



RMCI unveils their modern advanced technology HUMS for EC-135 at APSCON 2021 in New Orleans

July 29, 2021



RMCI, Inc. Booth **439 & 624** at APSCON

The XRDS enables flight data monitoring for Flight Operations Quality Assurance (FOQA); provides comprehensive mechanical diagnostics of the entire drivetrain of the aircraft; and supports maintenance functions such as engine vibration checks and rotor track and balance. RMCI's equipment accurately detects emerging problems well in advance to prevent mission interruption, collateral damage of components, reduce maintenance costs, and other possible incidents. The XRDS is currently supported on 15 different airframes, and fixed wing aircraft. The use of RMCI's new technology enhances the ability of the EC-135 operator to accomplish their mission with reduced costs and increased safety.

The XRDS has proven examples of early identification of emerging failures 100 flight hours prior to any other indication of failure: pinpointing truly faulty components while providing no false indication or faults. The XRDS is extremely lightweight, and is designed with powerful on-board real-time processing capability and powerful analytics and easy to use groundstation software. It is also designed for growth and to incorporate future sensors and advanced technology – Hence the name “Expandable”.

RMCI is a leader in rotorcraft science and technology: with a background of expert scientific support for rotors and dynamic components for more than 3,000 military helicopters. Providing comprehensive mechanical diagnostics of the entire drive train, advanced rotor smoothing and flight data monitoring, RMCI has developed the fully qualified and STC'd Expandable Rotorcraft Diagnostic System (XRDS). RMCI is a service-disabled veteran owned company based in Huntsville, Alabama, and is the recipient of the 2019 Governor's International Trade Excellence Award.

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