

C-130H IRON HERC

Proven upgrades with enhanced capabilities

The C-130H continues to be the main tactical airlifter for the U.S. Air Force Air National Guard and more than 40 nations worldwide. These C-130s are critical workhorses for tactical airlift, rapid mobility, strategic airdrops and medical evacuations. As these aircraft have aged over the past 50-plus years, the issues of obsolescence and diminishing manufacturing sources have become greater, translating directly into increased lifecycle costs.

The reality of global budgetary constraints limits most operators from recapitalization. L3Harris' Iron Herc modernization program extends the service life of these aircraft by decades, delivering modern capabilities at a fraction of recapitalization costs by installing modern avionics, enhanced engine and propulsion capabilities and structural life extensions.

CURRENT LEGACY C-130 ENVIRONMENT

- > Requirement to comply with ICAO Communications, Navigation, Surveillance (CNS)/Air Traffic Management (ATM) avionics mandates
- > Plagued by obsolescence and diminishing manufacturing sources
- > Potential degraded performance below acceptable readiness standards
- > Cost of recapitalization continues to grow

PROVEN C-130H UPGRADES PROVIDE ENHANCED CAPABILITIES

- > New avionics suite including flight director, flight management system, engine indicator display system, autopilot and weather radar
- > Improved range with upgraded propulsion including NP2000 propeller and electronic propeller control system (EPCS) and T-56 3.5 engine upgrade
- > Life extension with Center Wing Box (CWB) replacement
- > Replacement of obsolete equipment including new digital fuel quantity indicator, APU and ECS
- > Integrated logistics: technical manuals, training, flight familiarization training devices and spares

REDUCED COSTS AND SCHEDULE

- > Modernization is approximately 1/3 to 1/2 the cost of recapitalization
- > Includes spares, training and support
- > Avionics and Mid Life Upgrade completed in less time
- > Open aircraft once for block of mods

AVIONICS UPGRADE PROGRAM (AUP)

- > AUP modernizes the C-130H fleet with avionics suitable to comply with CNS/ATM mandates which improves flight routing, reduces fuel costs, reduces maintenance costs and reduces operator errors
- > AUP mitigates aging equipment/obsolescence (DMSMS) issues improving aircraft availability for the fielded fleet
- > L3Harris has extensive experience integrating CNS/ATM compliant avionics solutions

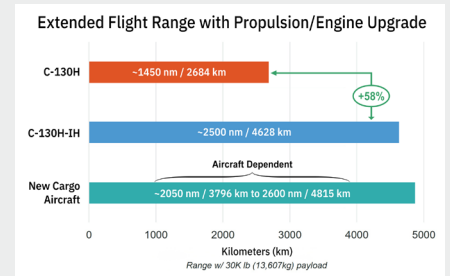


C-130H "IRON HERC" BENEFITS

- > AUP provides worldwide airspace access in compliance with international mandates and provides a modern, common glass cockpit configuration for the entire fleet – streamlining training and logistics
- > EPCS/NP2000 8-bladed Propellers – fielded and realizing significant takeoff performance gains, increased reliability, reduced logistics footprint, and dramatic reductions in cockpit noise level and vibration
- > 3.5 engines – fielded and realizing >20% increase in range, dramatic increase in fuel efficiency, faster time to climb, and maximum takeoff torque available in high and hot environments
- > Center Wing Box replacement extends the life of C-130H aircraft on par with fresh off-the-assembly-line aircraft

IT PAYS TO UPGRADE

- > Shorter takeoff and landing distances
- > Faster time to climb
- > Reduced fuel burn
- > Lower basic weight
- > More precise airdrops
- > Increased reliability
- > Higher mission completion
- > Extends aircraft service life



COLLINS ELECTRONIC PROPELLER CONTROL SYSTEM (EPCS)/ NP2000 PROPELLER UPGRADE

EPCS

- > Improved speed control — Eliminates prop flux reports
- > Improved Synchrophasing — Eliminates beating and reduces cockpit noise
- > Improved transient performance — Assists in preventing over-torque
- > Significant reliability increase — Field experience 9,000 hrs MTBCR

NP2000 Propeller

- > Improved aerodynamics for increased thrust

- > 20% increase for take-off and climb
- > Reduced noise and vibration from 8-blade design
- > Up to 20 db reduction inside cockpit
- > High reliability from simplified actuation and electronic control system
- > 2x improvement in reliability of propeller system
- > Individual on-wing blade replacement
- > Modular for reduced mobility footprint — 4 props to a pallet vice 1

ROLLS-ROYCE T56 3.5 ENGINE UPGRADE

Improved Compressor and Turbine Efficiency

- > Cooler turbine inlet temperatures while providing equivalent Series III power
- > TIT lowered ~70°C
- > Demonstrated 12% Specific Fuel Consumption (SFC) improvement
- > Increased turbine life by 22%

Increased Fuel Efficiency

- > USAF reported minimum 12% fuel consumption reductions while maintaining full capabilities of Series III engines

Improved Availability Efficiency

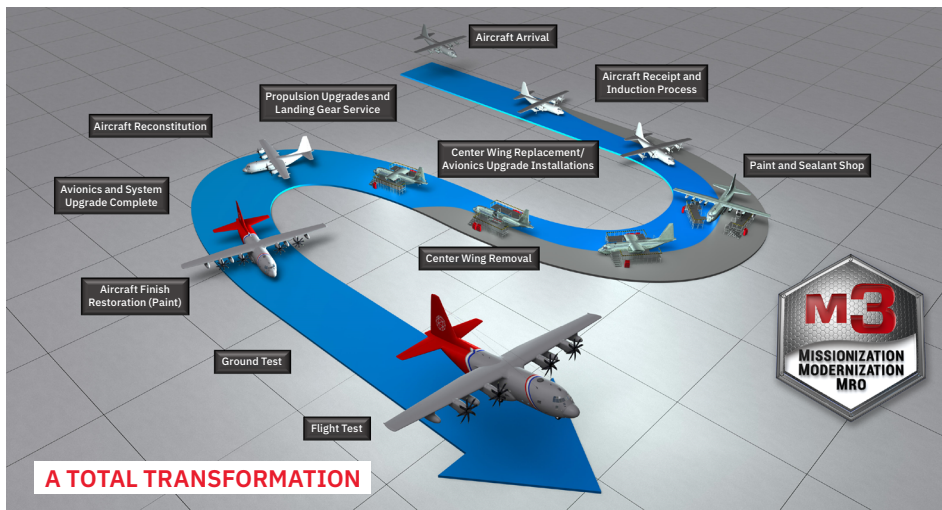
- > 25% reliability improvement

Improved Performance

- > Enhanced hot-day and high-altitude performance
- > 10% aircraft range improvement — or can carry two times heavier payload for current aircraft range

Installation

- > Conducted during routine overhaul — no changes to aircraft or controls
- > No aircraft installation/interface changes

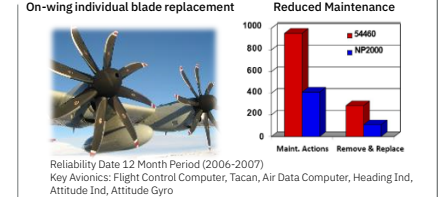


EPCS/NP2000 UPGRADE

- 55% IMPROVED SYSTEM RELIABILITY



- 50% LOWER COST PER FLIGHT HOUR

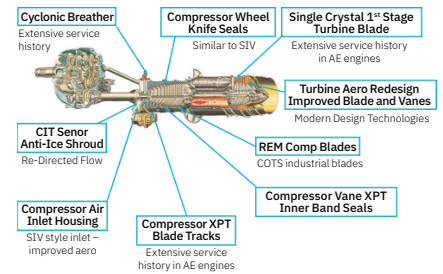


- REDUCED MOBILITY FOOTPRINT



© Collins Aerospace 2021. All rights reserved

T56 3.5 ENGINE UPGRADE



Private | © 2020 Rolls-Royce Not Subject to Export Control

CWB REPLACEMENT

- > Simultaneously replace CWB with Program Depot Maintenance (PDM)
- > Includes C-130 outer wing replacement
- > Replacement extends service life of the aircraft



C-130H Iron Herc

© 2026 L3Harris Technologies, Inc. | 05/2026 | L32561

NON-EXPORT CONTROLLED: THIS DOCUMENT CONSISTS OF INFORMATION THAT IS NOT DEFINED AS CONTROLLED TECHNICAL DATA UNDER ITAR PART 120.33 OR TECHNOLOGY UNDER EAR PART 772.

L3Harris is the Trusted Disruptor in defense tech. With customers' mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit [L3Harris.com](https://www.l3harris.com) for more information.



1025 W. NASA Boulevard
Melbourne, FL 32919

[L3Harris.com](https://www.l3harris.com)