

ICS

INTEGRATED COCKPIT SENSING



Air Quality Monitoring

- Oxygen
- Carbon Dioxide
- Air Pressure



Pilot Vital Signs

- Heart Rate/HRV
- Core Temp
- Blood/tissue



Flight (Cockpit) Environment

- Cabin Pressure
- Cabin Temp
- Acceleration



Respiratory Function

- Respiratory Rate Data
- Breathing
- Metabolic Rate

Air Quality Sensor

Cockpit Environment Sensors

Pilot Vital Signs

Other Sensors

Real-time data from pilot worn sensors

Data Processing



Post-flight download for long-term storage & advanced analytics



Pilot receives alerts, provides input, & has access to real-time data

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