the Government Annual Report in 2024;

Low altitude economy in daily life



- Industrial application
- Inspect grid



- ► agriculture
- farming



- logistics
- Package delivering

application



- Detect forest fire and firefighting
- Reach the places that humans can't go



- Emergency rescue
- Transport medical supply
- Save lives



- Air travel
- Greatly shorten the travel time and cost



Application Plan of General Aviation Equipment (2024-2030)

keywords of the Plan

- SAM: Smart Air Mobility
- ► eVTOL
- ► Air mobility facility

The Plan



- Basic completion of air
 mobility infrastructure
- commercial use of driverless aircrafts on urban traffic, logistics, emergency rescue, etc.

Goal: 10 major enterprises 20 exemplar bases



- Comprehensive integrating into people's lives
- Growth engine for low altitude economy
- Achieve Billion dollar market scale

Infrastructure support, laws, aviation base, talent training

Aviation zone division



Rules

Shenzhen

- Shenzhen Low Altitude Economical Industry Promotion Regulation (深圳经济特 区低空经济产业促进条例)
- Pilotless Aircraft Aviation Administrative
 Provisional Regulations (无人驾驶航空器飞行 管理暂行条例)
- China Civil Aviation Law
- China Civil Aviation Regulation
- International Civil Aviation Treaty

Self-driving cars



robotaxis







► GM

Cruise



- Baidu
- Apollo

Intelligent and connected vehicle

- Data collection and processing
- ► Telecommunication
- Artificial intelligence

Regulations and risks involved

- ► Big data
- ► AI

Rules

Shenzhen Special Economic Zone Intelligent and Connected Auto Administrative Regulation effective as from 1 August 2022

Major liabilities

- Data collection
- ► Traffic accident: mandatory insurance, passenger insurance
- Product liability