

As innovators and a leader in smart, digital vertical-lift aircraft, Bell is now the first OEM to introduce a Health and Usage Monitoring System (HUMS) for a light single-engine aircraft. The Bell 407 HUMS monitoring covers drive system, engine, rotors, and it provides estimates of remaining useful life to help bring predictability to maintenance needs.

Lightweight, cost-sensitive and the latest technology, the GPMS Foresight MX HUMS uses a breakthrough “smart sensor” architecture to allow all sensor data to be gathered in seconds compared to legacy HUMS which may take up to 20 minutes. Faster data acquisition allows the system to gather data more often for more accurate diagnosis. GPMS solution also provides innovative signal filtering technology and prognostic algorithms which enhance reporting accuracy.

Operators with HUMS equipped aircraft, once registered with the Bell, will be able to access data on mobile devices, using MissionLink™, an innovative off-board data platform that delivers intuitive analysis to customers. All aircraft data can will be available in a single system dashboard with an easy-to-use data-landing page available on the customer’s smart phone mobile device. This allows our customers’ aircraft to communicate how it is performing, provide historical trends/analysis and detailed health vitals on core components.

ABOUT BELL

Thinking above and beyond is what we do. For more than 80 years, we’ve been reimagining the experience of flight – and where it can take us.

We are pioneers. We were the first to break the sound barrier and to certify a commercial helicopter. We were aboard NASA’s first lunar mission and brought advanced tiltrotor systems to market. Today, we’re defining the future of on-demand mobility.

Headquartered in Fort Worth, Texas – as a wholly-owned subsidiary of Textron Inc., – we have strategic locations around the globe. And with nearly one quarter of our workforce having served, helping our military achieve their missions is a passion of ours.

Above all, our breakthrough innovations deliver exceptional experiences to our customers. Efficiently. Reliably. And always, with safety at the forefront.

About Textron Inc.

Textron Inc. is a multi-industry company that leverages its global network of aircraft, defense, industrial and finance businesses to provide customers with innovative solutions and services. Textron is known around the world for its powerful brands such as Bell Helicopter, Cessna, Beechcraft, Hawker, Jacobsen, Kautex, Lycoming, E-Z-GO, Greenlee, Textron Off Road, Arctic Cat, Textron Systems, and TRU Simulation + Training. For more information, visit: www.textron.com.

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