



**Enabling reduced operating costs and increased efficiency**

Maximizing route efficiencies and aircraft performance while meeting evolving air traffic safety standards



# The right choice for your flight



A pilot's primary interface to in-flight operation, a Flight Management System (FMS) is the integrated system of sensors and displays handling the in-flight details of flight planning, navigation and performance optimization that keep aircraft flying smoothly and efficiently. It is the core of the integrated systems, or brains of an aircraft.

Honeywell has created and set the standard of excellence for Flight Management Systems for commercial aircraft through more than two decades of industry leadership and technical innovation. We continue to raise the standard year after year by providing a broad selection of innovative Flight Management Systems that help pilots navigate the skies more simply, safely and efficiently. Honeywell remains the leader in the flight management industry by consistently providing new, pilot-conceived and pilot-focused technologies, resulting in a family of unparalleled Flight Management Systems that help reduce operating costs and increase airline efficiency. At Honeywell, we strive to provide FMS solutions that are at the forefront of improved navigation and that will lead air traffic management in the future. New capabilities we are developing include Required Navigation Performance (RNP), Area Navigation (RNAV) and Special Aircraft and Aircrew Authorization Required (SAAAR) procedures as well as GLS (GNSS Landing System) and data link communications.

## Leading the Way in New Operational Benefits

Our Flight Management Systems help reduce operating costs and increase efficiency today, and in the future, through products on platforms that enable:

- Multiple approaches to the same runway, increasing alternatives for accessing airports
- Optimum enroute bank angles to improve coordination with Air Traffic Control (ATC)
- Enhanced Localizer (LOC) capture, increasing the probability of LOC capture and resulting in a reduction in go-arounds
- Improved offset entry and display, enhancing the management of the flight path
- Improved fuel management that enables better awareness of fuel quantities
- Optimized worldwide navigation database capacity through our flex format NavDB for sharing information across multiple platforms enabling years of growth for new procedures such as RNP, RNAV and LPV
- Significantly reduced maintenance time with high-speed Ethernet data loading



# management needs

- Stand-alone certification of Performance Database (PDB) updates and reduced maintenance costs
- Vertical Navigation (VNAV) path tracking based on dynamic modeling of earth and air mass reference flight path correction provides more accurate descent path construction to help with CDAs and RNAV based arrivals
- Accurate flight plan predictions and optimum flight trajectory increase operational performance
- Automatic GPS position entry for IRS alignment allows reduced pilot workload and greater time efficiency
- Precision landing capabilities, such as GLS (GNSS Landing System), provide benefits such as improved airport access and eliminate Instrument Landing System (ILS) critical areas
- Reduced operational costs and fuel savings with advanced features like passenger counts which can be entered to adjust cabin pressure and air conditioning for passenger comfort

## Improving Flight Operations

Honeywell's flight management solutions deliver more economical, fuel-efficient, time saving and safety-enhancing flight. Honeywell is a leading provider of FMS solutions with the infrastructure and assets to ensure cost effective operations.

At Honeywell, we pride ourselves on providing products with features that directly benefit operators. Our Flight Management Systems incorporate the latest technology to minimize errors and boost efficiency while maintaining lower operating costs. You benefit from increased performance, reduced cost of ownership, improved profitability and more satisfying flight experiences for your customers. We offer true cross-fleet operational commonality, including navigation databases, ensuring maximum performance with maximum ease.

## Desktop Training

Honeywell's PC training solutions bring FMS simulation to a desktop or laptop computer for a true learning experience.

## Key Benefits

- Increased reliability can reduce operating costs by approximately 15%
- Increases airline efficiency by reducing delays, turn-backs and diversions
- Reduced weight can decrease fuel consumption
- Approximately 20% reduction in maintenance costs
- Fleet commonality that can lower training costs by approximately 20%
- Controller Pilot Data Link Communication (CPDLC) reduces pilot workload
- Vertical situation display increases situational awareness
- Low RNP provides better airport access and improved fuel savings
- Graphical flight planning increases cockpit efficiency

*Estimates based on Honeywell data and calculations*

## **Honeywell Aerospace**

Honeywell is a leading global provider of integrated avionics, engines, wheels and brakes systems and service solutions for aircraft manufacturers, airlines, business and general aviation, military, space and airport operations.

For more information on Honeywell Aerospace, visit us online at [www.honeywell.com/aero](http://www.honeywell.com/aero)

## **Global Network of Support Services**

Honeywell's resources span the Americas, Europe, Middle East, Africa, Asia and the South Pacific to deliver dedicated 24/7 service support. As a world leader in aviation aftermarket services, our global repair centers, logistics network and field services engineering teams are able to quickly repair, supply, and warranty equipment whenever and wherever it is needed.

## **FMS Platforms Supported**

- Boeing 787
- Boeing 747-400
- Boeing 757/767
- Boeing 717
- Boeing 777
- Boeing MD-11
- Airbus A380
- Airbus A320/A321
- Airbus A318/A319
- Airbus A330/A340
- Fokker F70/F100

## **Find Out More**

For more information on our Flight Management Systems, visit us online at [www.honeywell.com/FMS](http://www.honeywell.com/FMS)

## **Honeywell Aerospace**

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