



上和科技 | Harmony Tech Innovation Limited

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# Low-altitude Economy Status & Characteristics

# Production & Operations



## Features:

- Focused on improving efficiency, reducing labor costs, and suitable for complex or hazardous environment

**Public Services**

**Monitor & inspect for public assets**

**Emergency**

**Respond to emergency scenarios**

**Production**

**Increase production efficiency**



Road & Bridge Monitoring



Agriculture & Husbandry



Agroforestry



Electricity Inspection



Railway Inspection



Fire Fighting

# Transportation

## Features:

- Reconstruct the three-dimensional transportation network to alleviate urban traffic congestion
- Solve the problem of remote area transportation and other traditional transportation blind spots

### Cargo

Cargo sector focuses on operational scale and cost control

### People

Requires for airworthiness certification, airspace control, etc.



Agricultural Material Distribution



Blood Sample Distribution



Air Cab



Food Delivery



# Cultural and Sports Activities

## Features:

- Create new immersive consumption scenarios to enhance the visitor experience.
- Strong willingness of users to pay, flexible business model, various profit models

Cultural &  
Tourism

Create & add value to tourist  
experience

Sports

Exclusive experience

Education &  
Training

Building an ecology around training



Blimp Sightseeing



Aerial Photography



Drone Show



Live Sports Broadcast

# Low Altitude Air Traffic Management and Service Platform







# Low Altitude Air Traffic Management and Service Platform -- StarGrid



Low-altitude environment digitalization, airspace management, operation simulation, flight activities and flight plan registration, airspace application acceptance, flight dynamic monitoring, emergency response and remote control

- Setting up landing and take-off facilities in combination, rapidly generating flight paths, and accurately returning low-altitude flying object information (e.g., details of aircrafts, flying birds, etc.) in seconds
- Provide real-time airspace intelligence for low-altitude operation enterprises and safety guarantee for low-altitude airspace management
- Connect with government management system for digital city management









# First Low Altitude Flight Management and Service System in China



**June 2024**  
**Version 1.0 go live in Zhuhai**



**November 2024**  
**Version 2.0 go live in Zhuhai**



**October 2024**  
**Version 2.0 go live in Hong Kong**



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Standard 英文商報

Wednesday, November 6, 2024

# Local

**Lee leads push into mainland**

John Lee picks up a paragon of Hong Kong style with tea at the expo in the National Exhibition and Convention Center, North...

**Rachel Ng**

Hong Kong exhibitors at the seventh China International Import Expo, which began in Shanghai...

**Tech firm plots to low-altitude**

Shanghai-based Shanghe Technology enables drones to make food deliveries quickly by generating routes dynamically.

Its system also allows for real-time rerouting of drones, ensuring operational safety, according to chairman Jacqueline Kang Jordan.

Shanghe Technology, which launched China's first "low altitude airspace coordination and service system" in Zhuhai, is one of 106 exhibitors at the inaugural Super Terminal Expo at AsiaWorld-Expo yesterday.

Kang said Shanghe's system features flexible route planning for drones, enabling rapid assignment of routes and the ability to recall drones when safety concerns arise.

"Traditional low-altitude management systems rely on fixed air routes for larger aircraft and helicopters," Kang told Sing Tao Daily, sister publication.

**“中枢神经”已搭建！护航珠海低空经济安全平稳飞行**

观海融媒 2024-07-02 21:07

随着低空经济的火热发展，愈发忙碌的低空像是空中的高速公路，既没有红绿灯，也没有“飞行交警”，未来数量繁多的飞行器如何飞得井然有序且安全高效呢？专业人士指出，“抢跑”低空经济新赛道，需要构建好低空空域交通管理体系，做好管理与服务，才能确保对低空空域的安全化利用，并实现利用效率最大化。

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要聞

上和科技解決安全隱患 冀打通中港跨境飛行

【本報記者 王曉明 上海報導】在日前舉行的「2024低空經濟發展大會」上，上海上和科技集團展示了其自主研发的低空交通管理系統。該系統旨在解決低空空域的安全隱患，並促進中港跨境飛行的發展。

會上，上和科技集團董事長王曉明表示，該集團致力於推動低空經濟的發展，並通過其先進的技術，為低空空域的安全飛行提供保障。他指出，該集團的低空交通管理系統已經在多個場景中得到了應用，並取得了良好的效果。

此外，會上還展示了上和科技集團的其他產品和技術，包括無人機、飛行器等。這些產品和技術將進一步推動低空經濟的發展，並為人們提供更加便捷、安全的飛行體驗。

随着低空经济的火热发展，愈发忙碌的低空像是空中的高速公路，既没有红绿灯，也没有“飞行交警”，未来数量繁多的飞行器如何飞得井然有序且安全高效呢？专业人士指出，“抢跑”低空经济新赛道，需要构建好低空空域交通管理体系，做好管理与服务，才能确保对低空空域的安全化利用，并实现利用效率最大化。

近日，记者在“珠海低空经济高质量发展媒体调研行”过程中看到，珠海已率先搭建起全国首套低空空域协调及运营服务平台，并于6月30日正式上线珠海市低空空域交通管理服务平台，“护航”珠海低空经济不仅飞得快、飞得欢，更飞得安全飞得稳。

黄偉倫：努力擴大航空網絡 讓大灣區貨物高效率





# THANK YOU

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