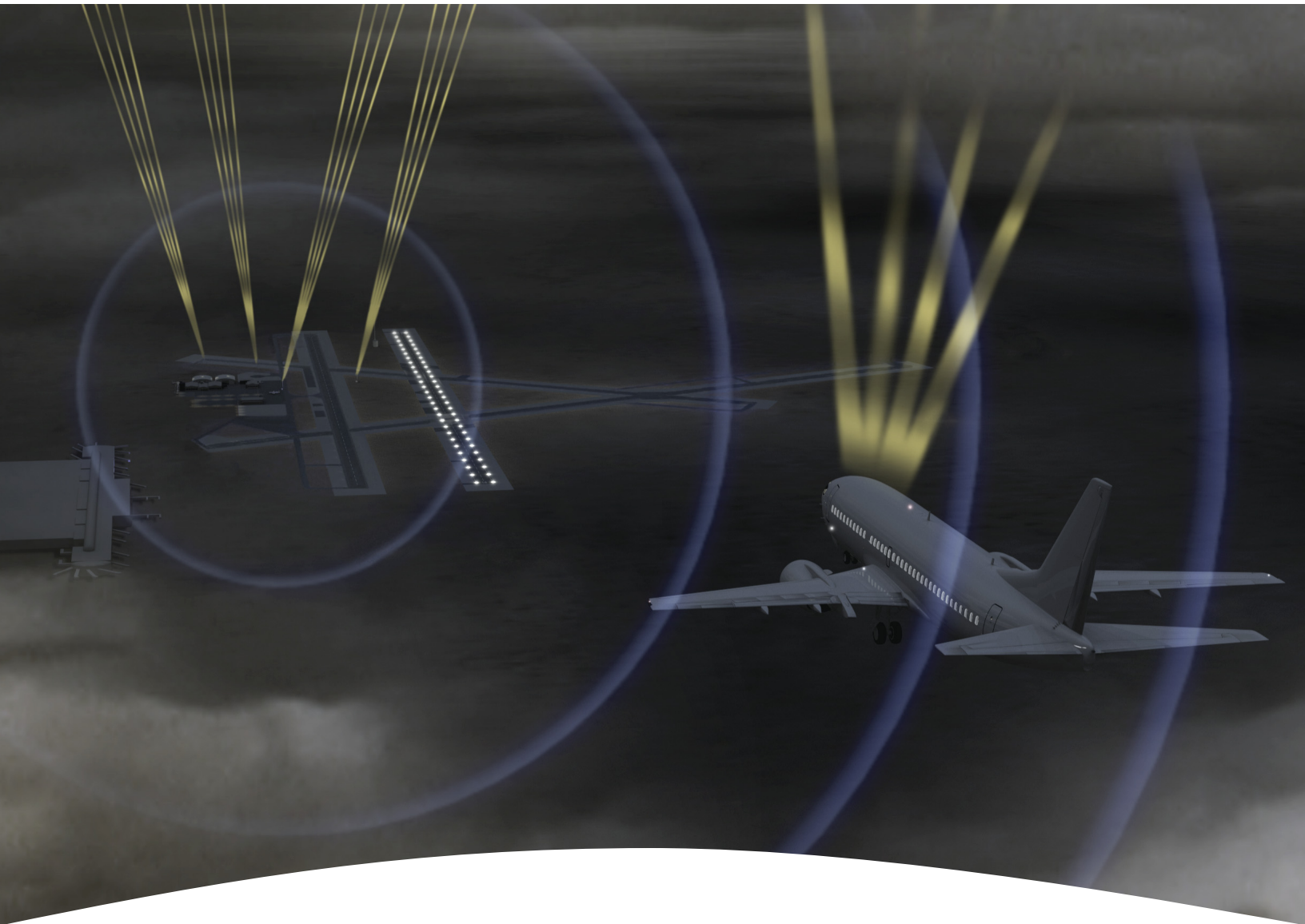


# Honeywell SmartPath™ Precision Landing System



## **SmartPath – The First and Only FAA-Approved GBAS**

The next generation of precision navigation and control has received FAA System Design Approval and is available today. Honeywell SmartPath Ground Based Augmentation System (GBAS) delivers a cost-effective solution that increases airport capacity, decreases air traffic noise and reduces weather-related delays.

By providing extremely precise landing guidance data, SmartPath enables aircraft to fly either straight-in or complex approaches. Easy to install, at major cost savings compared to ILS, SmartPath delivers proven precision.

**Honeywell**

# Honeywell SmartPath™ Precision Landing System

*The SmartPath Precision Landing System provides differential GPS corrections and integrity for all satellites in view and approach path information covering all runway ends*



## SmartPath – The next generation of precision landing guidance technology

- GBAS accuracy enables closely-spaced parallel approaches
- Improved navigation accuracy over Instrument Landing Systems (ILS)
- Increases airport capacity by eliminating ILS hold short-zones
- More flexible than ILS – one GBAS can broadcast 26 unique approaches covering all runways at an airport
- Utilizes differential GPS, and broadcasts both pseudorange corrections for each satellite in view, as well as approach path information in a digital broadcast
- One GBAS can cover all ends of all runways. The ILS covers only one end of one runway, requiring additional installations for complete coverage
- Supports offset and segmented approaches for displaced threshold landings
- Airbus and Boeing aircraft are now being fitted with GPS Landing System capability

## Find Out More

To learn more about Honeywell Precision Landing Systems, visit [www.honeywellsmartpath.com](http://www.honeywellsmartpath.com)

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## Honeywell – A world leader in precision landing systems

- First to certify a DO-217 compliant differential GPS landing system (SCAT-1)
- Only FAA-approved Integrity Monitoring algorithms protecting the Signal-in-Space
- Utilizes avionics-like architecture to achieve Fail Operational capability compatible with the SmartPath SLS-4000
- Four state-of-the-art multi-path limiting GPS antennas for improved performance and installation site flexibility
- GPS reference receiver with software developed to DO-278, Level B standards
- Dual-Dual processor system architecture, similar to a CAT III capable autopilot
- Dual redundant VHF data radio, both transmitter and receiver assuring broadcast integrity
- Horizontally polarized VHF antenna

## Proven technical and logistical solutions for GBAS

- Offering turnkey products and services for precision landing implementation
  - Airport assessment; site assessment; installation; flight inspection and facility approval
  - Training (operations and maintenance)
  - Total lifecycle logistics support

- Highly-experienced in the development and installation of differential GPS landing systems
  - Honeywell has installed more than 25 systems worldwide
  - Field support (spares and logistics) through Honeywell worldwide Customer Service & Support organization



# Honeywell