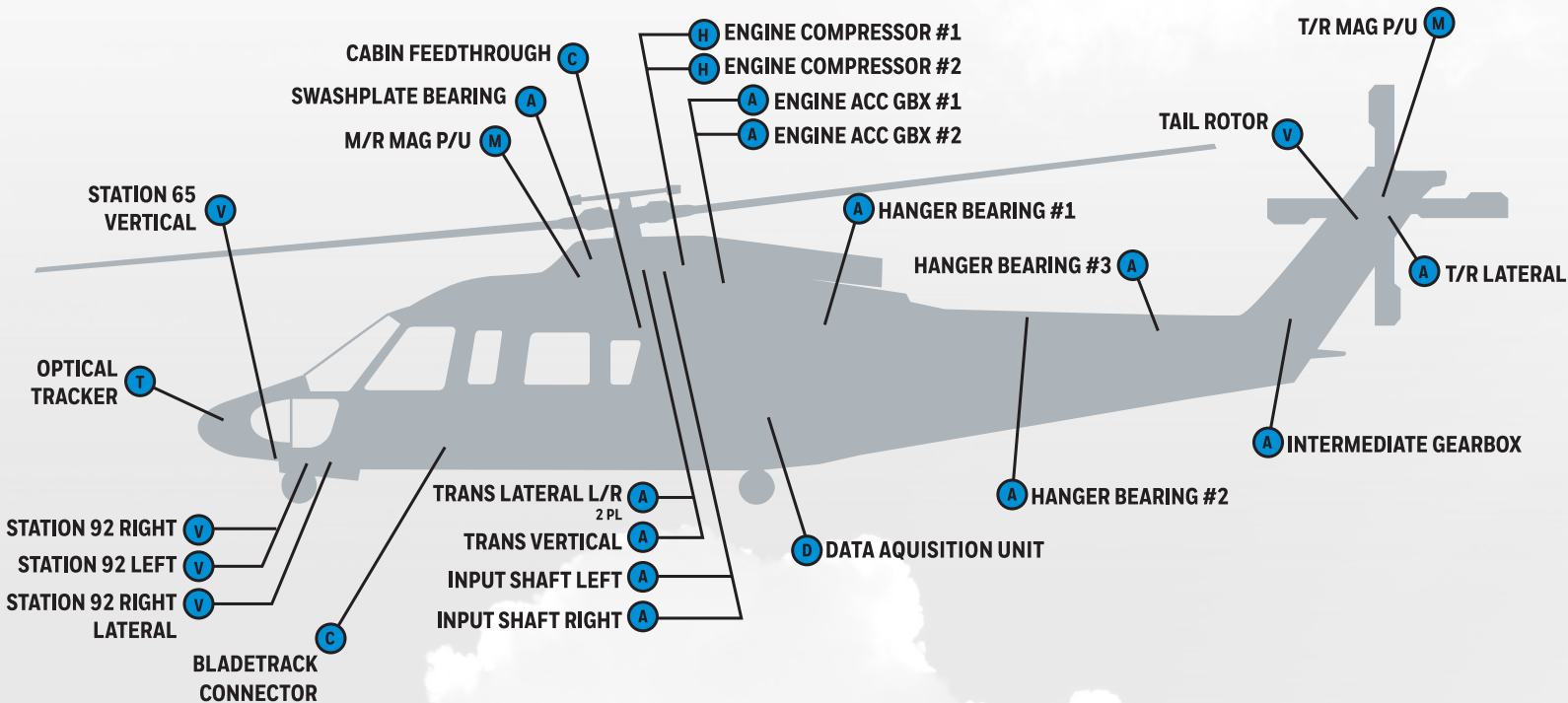


# HEALTH AND USAGE MONITORING SYSTEM (HUMS)

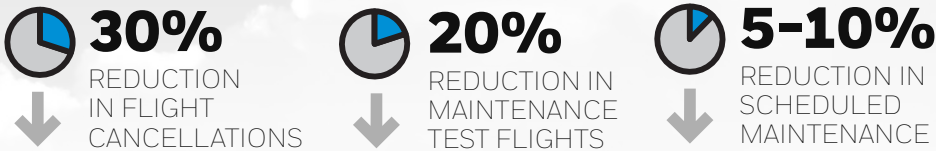
HUMS is a sensor-based monitoring system that enables Condition-Based Maintenance by measuring the health and performance of mission-critical components on aircraft.

- Continuous vibration monitoring of drivetrain
  - Performs Rotor, Track and Balance
- Provides actionable information for informed maintenance decisions
- Pinpoints mechanical faults before they become catastrophic failures

## TYPICAL INSTALLATION





## HUMS BY THE NUMBERS



## BENEFITS OF CONDITION-BASED MAINTENANCE (CBM)

**↑**  **ENHANCES SAFETY**  
A proactive approach heads off accidents before they happen. Data signaling potential problems on one aircraft can be used to comprehensively analyze an entire fleet.

**↑**  **INCREASES AVAILABILITY**  
Better maintenance planning means less unplanned downtime, faster turnaround and increased mission readiness to support the operator.

**↓**  **REDUCES COSTS**  
CBM substantially cuts maintenance/operating costs in the near term and over the life cycle of the rotocraft and avoids costs of spares usage, dedicated test flights and asset recapitalization. potential problems on one aircraft can be used to comprehensively analyze an entire fleet.

## WHAT PROBLEMS DOES CBM ADDRESS?

- Is my equipment ready now?
- Is it safe to fly?
- How many aircraft are prepared for flight today?
- What parts do I need for repair next week/month?
- What can I do to improve overall fleet availability and cost containment next year?