



THE POWER OF **CONNECTED**

GoDIRECT™ CONNECTED MAINTENANCE

For Auxiliary Power Units

Our GoDirect™ Connected Maintenance for Auxiliary Power Units (APUs) helps airlines improve APU availability by identifying potential issues before they become problems. The result is better on-time performance and lower operational costs.

APU Failure is Not an Option

The APU is required to start the main engines, provide power on the flight deck and run the air conditioning to keep passengers comfortable on the tarmac. If the APU fails, ground crews must immediately find ground support equipment to start the engines and cool the cabin, which is an expensive and time-consuming process. An APU failure threatens on-time performance and can leave the aircraft without a backup electrical power system during flight.

The GoDirect Connected Maintenance service for APUs from Honeywell helps airlines avoid the scores of problems that accompany an APU failure. The service uses the latest Industrial Internet of Things (IIoT) capabilities to monitor APU health and performance and warns operators of impending issues before they can become costly problems.

BENEFITS



Reduces APU-related flight delays by 35% with less than 1.5% false removals



Analyzes data in real time to identify potential problems



Alerts airline maintenance chiefs three days before predicted failures



Pinpoints components likely to fail to save troubleshooting time and cost



Lets maintenance teams address faults proactively, save time and money



Field Proven and Available Today

Honeywell GoDirect Connected Maintenance for APUs is being used in both trials and operational settings by several major airlines, with more in the works. Various trials of the service resulted in up to 35 percent reduction in inoperative equipment, and a significant reduction in operational disruptions with a false positive rate of less than 1.5%.

A Connected Maintenance Service for the Connected World

Like other smart systems on today's modern aircraft, the APU generates a wealth of data on just about every aspect of its health and performance. The challenge is analyzing the data quickly and determining what data is relevant for the maintenance team. Honeywell pioneered APU technology and has over 95,000 units in operation around the globe.

Our GoDirect Connected Maintenance, continuously monitors APUs for airline customers. Data from each APU is analyzed and compared against the information in our unique database, giving us insight into its performance and identifying potential faults. If results indicate that a fault with an APU line replaceable unit is foreseen, we alert the airline operations team by email and through our exclusive web portal three days before the predicted failure so the team can take action to replace or repair the component. The alert is extremely specific, which helps the maintenance team get right the heart of the problem and virtually eliminates false removals.



“Honeywell's GoDirect Connected Maintenance helps support our commitment to passengers by reducing operational disruptions and limiting flight delays, without adding any sensors or a single ounce of weight to the aircraft.”

NEIL GLENN,
DIRECTOR ENGINEERING, CATHAY PACIFIC

To learn more about Honeywell's GoDirect, please contact your Honeywell sales representative or call +1 (888) 634-3330 or visit us at: aerospace.honeywell.com or call 1-425-885-8100

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