AIR OPERATIONS MANAGEMENT
PLAN • FOLLOW • REVIEW

Automating your Flight Operations from *Start* to *Finish*

Since 2007 the **Air Operations Management** (AOM) software suite from **Apex Flight Operations** has set the benchmark for real-time aviation asset tracking and management. Used and trusted by humanitarian agencies, commercial operators and aircraft owners around the world, AOM covers all aspects of flight operations, with data export functions to your management systems to provide a seamless tool for start-to-finish oversight.
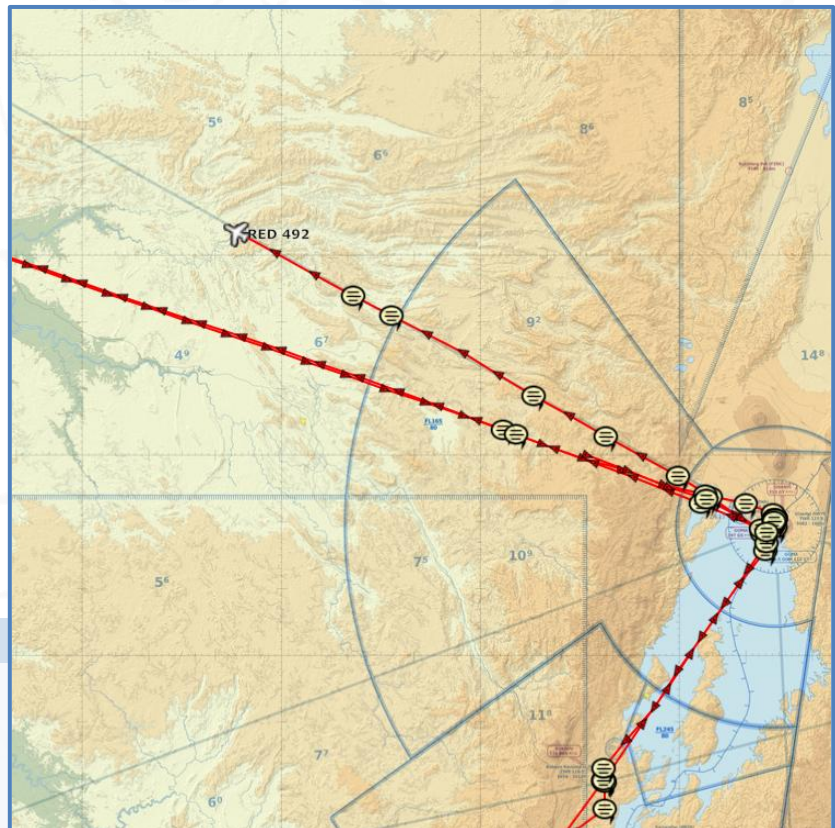
KEY FEATURES

→ Get a **Single Overview** of your entire fleet, regardless of the type of satellite tracking used

→ Improve **Flight Safety**, with multiple automatic checks and functions

→ AOM is linked to all major **Satellite Tracking** service providers, providing a seamless overview of flight ops

→ Display aircraft via **ADS-B** data reporting globally, including terrestrial and satellite sources

→ **Artificial Intelligence** (AI) integrated with OpenAI

→ Designed for Windows 11 – cutting edge system design and long life expectancy

→ Track on **Multiple Devices** – PC, Laptop, Tablet or SmartPhone, including iOS and Android apps

→ Manage all phases of flight operations - **Pre-Flight, In-Flight and Post-Flight**

PRE-FLIGHT FUNCTIONS

→ Flight scheduling, including in-flight waypoints
→ Import of flight plans from external tools
→ Planned Crew / Pax / Cargo manifests
→ Airfield management
→ Aircraft availability management

IN-FLIGHT FUNCTIONS

→ Real-time automatic Active Aircraft Safety Monitoring
→ Flight Following on Aviation or Satellite maps
→ Automatic Real-Time Tracking
→ Bi-Directional text communication between air and ground
→ Takeoff / Landing, In-flight Events
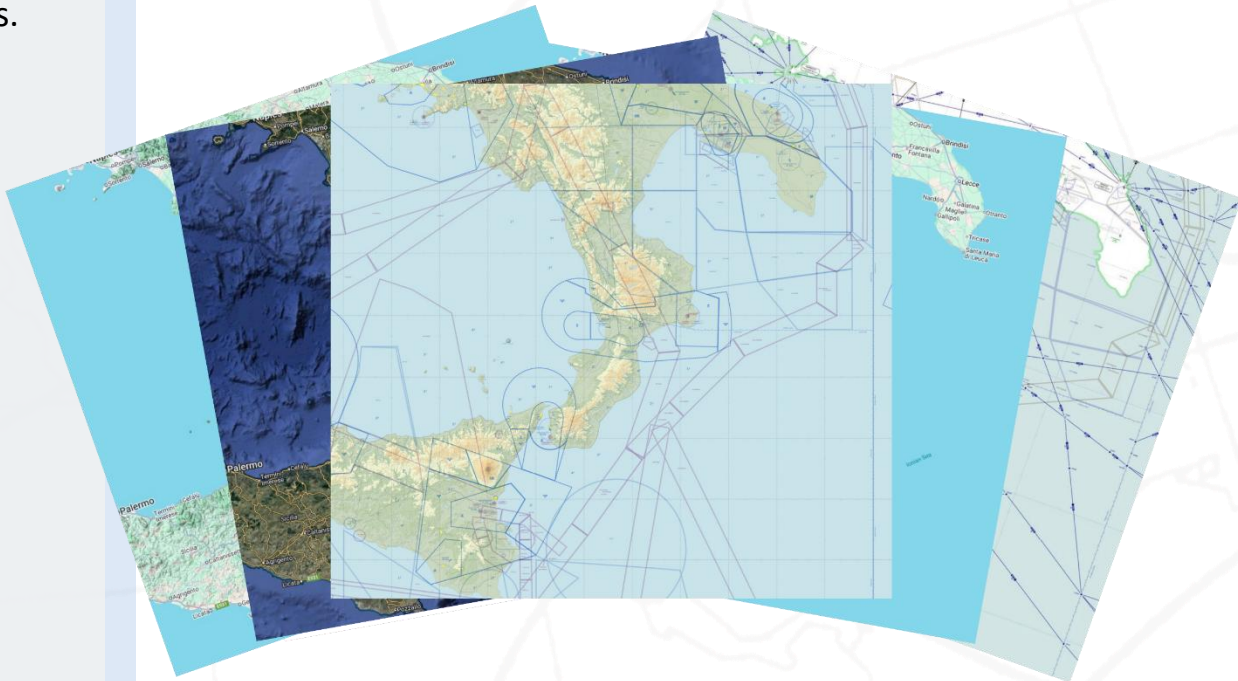→ Geofences and flight safety monitoring

Actual screenshots – client details protected

POST-FLIGHT FUNCTIONS

✈ Flight performance review of planned vs actual times
✈ Fleet, aircraft and crew operational statistics
✈ Comprehensive reports including performance, safety
✈ Automatic data exports to external crew, maintenance & billing systems

Actual screenshots – client details protected

MAP OPTIONS

AOM displays aircraft flight paths on worldwide high-resolution VFR, IFR-Hi and IFR-Low Aviation maps, as well as 2D satellite, terrain and provides an export function to 3D mapping tools. Multiple map windows can simultaneously display multiple aircraft, allowing the focused flight following of various flight locations.
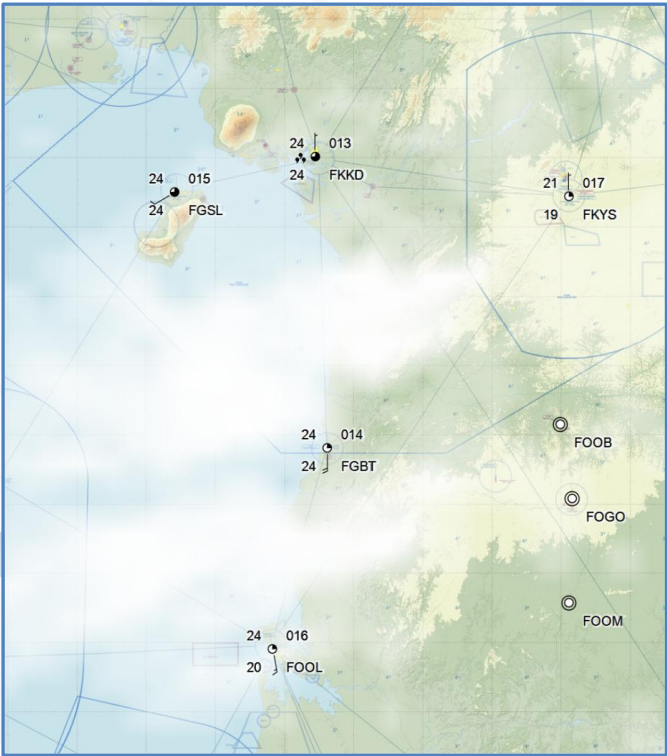

MULTIPLE OVERLAYS

AOM features multiple map overlays, including landing facilities, comprehensive flight schedule, on-time comparison and restricted airspace. Weather overlays from NOAA include cloud maps, METARs, TAFs, NOTAMs and PIREPs.
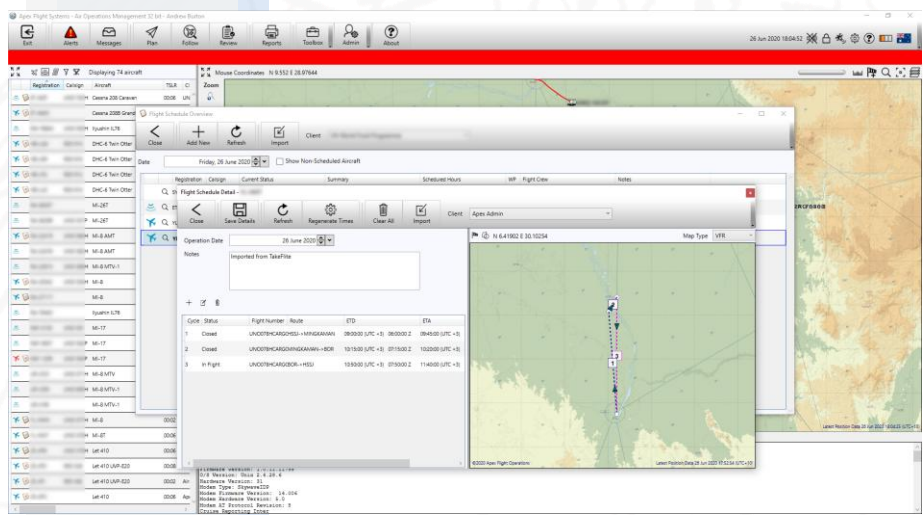
GLOBALLY COMPATIBLE

AOM is compatible with most leading aircraft tracking hardware systems, including:

✈ Apex Flight Operations
✈ Latitude Technologies
✈ Blue Sky Networks
✈ Guardian Mobility
✈ SkyConnect

✈ SkyTrac
✈ Flyht
✈ IndigoSat
✈ Spidertracks
✈ TracPlus

Aircraft fitted with the above can easily be added to your Air Operations Management fleet in minutes.

Actual screenshots – client details protected

FLIGHT SCHEDULING

AOM boasts comprehensive flight scheduling tools, which allow you to see your entire fleet's planned operations at a glance. Crew, Passenger and Cargo manifests are easily maintained, and any enroute waypoints can be monitored. Real-time ETAs, destination proximity and lateness warnings via SMS and email keep you informed on the progress of the flights.

FLIGHT FOLLOWING

Apart from the map overview of operational aircraft, the system also features automated and manual flight following tools, including real-time diversion points, waypoint monitoring and radio-call prompts.
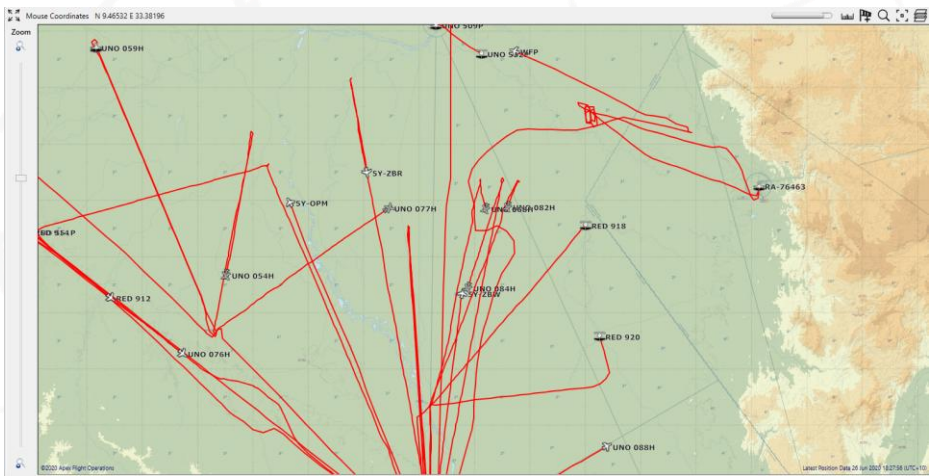
POST FLIGHT ANALYSIS

After each flight has been completed, a variety of reports and tools provide in-depth analysis of the operation, and the Flight Folio can be completed with additional details such as fuel records, flight reports and maintenance issues. This also features an accelerated replay of flights tracking throughout the operational day.

Actual screenshots – client details protected
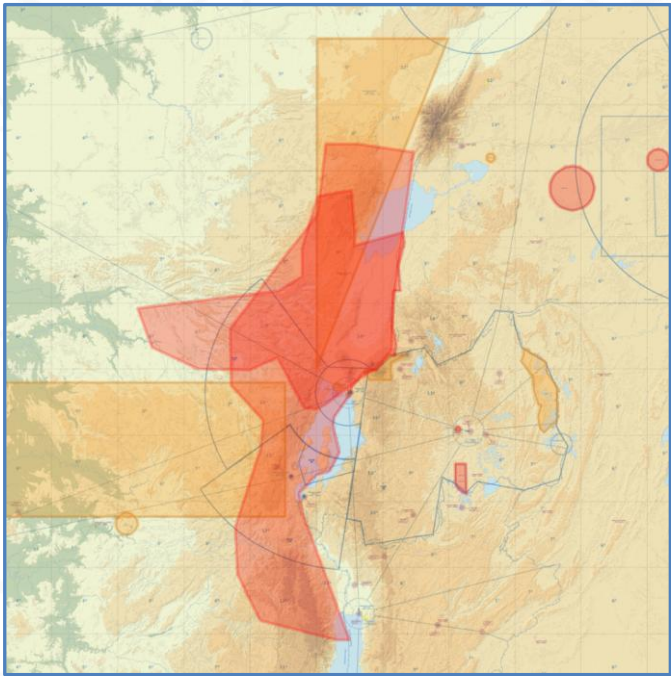
ADVANCED SAFETY MONITORING

In 2008, AOM pioneered Active Aircraft Safety Monitoring which will escalate alerts automatically (including via SMS and eMail) if an aircraft fails to report within the expected timeframe. Since then multiple safety features have been added, including real-time geofence violation detection, rate-of-descent excesses, flightpath deviation, missed waypoints and more. Any safety issues can be configured to automatically escalate through email or SMS to internal and external contact personnel.

HARDWARE INTEGRATION

Our software has a deep integration with most third-party aircraft tracking hardware systems available, meaning you can get full functionality out of your hardware without having to revert to a different software. Everything can be viewed and managed using our software, regardless of the hardware you're using.

ENHANCED WITH AI

Apex Flight Operations has remained on the cutting edge of flight following by integrating our solutions with Artificial Intelligence, bringing the next generation of predictive flight path modelling, flight review, trend analysis and flight safety analysis to the forefront.

AI can help predict safety events before they occur, and will continue to develop new functionality to benefit aircraft operators.
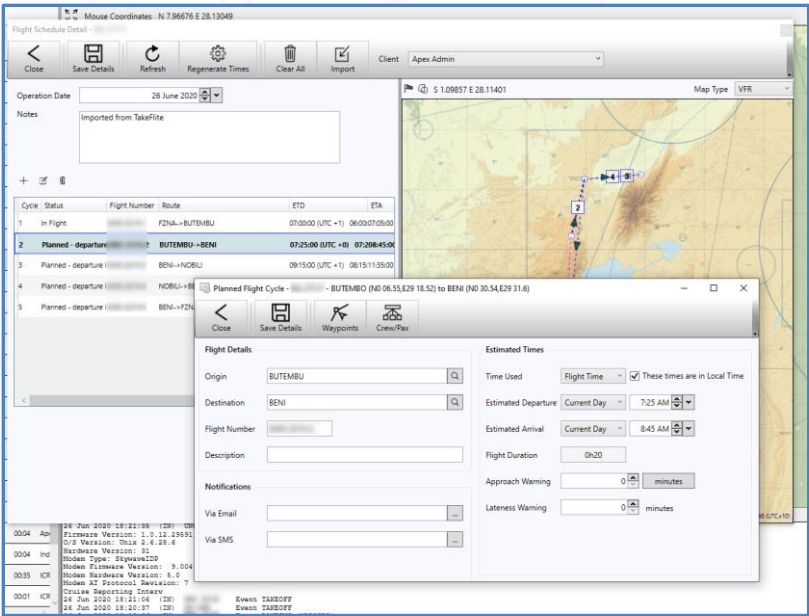

ADS-B DATA

AOM has integrated data from a variety of service providers of Automatic Dependent Surveillance-Broadcast information, and displays aircraft tracking data from both terrestrial and satellite origins allowing for the full tracking of aircraft without any specialised tracking hardware installed. All the rich functionality of the AOM software is available using ADS-B with the exception of bi-directional communication between the ground and aircrew.

FIND OUT MORE...

We welcome interest in our products, so contact us to arrange a free online demo, or set up a trial for your own fleet.

We also offer discounts to operators flying on behalf of humanitarian organizations, so contact us for more information.

You can also visit our website to view our hardware tracking systems available.

For pricing, fleet discounts and more information contact our team at sales@apexflightops.com, or visit our website to find a distributor in your region

"APEX PROVIDES COMPLETE OVERSIGHT OF OUR FLIGHT OPERATIONS FROM START TO FINISH"

APEX FLIGHT SYSTEMS
ADVANCED REAL-TIME AIRCRAFT TRACKING & MANAGEMENT SOLUTIONS