

VariFlight[®]

Global-Leading Aviation Data Intelligence & Analytics

飞友科技有限公司
Feeyo Technology Co., Ltd.





VariFlight Data Services

Empowering **Operational
Efficiency** and **Revenue
Growth** with Aviation Intelligence
and Analytics

Unleashing the Power of Aviation Data

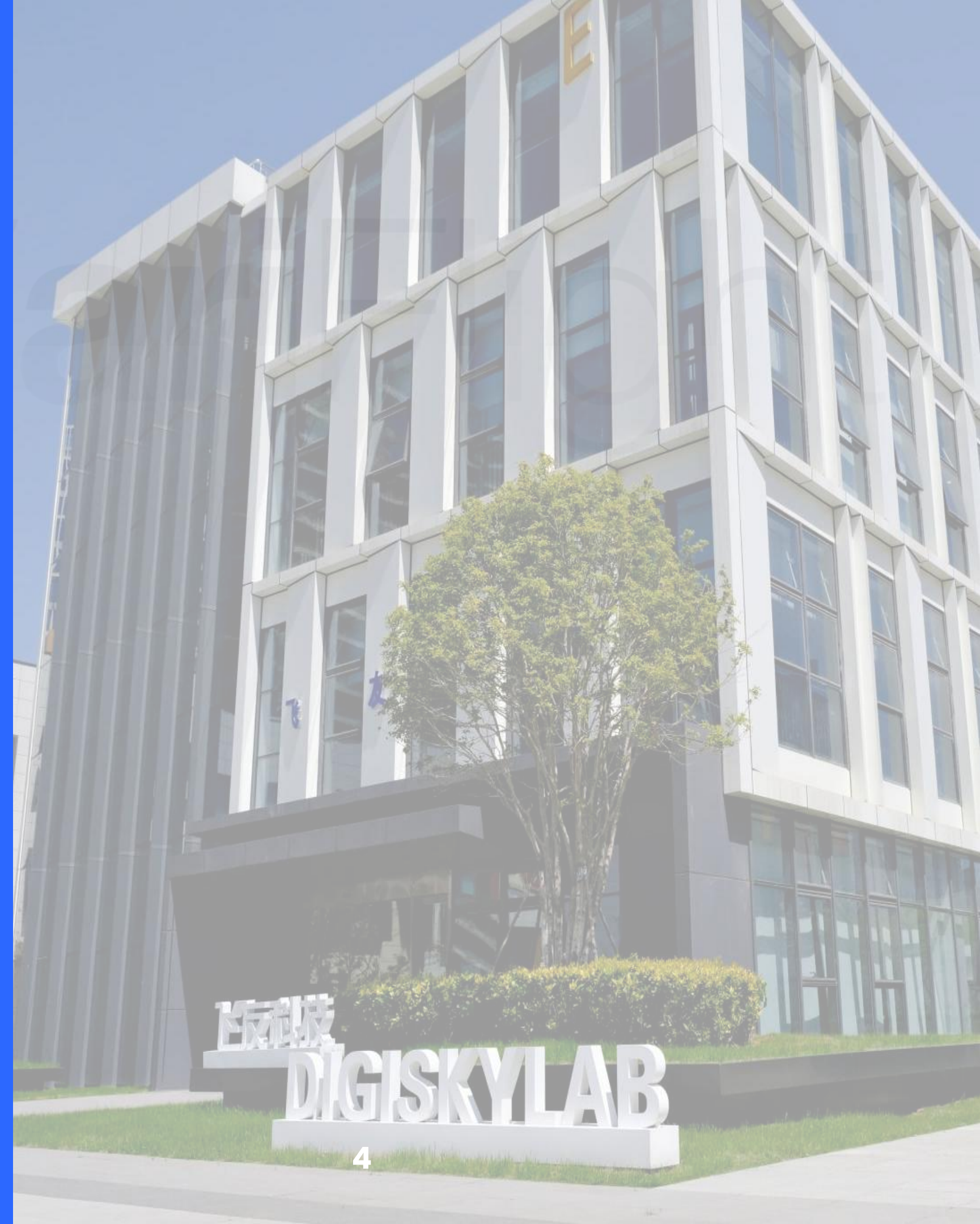


Build Data Application Capabilities

Leverage our high-quality aviation data to deliver actionable insights and winning strategies, driving business growth and client success.

Enhancing Travel Experiences with Data-driven

VariFlight flight data drives innovation in travel, including flight status, in-flight amenities, flight operation data, and more, enhancing the travel experience.



Industry

Air Travel

- Including OTAs, TMC, Travel Tech, Meta Tech, etc.
- Provide real-time flight status and in-flight info updates to your travellers

Mobility

- Enhance airport transfer efficiency
- Elevate booking experience
- Enrich Over-the-Air programming features

Airlines

- Close-knit data partnership
- Overall analytics and consulting services for airlines
- Consistently strengthen passenger services

Air Freight

- Enhance the capability to meet delivery commitments consistently
- Optimize the digitization of shipping management.

Finance

- Including Asset Management, Insurance, and Aircraft Leasing companies
- Contribute to building practical economic models

And More

- Airports
- Governments
- Technology companies
- Hotels, etc.

Partners

amadeus

Flight disruptions challenge the travel industry as growing capacity strains complex airline networks. We're proud to partner with VariFlight to deliver advanced schedule monitoring for millions globally.

UBS

VariFlight is one of our most reliable data technology providers, they help us to get an overview outlook in our daily analysis.

CEIC

VariFlight's high quality data sets are quite crucial to supplement our macro economic statistics, it helps us to dive into the alternative research related to the transportation sector.

AVIS

AVIS has been committed to providing users with convenient, comfortable, assured, and safe travel experience. This cooperation with VariFlight upgrades our online airport transfer service as well as improves operation efficiency.

1,000+ partners from 30+ countries & regions

amadeus

Trip.com

make my trip

Ctrip

KIWI.COM

eDreams ODIGEO

ixigo

skyscanner

CWT

tiket.com

BOEING

AIRBUS

Lufthansa

SINGAPORE AIRLINES

AirAsia

QATAR AIRWAYS 卡塔尔航空

AIR CHINA

AVIS

DiD

Allianz

HUAWEI

Tencent 腾讯

About VariFlight

Leader in Civil Aviation

- A leading provider of aviation data services, delivering rich data info to over
- **300** million passengers worldwide
- Tracking over **97%** of global commercial flights, including more than the last **ten years period** on a global basis, and flexible business cooperation way.

Understanding Global Service

- Headquartered in China, with subsidiaries in Singapore, Hong Kong, and other locations, it covers the **global** market
- **1,000+** partners from **30+** countries®ions

Excellent R&D and Tech Capabilities

- A team of over **380** professionals
- With over **20** years of experience in the aviation industry.
- Featuring extensive copyrights, academic publications, and a postdoctoral research station, among other achievements.

Data Source

1,000+

Airlines

12k+

Airports

170K+

Daily Flight Tracking

ATC

Air Traffic Controls

Our global network of ADS-B receivers serves as the primary source for live flight tracking data.

Moreover, the direct interfaces between our data centre and the systems at airports, Air Traffic Controls (ATCs), and airlines ensure the precision and reliability of our data products.



2 Products

◀◀◀ Data Products

Flight Status Data

Flight Happiness Index

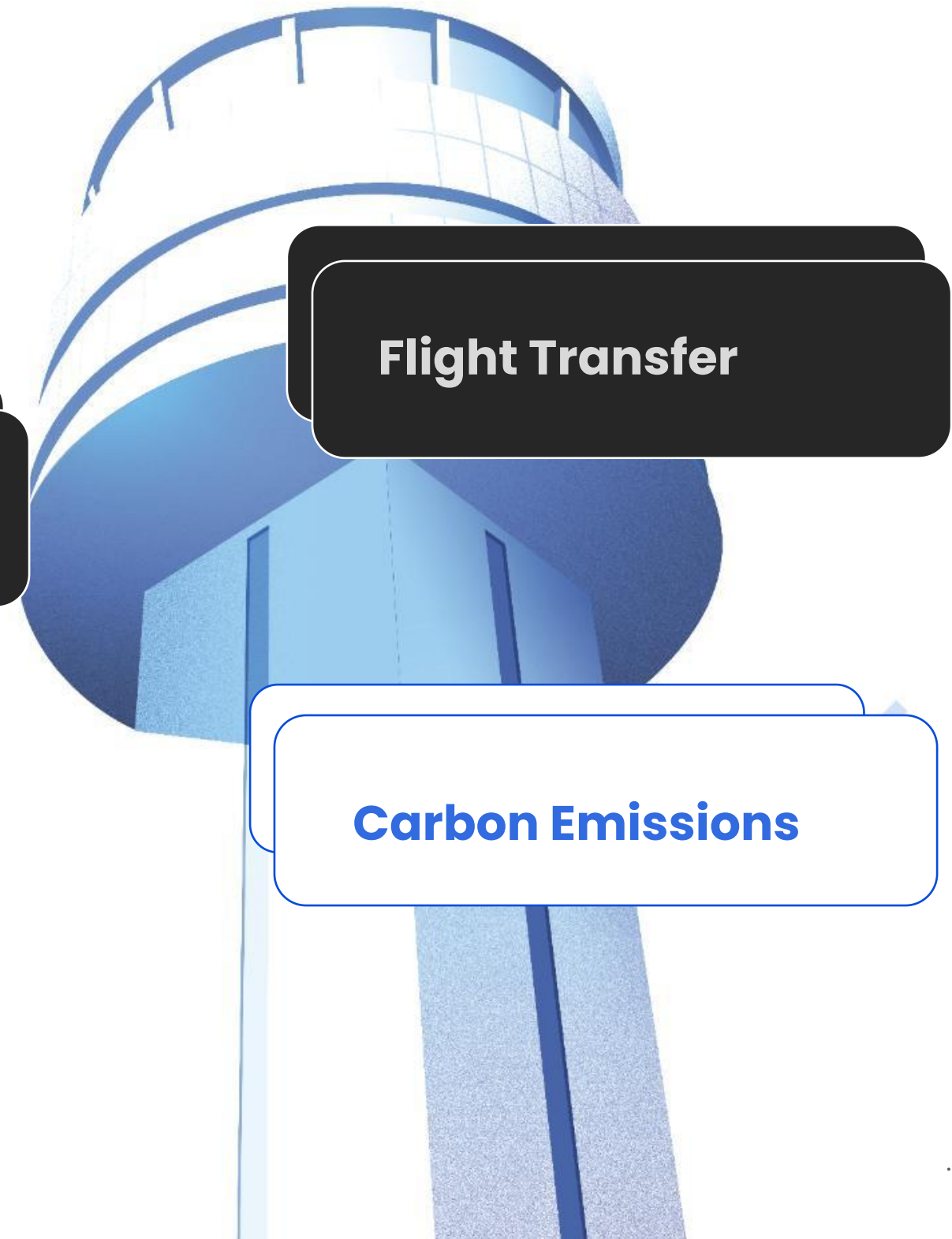
Data Insight & Analyzers

Insightful Data Sets

Flight Transfer

ADS-B Tracking

Carbon Emissions



Flight Status Data

Streamline your flight booking management flow and boost air travellers experiences with VariFlight Easy-To-Integrate Rich Flight Status Data

- Historical Flight Status
- Real-time Flight Status
- Flight Alerts

VariFlight®

Flight Status (All times are in local time)

SQ321
Singapore Airlines

23-Dec-2024 **Arrival**

LHR Heathrow **VariFlight** SIN

Flying time: 12h28m
Flying Distance: 10860KM

| Scheduled Departure | VariFlight Estimated | Actual Departure | Scheduled Arrival |
|---------------------|----------------------|------------------|-------------------|
| 22:05 | 22:32 | 22:31 | 19:00 |

| Terminal | Check-in Counter | Boarding Gate | Terminal |
|----------|------------------|---------------|----------|
| T2 | A | B44 | T1 |

Flight Details

Aircraft Type: **Boeing 777-300ER**

Aircraft Age: **17.8 years**

On Schedule **11**

Smartphone App Display:

10:52 5G 99
UK8012 VariFlight
Departure It is expected to arrive in: 1hr 45 mins
Total distance: 5330km Flight Duration: 6hrs 15mins
Singapore Changi T3 Actual Dep **09:58** Local
Narita T1S VariFlight Estimated Arrival **17:13** Local
Schedule 11/14 09:20 11/14 09:20 Schedule
Check-in Counter: **03** Boarding Gate: **A12** Baggage Belt: **12** Arrival Gate: **38**
Economy Class
Incoming Flight
Current flight is today's **First Departure**
*The first flight for the plane
Flight Record Pro* Past 30 Days
Delay: 3% | Cancel: 0%
33m 21m 4m 8m 22m 2m 10m
early 11/07 11/08 11/09 11/10 11/11 11/12 11/13

```
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  "FlightNo": "UK8012",
  "FlightCompany": "Vistard",
  "FlightDepcode": "SIN",
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  "FlightDeptimePlanDate": "2023-11-2",
  "FlightArrtimePlanDate": "2023-11-24",
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  "FFlightArrtimePlanDate": "2023-11-",
  "FlightDeptimeReddyDate": ""
}
```

Flight Happiness Index

What do travelers value beyond airfares and schedules?

Paving the way for comfortable flight experience .Travel comfortableness is becoming a pivotal criterion and a key booking revenue growth driver for airlines and online travel platforms.



In-Flight Amenity Display

Seat Layout, Seat Pitch , Seat Angel, Legroom, IFE, Power Supply, Wi-Fi, etc.



Operational Data

Schedules, Airport Traffic, Weather, On Time Performance, Visa and Luggage Policy, Carbon Emissions, etc.



More Services

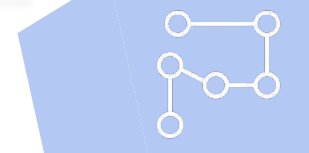
Food, Aircraft Type, Aircraft Age, FHI Comparison Rating, Service Level Rating, etc.

Flight Transfer

Enables travel businesses to streamline connecting flight management, optimize layovers, enhance customer experiences, and boost ticket sales by providing personalized itineraries for travelers across OTAs, meta search platforms, and other travel tech companies.

Streamlining **Transfer** for Travelers

Flex connecting plan



Multiple

MCT (minimum connection time) criteria



No airlines or alliance restrictions

Connection segments sync with real-time flight status

ADS-B

Real-time Aircraft Tracking

VariFlight's global ADS-B network tracks equipped aircraft, providing data to air transport partners to enhance operational efficiency and flight safety.

- Basic information of aircraft
- Flight tracking details

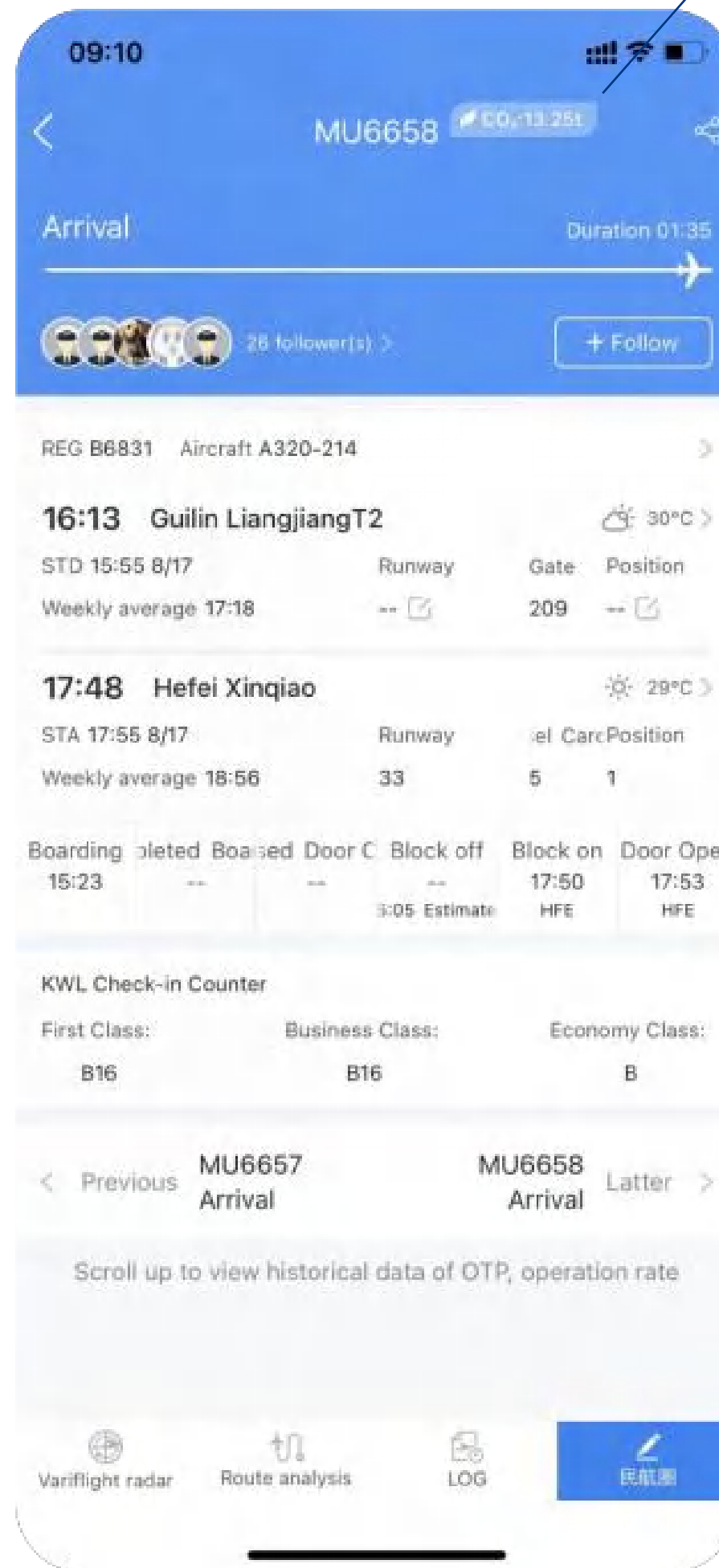
The screenshot shows the VariFlight ADS-B tracking interface for flight HX234. The main map displays the flight path from Hong Kong (HKG) to Shanghai Pudong (PVG). The left sidebar provides flight details: HX234 (CRJ234) operated by Hong Kong Airlines, with a scheduled departure of 21:00 and an actual departure of 21:20. The right sidebar shows aircraft information: REG BLPI, Age 11.9 Years, Region HK, and Aircraft type Airbus A320-214. The bottom sidebar displays flight information: Update time 2024/12/16 15:17, Longitude 121.80, Latitude 31.14, Ground speed 22.22 km/h, Vertical speed -3.58 m/s, Azimuth 73°, and Transponder Code. A 'Focus on flights' button is visible at the bottom right.

The screenshot shows the VariFlight Airplane Gallery website. The main heading is 'VariFlight Airplane Gallery' with the subtitle 'Leading airplane gallery in China'. A search bar is present with the text 'Search a flight by REG, type'. The gallery displays a grid of various aircraft, including a red and white plane, a blue and white plane, and a green and white plane. The bottom right corner of the gallery shows the tail number B-1453. The top navigation bar includes links for Home, Track data, My receiver, Share your data, Contribution, Airplane gallery (selected), My profile, and My contract. The bottom navigation bar includes links for Photos, My homepage, and Upload photos.

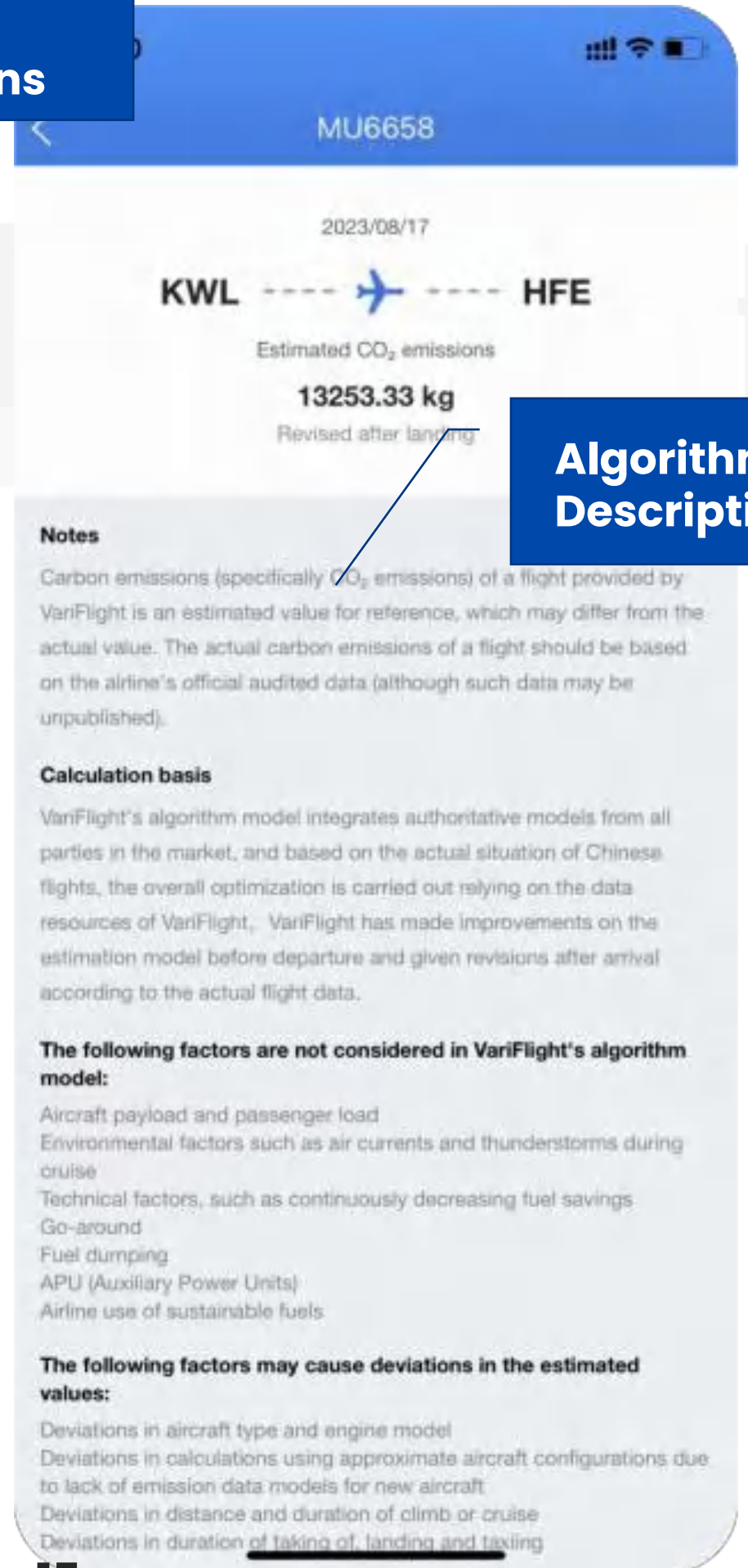
Carbon Emission

- Accurate carbon footprint monitoring using VariFlight proprietary algorithm.
- Precise carbon benchmarks and offsetting solutions.
- ICAO and EEA compliant – promoting sustainable aviation practices.

“Join us in the fight against climate change with our carbon emission initiatives!”



Estimated Carbon Emissions



Algorithm Description

Notes
Carbon emissions (specifically CO₂ emissions) of a flight provided by VariFlight is an estimated value for reference, which may differ from the actual value. The actual carbon emissions of a flight should be based on the airline's official audited data (although such data may be unpublished).

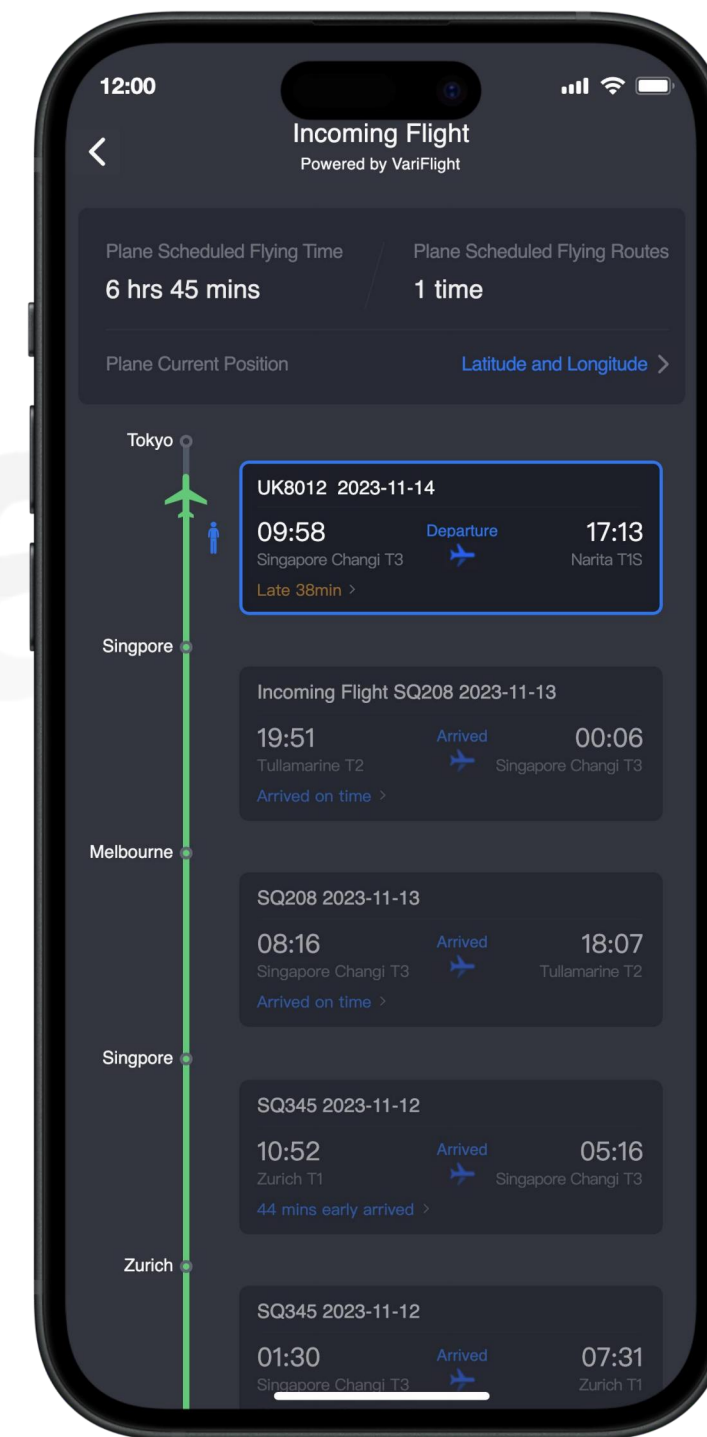
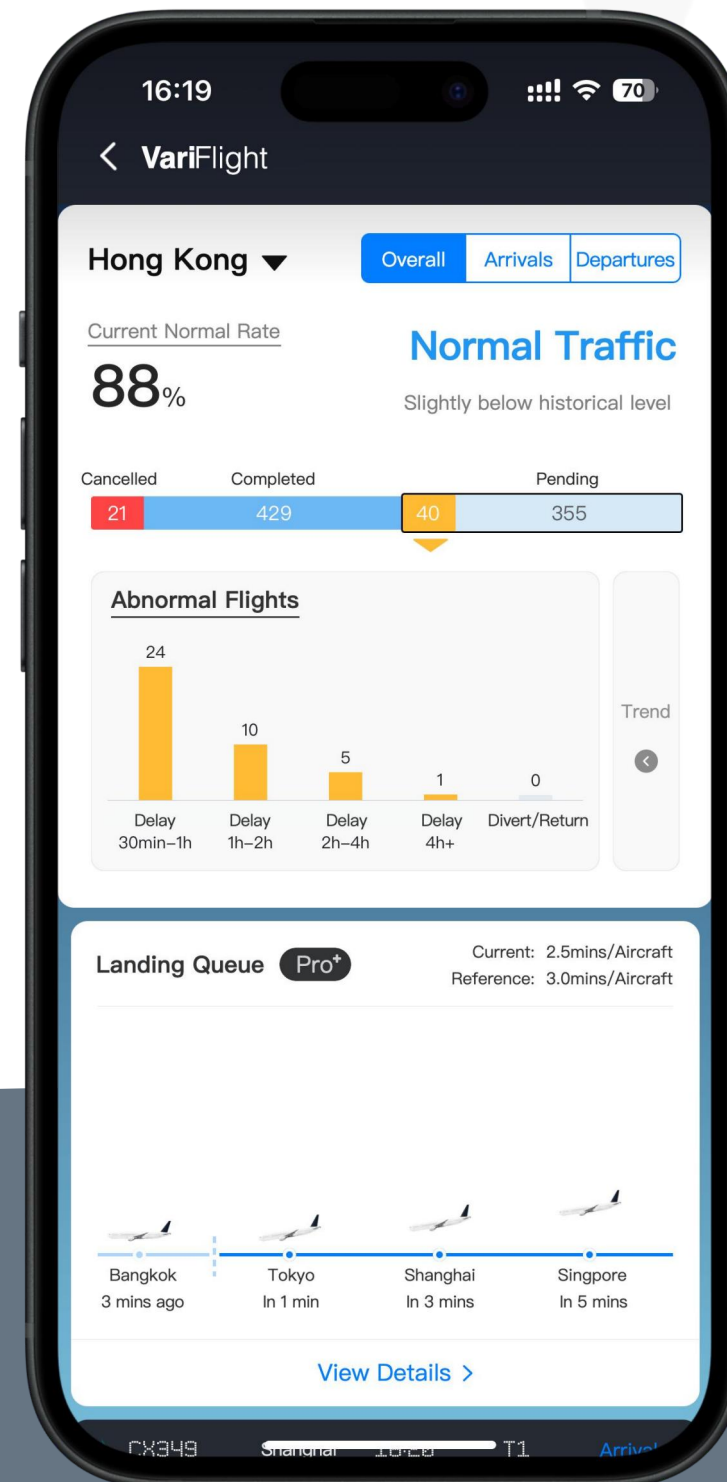
Calculation basis
VariFlight's algorithm model integrates authoritative models from all parties in the market, and based on the actual situation of Chinese flights, the overall optimization is carried out relying on the data resources of VariFlight. VariFlight has made improvements on the estimation model before departure and given revisions after arrival according to the actual flight data.

The following factors are not considered in VariFlight's algorithm model:
Aircraft payload and passenger load
Environmental factors such as air currents and thunderstorms during cruise
Technical factors, such as continuously decreasing fuel savings
Go-around
Fuel dumping
APU (Auxiliary Power Units)
Airline use of sustainable fuels

The following factors may cause deviations in the estimated values:
Deviations in aircraft type and engine model
Deviations in calculations using approximate aircraft configurations due to lack of emission data models for new aircraft
Deviations in distance and duration of climb or cruise
Deviations in duration of taking off, landing and taxiing

Insightful Data Sets

- Flight delay predictions
- Historical flight data analysis
- In-coming flight status
- Airport delay index
- On-time performance analysis
- Airport weather, etc.



Capacity Analytics

Route Capacity
Airport Capacity Route
Capacity Trends
Cargo Capacity, etc.

On-time Performance Analytics

Airline On-time Arrival
Performance, Airport On-time
Departure Performance
Other Historical Reports, etc.

Aircraft Analytics

Aircraft Type, Age,
Movements, Utilization
Aircraft On Ground
Tail nums Engines
Amenity configurations, etc.

Traffic Analytics

Estimated Pax Traffic
Passenger Load Factor
Single Flight Traffic Analytics
Routes Traffic Projection
Airlines Traffic Projection, etc.

Revenue Analytics

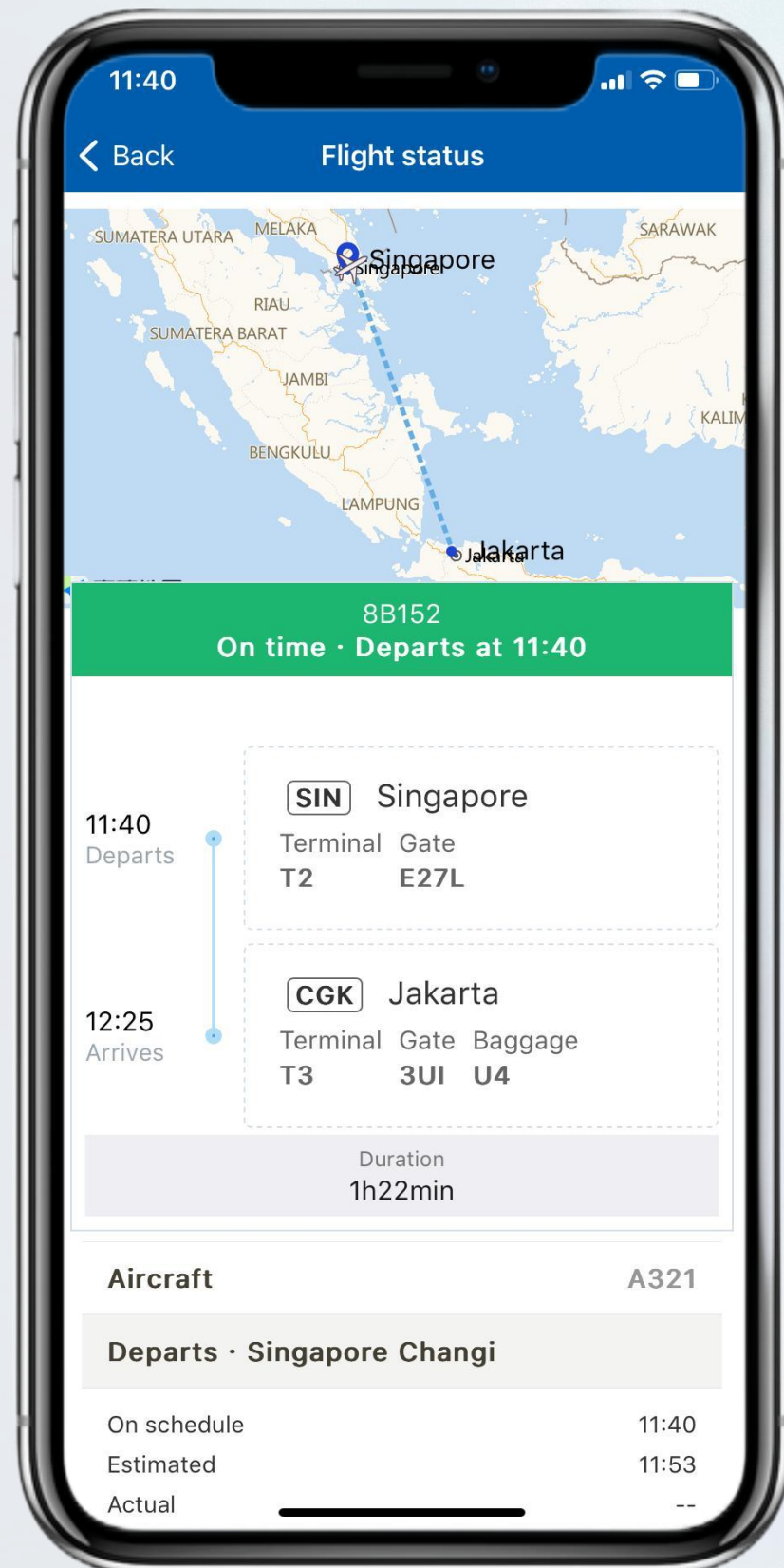
Average Fares
Revenue Passenger Kilometers
Certain Routes Turnover
Analytics, etc.

Flight Analytics

Flight Amounts
Scheduled Flights
Canceled Flights
Flight Completion Rate etc.

3 Use Case

Flight Status Data



Flight Status
Real-time
Updates On Mobile

eDreams seamlessly integrates VariFlight flight status data into its travel services.

By simply entering the flight number, eDreams users can effortlessly access real-time updates on their flight status, ensuring a smooth and stress free air travel experience.

VariFlight offers easy access to detailed information on over 97% of global commercial flights.

Flight Happiness Index

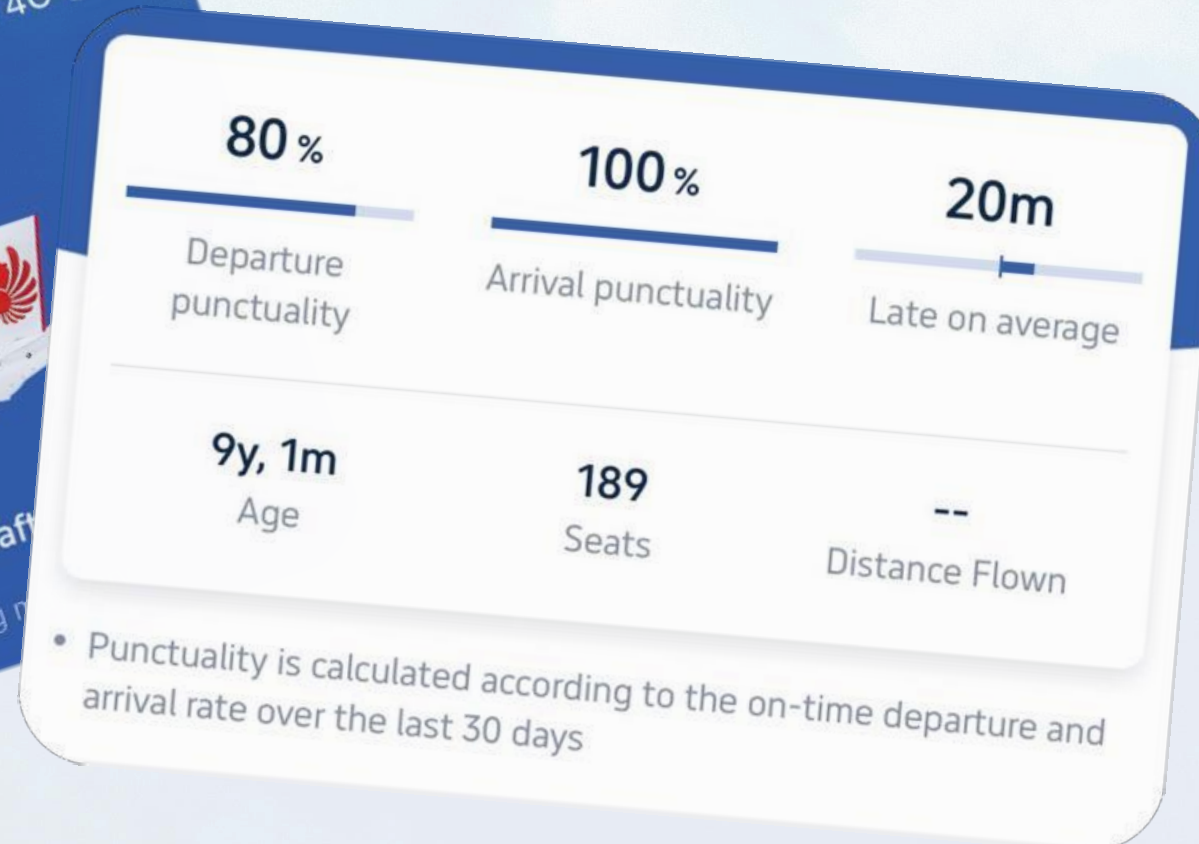
Trip.com

VariFlight®

✓ Easy to integrate

✓ Helpful travel guides

✓ Boost booking conversion rate



Economy

- None
- Inflight entertainment is unavailable
- Wi-Fi is unavailable
- No power outlets are available

*This information is for reference only and may vary from the

Seat Information

Comparison data is taken by comparing seats with others on the same flight route and in the same class

- 79 cm
More legroom than on 83% of flights
- 43 cm
Seat width better than on 83% of flights
- 90°
Reclining Angle

3-3
Seat Layout Ex

➤ Aircraft Leasing

➤ Civil Aviation

➤ National Defense

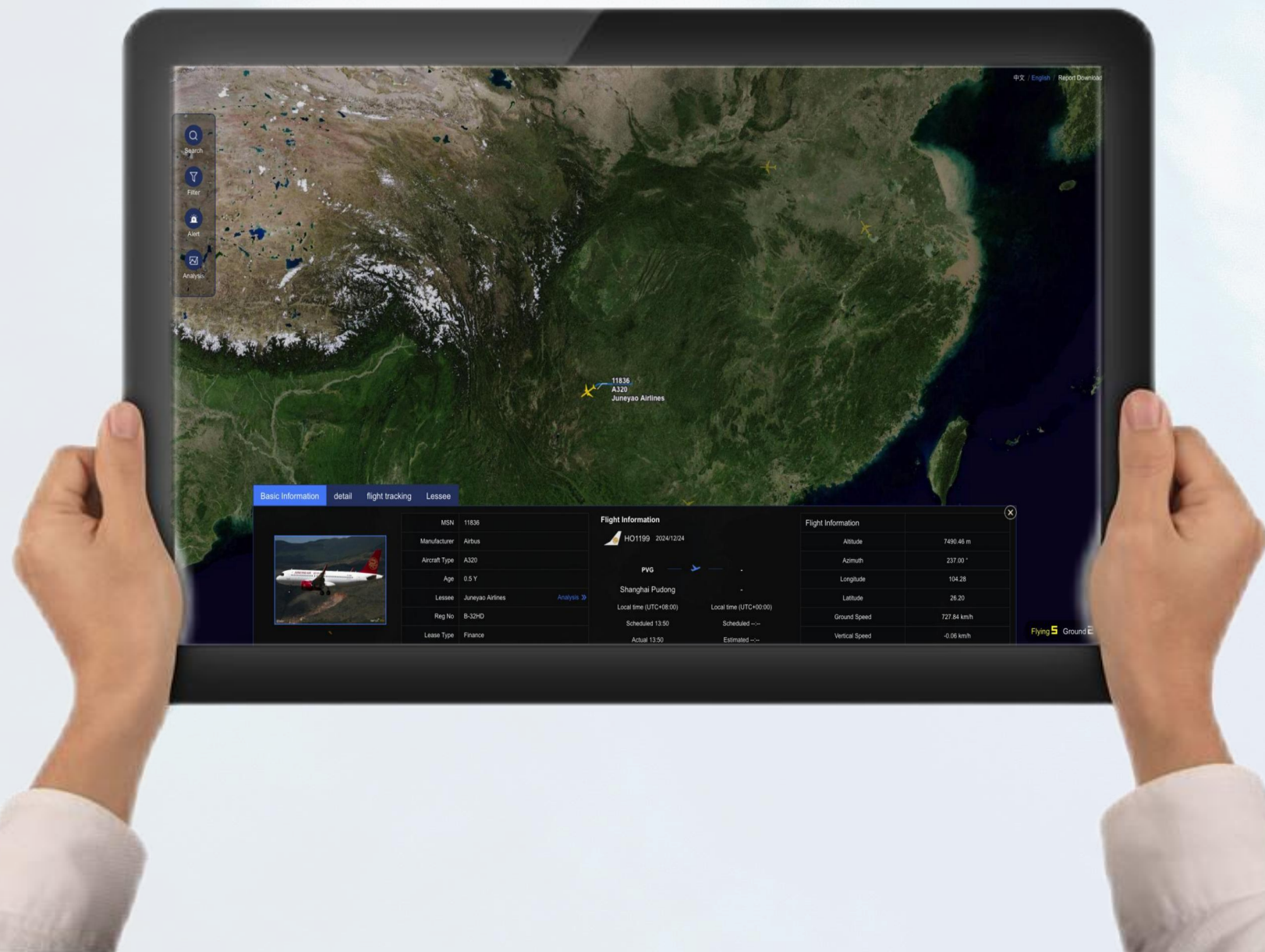
Analyze, evaluate, and control risks of your aircraft assets in real-time through VariFlight integrated monitoring system and aviation data solutions.

- **Keep an eye on your aircraft assets**

Our global ADS-B network empowers lessors with 24/7 fleet monitoring and detailed operational insights for dynamic risk management.

- **Manage your worldwide fleets visually**

Effortlessly manage global fleets with a tailored dashboard, gaining daily operational insights unavailable from operators.



Contact Us

Variflight



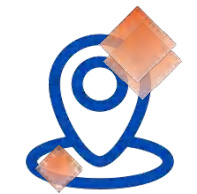
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User-oriented, Technology-driven

VariFlight[®]