TURNAROUND EFFICIENCY
READY FOR TAKE OFF

HONEYWELL NAVITAS™
GATE AND TURNAROUND
SOLUTIONS

Honeywell

Balancing uncertain times with safety and predictability

With constant changes in the aviation industry, airports are facing new challenges. To optimize passenger experience and aircraft throughput, airports around the world are often either investing in airport infrastructure modernization or turning to technology to maximize the use of their existing assets while minimizing CapEx outlays. But one of the most important priorities for both airports and airlines remains safety and predictability — in the air and on the ground.

THE COST OF INEFFICIENT AIRPORTS

The safety culture is an integral part of the industry. Essential components such as standard operating procedures and highly regulatory requirements help ensure that safety is the driving force behind airport operations. To prepare for today's and tomorrow's challenges, airports need to leverage a range of digital solutions.

A wind of change in the aviation industry

Covid 19 had a massive impact on the aviation industry and many airports are revisiting their master plans for a post pandemic world. Preparing for the future, while addressing present challenges, also means optimizing gate operations and increasing situational awareness for both airside and landside – speeding up turnaround operations, getting aircrafts ready for flight faster, and promoting on time departures.
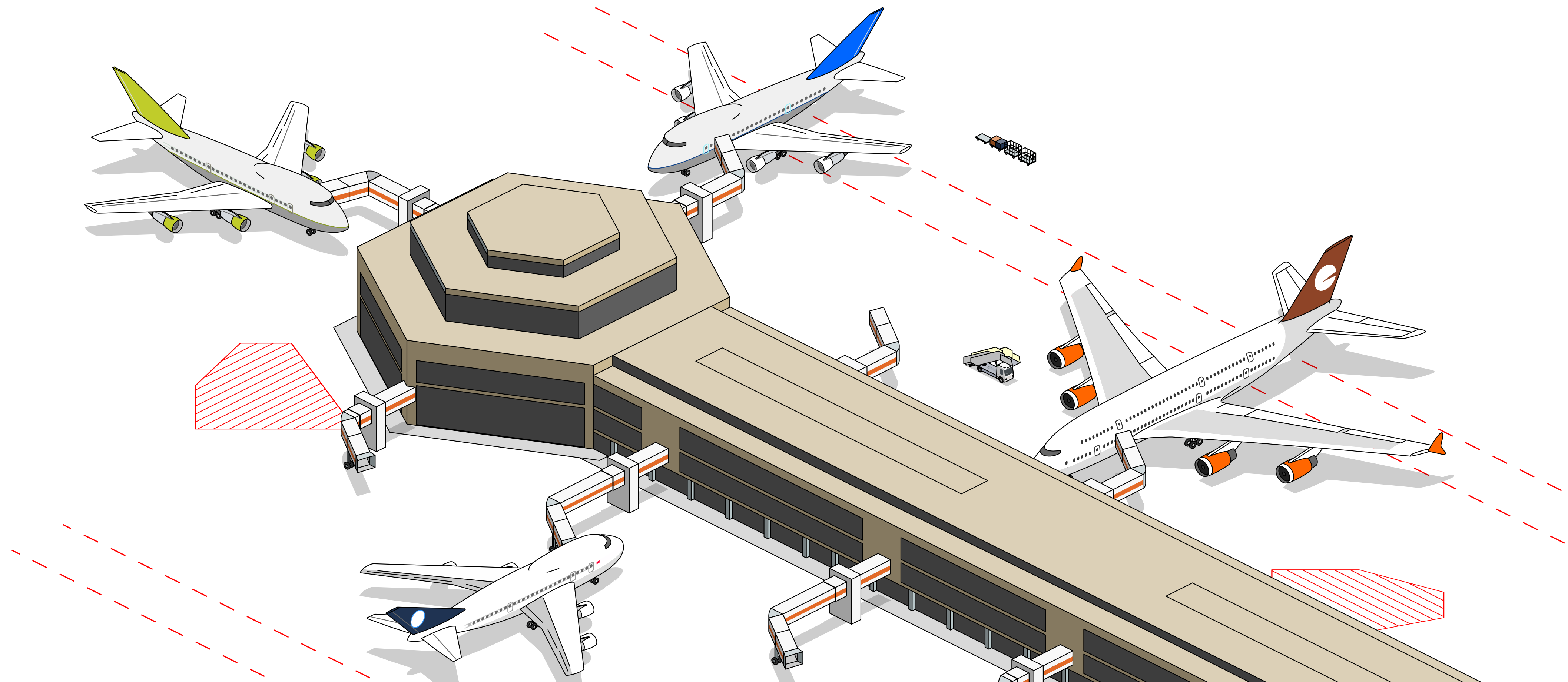
Make room for more efficient air travel

Airports are looking for technologies to alleviate capacity constraints and safety concerns whilst limiting CapEx outlays and decreasing their operational costs. As airports prepare for a post pandemic world, agility to optimize capacity utilization and uptime will be paramount. Therefore, airports and airlines are constantly working to improve their on-time performance and reduce turnaround time without compromising safety and cybersecurity.

Source:
* ACI 2019 airport traffic forecast https://store.aci.aero/product/world-airport-traffic-forecasts-2019-2040/

Safety is built from the ground up

From traffic handling, runway and taxiway lighting, to tower-based, traffic control systems and gate and docking automation, airport turnaround operations call for integrated solutions that are more performance-driven, cost-effective, and sustainable for the environment.

Honeywell Airport Solutions

With over 100 years of airport and aviation experience, Honeywell solutions and services have a track record of helping airports around the world address their safety, security, capacity, and operational challenges. From airside to landside, our integrated systems help improve situational awareness, with safer and more secure throughput optimization, as well as improved airfield availability and uptime – delivering global expertise and local capabilities to airports virtually everywhere.

The Honeywell NAVITAS Gate and Turnaround Solutions

By unifying air and ground traffic control, airport operations and maintenance with predictive performance analysis, Honeywell offers a true, end-to-end airport management solution. Innovative technologies are put to work to mine big data insights – helping to improve gate turnaround and optimizing capacity throughput.

Our Honeywell NAVITAS Gate and Turnaround module offering comprises two main components:

- The airport visual docking guidance system (A-VDGS).
- The turnaround manager (TMAN), enabled by a software platform which provides the integration between gate systems, Airport Operations Database, and Advanced Visual Docking Guidance Systems.

With the help of modern 3D technology and multiple-source data collection, Honeywell Gate and Turnaround Solutions:

- Increase situational awareness for the apron/ramp controllers.
- Improve safety by detecting aircraft types, even in lower-visibility conditions like thick snow or heavy rain.
- Provide precise guidance for safe docking.
- Enhance uptime for airside operations during IROPS (Irregular Operations).
- Optimize uptime for airside operations, decreasing maintenance downtime by up to 25%

The Honeywell NAVITAS Turnaround Manager

Faster turnarounds. Higher uptime. Safer operations.

With one platform, you'll streamline human-machine interactions to more effectively focus on the core needs of your airport. The Honeywell Turnaround Manager (TMAN) helps deliver control and monitoring of the visual docking guidance systems and gate equipment – increasing the speed and the visibility of turnaround operations and reducing downtime by up to 25%. With advanced support maintenance functions, engineering crews react faster to faults – encouraging greater uptime and ground operational effectiveness.

Honeywell Gate and Turnaround Solutions

Honeywell Advanced Visual Docking and Guidance System

Efficient gate assignment and live view of gate activity are increasingly important, as they often empower airports to increase the capability of existing passenger terminal resources – enhancing safety and real-time operations. The Honeywell Visual Docking Guidance System and Gate Control System help further optimize airport gate capacity and efficiency.

Managing Gate Turnaround Operations

Discover the features behind the Honeywell Turnaround Manager (TMAN) and how they help airports reduce downtime, turnaround times, and associated costs.

Honeywell

HONEYWELL NAVITAS™
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SOLUTIONS

A proven track of airport excellence on the airside and in the terminal

Our most important achievements are the breakthroughs our customers achieve in their operations.
Honeywell empowers airports worldwide to reach optimized operational potential.

**Dubai International Airport,
United Arab Emirates**

**Indira Gandhi Airport,
Delhi, India**

**Incheon International Airport,
South Korea**

**Kuala Lumpur International
Airport, Malaysia**

**Brussels International Airport,
Belgium**

**Abu Dhabi Airports Company,
United Arab Emirates**

**Pittsburgh International
Airport, Pennsylvania, USA**

**Denver International Airport
Colorado, USA**

HONEYWELL NAVITAS™ GATE AND TURNAROUND SOLUTIONS

Put your airport to work for you

Turnaround operations are ready for take-off with the Honeywell suite of airport solutions. As a leader in developing airport technologies, we understand the challenges you face and provide the resources you need to pilot your airport operations toward peak performance – reducing downtime, turnaround times, and costs along the way.

Find out what your airport can achieve when you have the Honeywell Turnaround Manager working for you.

For more information, contact us.

buildings.honeywell.com