



EMBRAER SIGNS AHEAD AGREEMENT WITH VIRGIN AUSTRALIA FOR PREDICTIVE MAINTENANCE SUPPORT

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Embraer signed a long-term agreement with Virgin Australia to equip its E2 fleet with the AHEAD (Aircraft Health Analysis and Diagnosis) system. The solution helps airlines implement digital predictive maintenance on their E-Jet fleets, using data to identify and predict potential issues before they become critical. AHEAD provides real-time monitoring of systems including the Auxiliary Power Unit, fuel, pneumatics, hydraulics, avionics, engines, navigation, air conditioning, and flight controls.

The platform collects data both in-flight and on the ground, applying analytics and predictive algorithms to support proactive maintenance. These capabilities help operators reduce unscheduled downtime, and optimize fleet availability. AHEAD also provides valuable help by lowering both operational costs and CO2 emissions, by eliminating avoidable fuel burns linked to maintenance issues.

Virgin Australia Regional Airlines Executive General Manager, Nathan Miller commented: “Our E2 jets are a game-changer, delivering a more reliable, efficient and comfortable experience for our

customers. The AHEAD tool will help us stay in front of maintenance issues, ensuring we are getting the very best out of our new aircraft and helping us strengthen operational performance across our network.”



Carlos Naufel, President and CEO, Embraer Services & Support stated: “This agreement with Virgin Australia underscores Embraer’s commitment to driving digital innovation in aviation. By integrating the AHEAD platform into the E2 fleet, we are enabling predictive maintenance that reduces unscheduled downtime, optimizes operational efficiency, and lowers maintenance costs. These capabilities help Virgin Australia maximize fleet availability and improve overall operational performance.”

Virgin Australia has eight firm orders for E2 jets and has already taken delivery of two aircraft. The airline’s E190-E2 fleet is based in Perth and operated by Virgin Australia Regional Airlines.



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