

Honeywell

C-130 PLATFORM SUPPORT

Retrofit, Modification and Upgrade Solutions.



Increasing reliability and performance while reducing life cycle costs.

Optimizing performance throughout the lifespan of your C-130 transport.

Retrofit Modification & Upgrade Solutions for C-130

RMUs for the C-130

Honeywell is proud to be a significant content-provider for the C-130 transport. From advanced avionics to mechanical systems, our solutions are proven to be highly reliable and capable, providing the power to protect and the technology to perform in any airspace environment.

With aging aircraft, budget constraints, and pressing needs to maintain combat viability, Honeywell builds upon our existing technologies and platform experience to present a comprehensive range of RMU solutions to extend the life of the C-130 aircraft and sustain mission effectiveness throughout its operational life cycle.



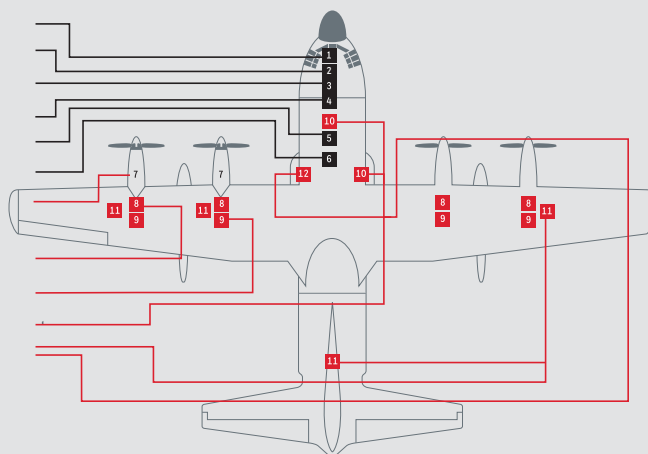
Regardless of your theater of operation, our advanced technologies, products and services cost-effectively enhance mission-critical capabilities and deliver proven operational advantages.

AUXILIARY POWER
ENVIRONMENTAL CONTROL SYSTEMS
ENGINE START SYSTEMS
AVIONICS

RMU Solutions Deliver Operational Efficiencies Including ...

1	EGPWS	■			■	
2	EGI Upgrade	■		■		■
3	VXP HUMS		■	■	■	■
4	Weather Radar	■	■		■	
5	MILACAS-XR	■	■		■	
6	Viper-HMIA		■		■	
7	MEGSD* Upgrade Kit			■	■	■
8	ATS Control Valve		■	■	■	■
9	ATS	■	■	■	■	■
10	ECS Upgrades			■	■	■
11	Anti-Ice Valve	■	■		■	■
12	APU		■	■	■	■
		Enhance Safety	Added Efficiency	Extended Life	Increased Availability	Reduced Lifecycle Cost

* Main Engine Generator Shaft Disconnect (MEGSD) Upgrade Kit



■ 1 Enhanced Ground Proximity Warning System (EGPWS)

– Compact and easy to install system improves situational awareness throughout high workload missions by protecting against Controlled Flight Into Terrain (CFIT).

■ 2 Embedded GPS/INS Upgrade

– Plug-and-play replacement with existing aircraft architecture provides advanced performance navigation, enhanced velocity performance, Selective Availability Anti Spoofing Module (SAASM) availability and improved obsolescence support.

■ 3 VXP HUMS – Simple to install condition based maintenance system accurately monitors vibrations and performs propeller balancing 4x faster than previous systems.

■ 4 Weather Radar – Features long-range detection, ground mapping and advanced weather analysis capabilities to detect and reroute around storms sooner, reducing diversions by 25% for increased fuel savings and lowering life cycle costs 4x through enhanced system reliability.

■ 5 MILACAS-XR – Incorporates Change 7.1 logic and hybrid surveillance to provide a greater surveillance range than ETCAS, significantly reducing the risk of collision while meeting current industry mandates for access to civilian airspace.

■ 6 Viper-HMIA – Portable C4ISR communications system that provides highly reliable operation with all weather performance, global coverage and a high capacity data network at 75% lower cost than a fixed aircraft SATCOM solution.

■ 7 Main Engine Generator Shaft Disconnect Upgrade Kit

– Operators currently flying the older configuration Generator Shaft Disconnect can install the upgrade kit, which contains a new shaft and circular polyimide spline adapter. In addition to eliminating the scheduled maintenance for spline lubrication the polyimide spline adapter eliminates metal-to-metal contact between driving and driven components, which reduces the occurrence of premature gearbox removal due to spline wear.



■ 8 Air Turbine Starter Control Valve – Drop-in upgrade based on previously fielded, high reliability design. Valve performs with all C-130 configuration starters without the need for time-consuming rise rate adjustments.

■ 9 Air Turbine Starter – High reliability, drop-in solution that provides more than 4,500 hours Mean Time Between Unscheduled Removals (MTBUR). Quick-Attach-Detach (QAD) feature reduces install and removal time by 75% over non-QAD model starters.

■ 10 ECS Component Upgrades – Provides a 2x increase in cooling turbine reliability (5,000+ hour MTBF), 2x increased service life for heat exchangers and at least a 1.3x improvement in reliability for flow control valves. Options to increase cooling performance are also available.

■ 11 Anti-Ice Valve – Addresses safety concerns of incumbent valve's flow body separation occurrences. Honeywell's one-piece valve is a drop-in upgrade at all four wing locations. Valve can also be installed at two locations in the empennage for commonality purposes. Over 20 years safe, high reliability performance.

■ 12 Auxiliary Power Unit (APU) – Increases airflow for better ECS performance, expands generator capability from 20 to 40 KVA and uses longer-life materials for a 4x improvement in reliability.

Honeywell's world-class retrofit, modification and upgrade (RMU) solutions cost-effectively enhance C-130 operational capabilities, improve aircraft efficiencies and extend platform life.

Defense & Space

Providing the power to protect and the technology to perform, Honeywell Aerospace innovations are helping transform the combat environment by boosting operational capabilities and providing unrivalled accuracy to support soldiers, vehicles and aircraft and enhance fleet safety.

Our products offer superior efficiency and performance to lower fuel consumption and maintenance expenditures, while increasing the productivity and lifespan of critical assets.

Honeywell Aerospace

Honeywell is a leading global provider of integrated avionics, engines, systems and service solutions for aircraft manufacturers, airlines, business and general aviation, military, space and airport operations.

For more information on Honeywell Aerospace, visit us online at www.missionready.com

Honeywell Aerospace

1944 East Sky Harbor Circle
Phoenix, AZ 85034
aerospace.honeywell.com

N61-1606-000-000 108/16
© 2016 Honeywell International Inc.

Honeywell