

Honeywell

THE POWER OF **CONNECTED**

GoDirect™ Connected Maintenance for ECS



Keeping airplanes flying, rather than being grounded for maintenance, has long been critical to an airlines success. Regularly scheduled maintenance is unavoidable and certainly necessary. But unscheduled off-wing time can not only cut deeply into profits, but also hurt airline reputation and safety.

So what can be done to minimize or even eliminate unscheduled downtime?

Most airlines have already implemented preventive maintenance/soft time programs (above and beyond OEM recommended MPD plans) to repair/replace parts and check system performance to avoid the risk of system failure.

But doing this means that operators spend a lot of labor hours, fuel burn and pre-emptive parts replacements which lead to additional and unnecessary maintenance costs.

What if you were able to predict parts and equipment failures before they happen with enough time to schedule maintenance that would not affect schedules and availability?

Welcome to Honeywell's new Connected Environmental Control System (Connected ECS) predictive maintenance service, which provides an automatic way of checking system health in real time using existing aircraft data.



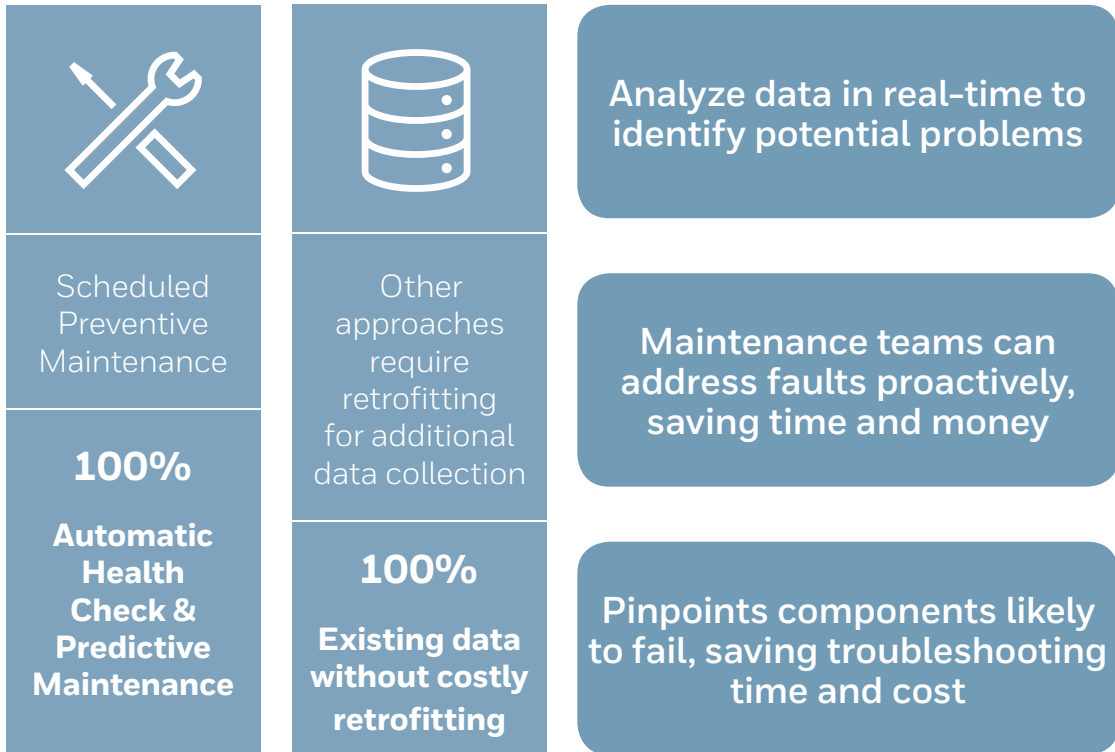
Customer benefits at a minimum in the following categories:

- Reduce preventive maintenance costs (labor hours, fuel burn, parts replacements)
- Reduced troubleshooting labor
- Less ground equipment usage (possibly)
- Reduction in delays and cancellations
- Improved first time fix rate
- Reduced no fault founds penalty
- Improved passenger comfort
- Fewer premature part removals

How does it work?

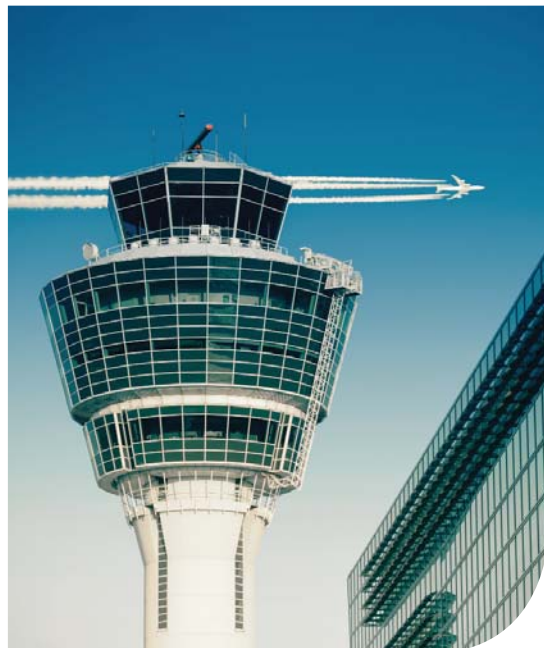
As an example, if an ECS LRU fails on an aircraft, it causes the ECS to be in-operable or operate in diminished capacity (too hot/cold in cabin/flight deck) resulting in delays or cancellations, flight restrictions, passenger discomfort, as well as need for ground equipment which must be rented from a third party.

Connected ECS predictive maintenance will detect and recommend replacement of LRU parts before the failure occurs thus preventing delays and cancellations, lowering operational and maintenance costs, improving passenger comfort, and reducing unnecessary premature part removals.



Field Proven and Available Today

The Honeywell GoDirect Connected Maintenance for Environmental Control System is being used in both operational setting and trials by several major airlines, with more in the works. Various trials of the service resulted in a significant reduction in preventive maintenance cost and operational disruptions. For more information, contact your local Honeywell Sales Representative.



Honeywell Aerospace

1944 East Sky Harbor Circle
Phoenix, AZ 85034

aerospace.honeywell.com

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