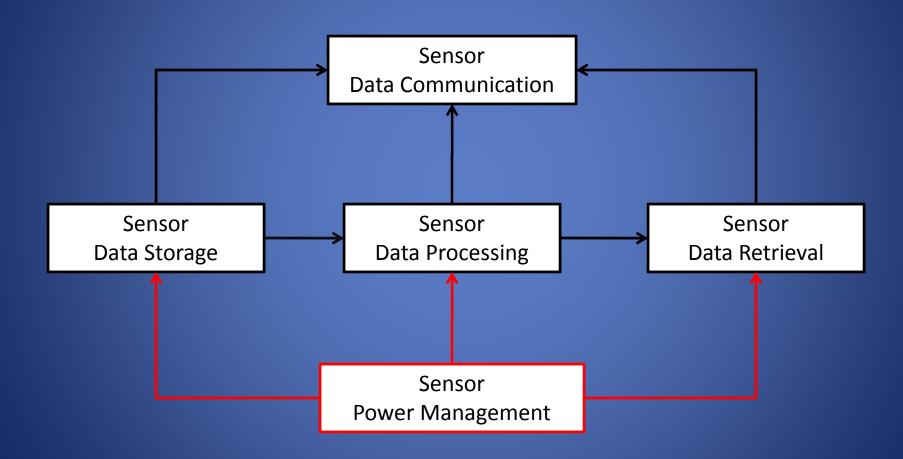
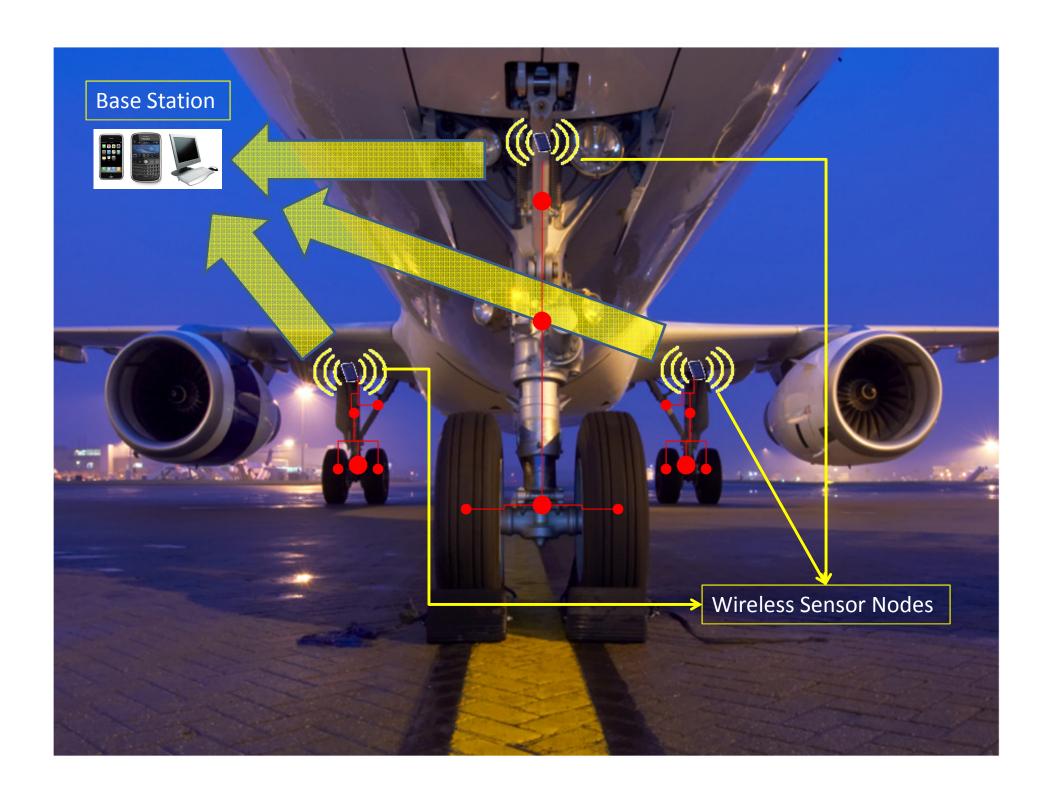
Health Monitoring System for Aircraft Systems Using Smart Sensors Networks

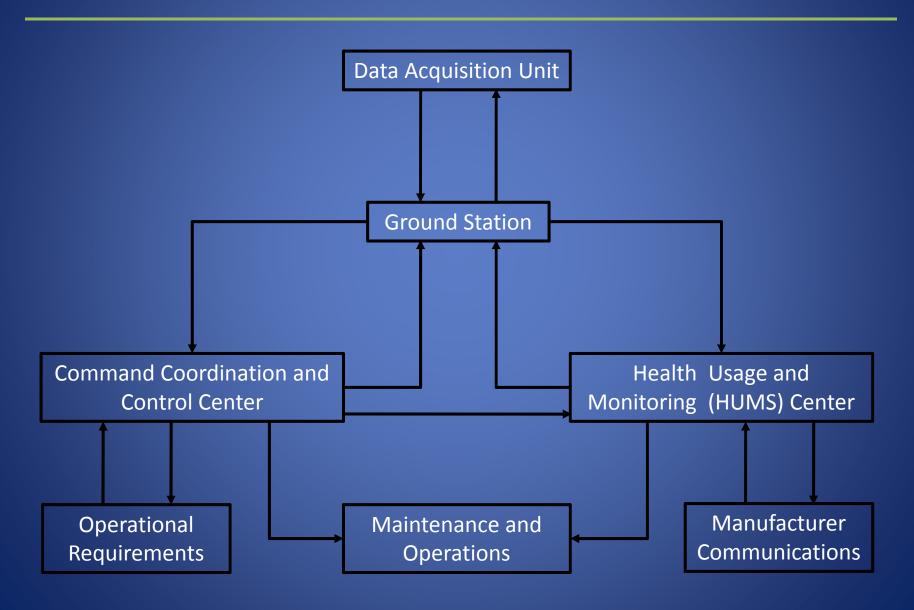


Sensor Networking





Architecture of the Health Usage and Monitoring System



Top Level Requirements

- 1. Fault detection, diagnosis, and isolation. The algorithm must be capable of detecting and isolating faulty condition of aircraft systems at the component level.
- 2. Sensor data and sensor selection: Type of sensors and the associated characteristics of the data transmitted must be compatible with the algorithms.
- 3. System must be scalable, reliable and meet all environmental requirements.