Why monitor rotorcraft health?
Operation and maintenance can account for more than half of a rotorcraft’s total cost of ownership, but monitoring health and usage can reduce those maintenance costs by more than 15% and reduce unscheduled downtime by nearly 50%. Lightweight embedded wireless sensor networks maximize structural life, optimize the schedule and cost of maintenance practices, and enhance platform safety.

 LORD MicroStrain wireless monitoring:
- correlates health data with flight regime
- is small, lightweight, and easy-to-integrate
- allows operators to customize monitoring
- eliminates need for slip rings and heavy wiring
- has been proven in applications around the world
LORD MicroStrain G-Link® and SG-Link® LXRS® Wireless Nodes

- Multi-channel nodes with internal temperature sensor
- Deployment up to 2 km from wireless base station
- Continuous data sampling range: once per hour to 512 Hz
- Operating temperature range: -20 to 60° C
- LXRS® proprietary protocol: Lossless Extended Range Synchronized wireless data
- Low power consumption, rechargeable battery
- IP65/66 environmental enclosures available
- Data storage: local and/or forwarded to SensorCloud™ server (when integrated)

LORD MicroStrain SG-Link™-LXRS®
Wireless Strain Gauge Input Node

58 x 50 x 21 mm
42 grams
Differential analog channel
Single-ended analog channel

LORD MicroStrain G-Link™-LXRS®
Wireless Accelerometer Node

58 x 43 x 21 mm
40 grams
Tri-axial MEMS accelerometer (3 ch.)

All solutions are backed by LORD MicroStrain’s world-recognized Support Staff.
For pricing and ordering information, contact LORD MicroStrain Sales: 800.449.3878