C-130 Platform:
Honeywell systems and solutions increase reliability and performance while reducing life cycle costs

1. **Enhanced Ground Proximity Warning System (EGPWS)**
   Compact and easy to install system greatly improves flight safety by reducing the probability of CFIT – controlled flight into terrain/obstacle.

2. **Embedded GPS/INS Upgrade**
   Plug-and-play replacement provides advanced performance navigation, enhanced velocity performance, and available Selective Availability Anti Spoofing Module (SAASM).

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**
   More accurate, long-range weather detection, ground mapping and advanced weather analysis to detect and reroute around storms sooner for safer, more efficient, and comfortable flights.

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 mandates for civilian airspace access.

6. **Viper-HMIA**
   Portable C4ISR communications system 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**
   Includes new shaft and circular polyimide spline adapter to reduce required maintenance and premature gearbox removal due to spline wear.

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

9. **Air Turbine Starter**
   Drop-in replacement provides 4,500+ hours Mean Time Between Unscheduled Removal (MTBUR). Quick-Attach-Detach (QAD) feature reduces install and removal time by 75%.

10. **ECS Component Upgrades**
    Provides a 2x increase in cooling turbine reliability (5,000+ hour MTBF), 2x increased service life for heat exchangers and 1.3x (minimum) improvement in reliability for flow control valves.

11. **Anti-Ice Valve**
    Proven one-piece valve design is a drop-in upgrade at all four wing locations and can be installed at two locations in the empennage for system commonality.

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