Global Data Center

Honeywell

Worldwide Aircraft Communications
and Flight Support Services

Your 24-hour partner for flight support services

KEEPING YOU IN TOUCH WITH YOUR WORLD

The leader in worldwide datalink communications for over 25 years, Honeywell's Global Data Center (GDC) is your partner for comprehensive flight support services. In addition to proven VHF and satellite datalink communications, the GDC also provides a wide variety of essential flight support services including our industry leading Flight Sentinel® service designed to help you fly more efficiently and avoid hazardous weather and ATC delays.

With flexible package pricing and multiple service plans, GDC services are the right fit for any size flight department. Discover for yourself why GDC customers in the corporate, fractional, air transport, and government aviation industries tell us that they depend on our unsurpassed reliability and relentless customer focus as critical contributors to their success.

Global Data Center Benefits:

- Full suite of air traffic services

- Worldwide VHF and satellite datalink communications

- Worldwide flight planning

- Graphical flight tracking

- Graphical and text weather

- Flight Sentinel Flight Following and trip concierge services

- Convenient access via phone, web or datalink

- Integrated international trip support

- Integration with scheduling tools

- Mobile device support

- 24/7/365 access to experienced flight data specialists

GRAPHICAL WEATHER PRODUCTS

- Categorical METARs (CATMETs)

- Ceilings, fronts, icing and hurricane charts

- Worldwide convective weather forecasts

- NEXRAD composite radar and historical replay

- Worldwide turbulence charts

- Significant weather charts
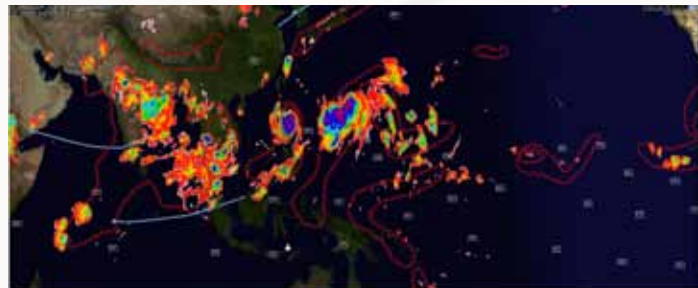
- Worldwide winds aloft

TEXT WEATHER PRODUCTS

- Area forecasts

- Digital ATIS (D-ATIS)

- International, FIR, and FDC NOTAMS

- ATC tracks

- PIREPS

- Route weather briefings

- SIGMETS

- Passenger weather

- TAF/METAR

- Transcribed Weather Information for Pilots (TWIP)

- Winds and temperature aloft

Accurately understanding global weather conditions, before, during and after your flight is key to maximizing operational efficiencies and passenger comfort. Honeywell's GDC provides a wide range of worldwide aviation and passenger weather products to supplement our comprehensive flight planning services. When threatening weather is a factor enroute, you will appreciate the convenience, enhanced safety and peace of mind that receiving weather updates via aircraft datailnk communications provides. While airborne, flight crews are able to request a variety of critical weather, wind and digital ATIS products from virtually anywhere in the world for immediate flight deck display.

Customers equipped with Honeywell Primus EPIC®, Honeywell NZ/AFIS and Collins Pro Line 21 weather capable flight decks will benefit from worldwide graphical weather display directly on the aircraft flight displays. With Honeywell GDC a comprehensive suite of worldwide weather products are available at your fingertips whether in flight or on the ground through www.mygdc.com. Honeywell GDC is continually assessing new weather products to help meet your operational needs.

Global Data Center Services
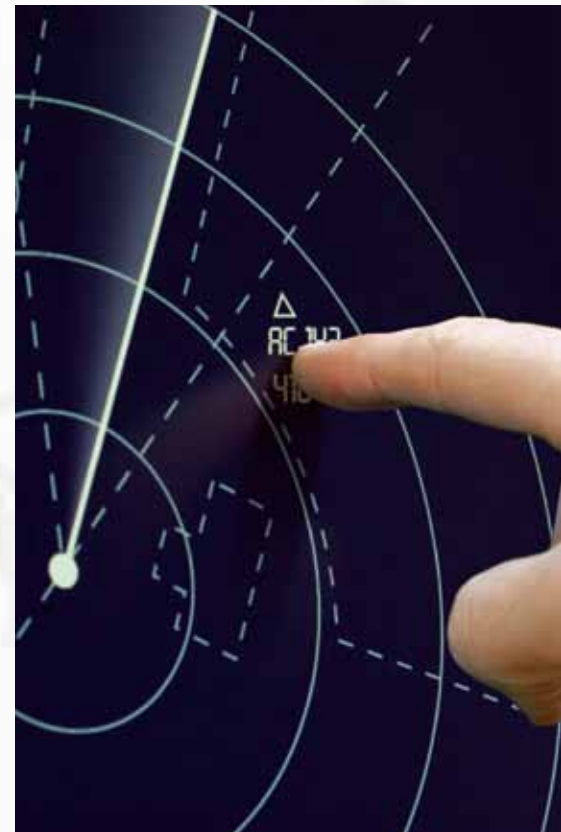
Air Traffic Control (ATC)

- Recently cleared / most frequently cleared routes

- Coded Departure Routes (CDR)

- Active Collaborative Decision Making Participation (CDM)

- Controller Pilot Datalink Communications (CPDLC)

- Digital Automatic Terminal Information Service (D-ATIS)

- North Atlantic Track Messages (NAT Tracks)

- Notices to Airmen (NOTAMS)

- Oceanic Clearances (CLX)

- Pre-departure Clearances (PDC) for datalink and non-datalink aircraft

- Transcribed Weather Information for Pilots (TWIP)

- EUROCONTROL validated routes

Our full suite of essential ATC services enhance flight safety, and provide flight crews with significant advantages over conventional voice communications. ATC services expedite IFR departures and reduce cockpit workload by eliminating the need to call clearance delivery or copy clearances by hand. Additionally, pre-departure clearance can be sent to mobile devices. As an added benefit, provisional message retention allows flight crews to refer back to previous messages at virtually any point during flight. Oceanic clearances provide clear, unambiguous delivery of your critical North Atlantic clearance.

Message Handling

- Air-to-air / air-to-ground / ground-to-air

- ARINC/SITA/AFTN addresses

- Customized auto-forwarding and user defined datalink codes

- Choose either computerized or assisted message delivery

- Email/SMS/telephone and fax forwarding

- Direct aircraft communication via the internet

- VHF and satellite networks

- Customized notifications sent to mobile devices

Stay connected with airborne two-way datalink messaging in real-time, worldwide. The GDC provides the sophistication and flexibility that enables you to communicate with your home base, Fixed Based Operators (FBO), Customs and Immigration, e-mail, fax, other aircraft, and much more. All of your mission-critical air-ground-air communications receive priority handling through the GDC, and our staff is available 24/7 to assist with message delivery anywhere in the world. Providing unsurpassed dependability, each of the GDC's redundant communications systems are engineered for high reliability. When it counts, you can rely on the GDC to deliver your important messages.
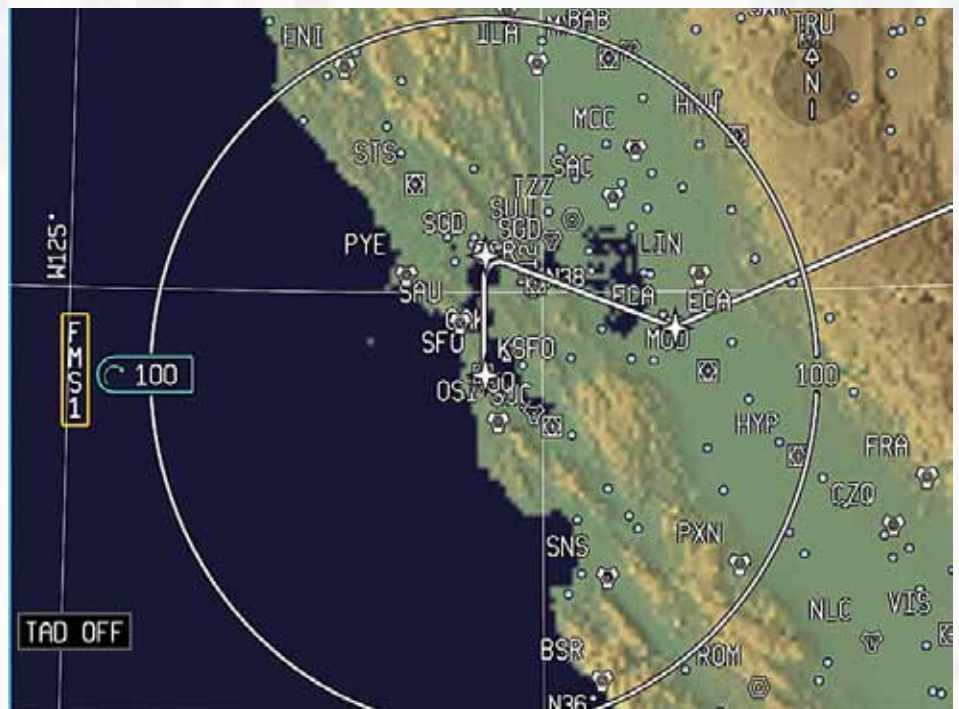
Dispatching

- Flight Sentinel℠ Flight Following and concierge services

- Airport reservations (Slots)

- Engine trend data uplink to OEM

- Web-based or human-assisted flight planning, filing, uplink and updates

- Web-based graphical flight tracking

- On/Off reports (OOOI)

- Customized route weather briefings

- Integrated Flight Risk Analysis Tool (FRAT)

- Runway analysis

- Weight and balance

- Scheduling software integration with CTA-FOS/PFM

When you subscribe to the GDC, we become an extension of your flight department. Whether you're planning a business trip to London or a ski trip to Aspen, the GDC provides the right mix of services to meet your operational needs. Use our internet based, graphical flight tracking capability to track and exchange messages with your aircraft fleet, in real-time, worldwide. The GDC can also assist operators with FAA Special Traffic Management Programs (STMP) and arrange special event airport reservations. Our personalized Flight Sentinel℠ service provides valuable guidance and information to keep your aircraft on schedule. For suitably equipped aircraft, the GDC also provides engine trend data collection as well as forwarding services, and a wealth of professional datalink ground-hosting services.

Worldwide Flight Planning

- Integrated OEM aircraft performance data

- Built-in trip cost estimate and altitude/cruise mode selection tools

- Customer/company custom route database

- ATC preferred routes

- Equal Time Point (ETP), Extended-range Twin-engine Operational Performance Standards (ETOPS), and Point-of-Safe-Return (PSR) calculation

- EUROCONTROL validated routes

- EUROCONTROL slot assignment messages/confirmations

- Flight plan uplink to FMS (recall)

- Multiple optimization and route entry options

- Multiple/custom flight plan formats

- Storage and transmission of third-party flight plans

- AC-U-KWIK data integration

Our professional flight data specialists are available 24/7 to assit you in preparing the most efficient flight plan for any destination worldwide. Our specialists are experienced aviation professionals, including a mix of FAA-certified aircraft dispatchers, weather planners, and commercial pilots. Flight planning with the GDC is fast, accurate, and intuitive. Convenient access to our worldwide flight planning is available

via the telephone, on the Internet, and through datalink communications. The GDC utilizes OEM aircraft performance data combined with the most current atmospheric forecasts to yield very precise fuel burn and time calculations on every flight plan we create. Along with intelligent flight planning, the GDC incorporates EUROCONTROL validated routing to ensure route filing success.

Flight Sentinel®

Let us get you where you need to be, when you need to be there

Flight Sentinel® protects against the challenges that can adversely affect the productivity and efficiency of your flight department and provides significant time and cost savings. Using route management techniques, flight control specialists proactively help reduce delays by filing you on routes currently being used by ATC to avoid traffic congestion and adverse weather conditions.

Monitor airspace for up-to-the-minute routes utilized by ATC

Using state-of-the-art techniques, Collaborative Decision Making (CDM) tools, and extensive experience, the Flight Sentinel team monitors airspace and ATC initiatives to ensure on-time departure. Hourly communication with the FAA Command Center for real-time updates and tactical route selection helps to mitigate delays. Early detection of ATC initiatives gives you more choices to complete your mission on time. When traveling in Europe, the GDC's EUROCONTROL route validation and slot assignment messaging capabilities ensure route filing success and trouble free flight."

Active flight following, communication, and mitigation

From start to finish, the Flight Sentinel team monitors the aircraft position and progress of your flight while looking ahead for weather hazards, traffic congestion, ground delays, or any other conditions that may affect your flight. We keep you informed with proactive communications sent to your mobile device, aircraft datalink or other designated destinations.

Global coverage

For non U.S. based customers, Flight Sentinel services are an available option when booking your international trip through the GDC. Use the combination of GDC's Integrated Trip Support and Flight Sentinel Services to increase your peace of mind when traveling abroad.

"The Honeywell Global Data Center is the tool JetFlite uses in order to reduce our response time from days to hours. It gives our flight crews the assurance that what they need can be done automatically and simply, allowing the entire team to focus on the customer."

— **Damon Danneker,**
Chief Pilot, JetFlite International

Honeywell Global Data Center
15001 NE 36th Street
Redmond, WA 98052
North America Toll-Free: 1.888.634.3330
Outside USA: +1.425.885.8100
www.mygdc.com
www.honeywell.com

Honeywell