

RUNWAY SAFETY

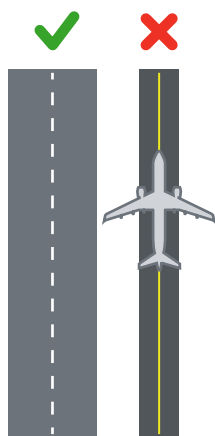
Did you know, the best and most impactful mitigation for aviation safety is **direct pilot alerts** with technology onboard the aircraft? While new safety technologies for air traffic controllers are important part of our safety net, they also can introduce unnecessary delay and human factors errors in getting the message to the pilots ASAP. We need to provide pilots with onboard technology alerts so they can take immediate corrective action to avoid disaster!

Encourage airlines to equip with needed pilot safety aids to help improve the most common runway safety problems.

RUNWAY SAFETY AREAS OF CONCERN

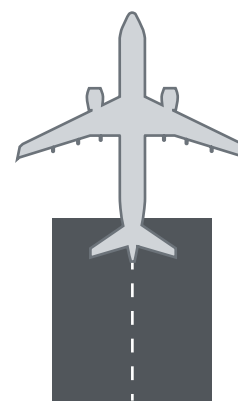
Wrong Surface Operations

occur when pilots mistakenly attempt takeoff or landing on a taxiway instead of a runway.



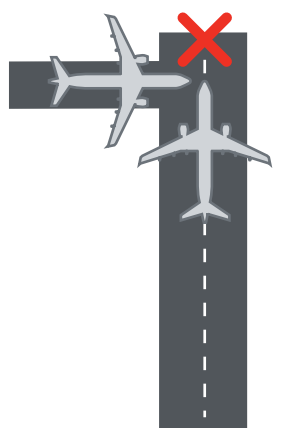
Runway Excursions

occur when an aircraft veers off or lands off the end of a runway.



Runway Incursions

occur when an aircraft collides with another aircraft or ground vehicle.



Orlando, Florida March 20, 2025
B737 mistakenly tried to takeoff on a taxiway instead of the runway

Lexington, Kentucky 2006
CRJ overshoot the runway on takeoff and killed 49 of 50 occupants on board

Chicago, Illinois Feb 25, 2025
B737 on final approach executes a last moment go-around as intruder business jet taxied across landing runway.



Runway Surface Alerts (SURF-A)

Provide pilots warnings about impending collision on the runway.

Runway Awareness and Alerting Systems (RAAS)

Provide pilots warnings if they are too high or too fast on approach. It also alerts the pilot if they are taking off (or landing) on a taxiway instead of a runway.

Empowering pilots to make quicker decisions and avoid runway incidents.



**HONEYWELL
AEROSPACE SAFETY
TECHNOLOGY WILL
REDUCE COSTLY AND
SOMETIMES FATAL
RUNWAY ACCIDENTS**

SURF-A breaks the chain of events that can lead to runway incursions.

Available today, **RAAS** breaks the chain for runway excursions and wrong surface operations.



Aircraft
position
data



Algorithm
provides
early alerts



Increased
situational
awareness

**AMONG THE LATEST
SAFETY-FOCUSED
BREAKTHROUGHS AND
INVENTIONS THAT
HONEYWELL HAS DELIVERED
TO THE AEROSPACE INDUSTRY.**

FLYING

is still one of the **safest** travel methods.

Despite the overall safety, there has been a **significant increase in runway safety incidents** and accidents since 2022

The aviation industry, including passengers, lawmakers, OEMs, and airlines, must take this uptick seriously and act to **prevent future incidents and accidents**

Honeywell