



ADAPT™

More than data collection and transmission

Embedded, real-time, on board diagnostics for Unmanned Systems
true autonomous mission execution

ANALYZE: Acquires and analyzes data on platform against normal baseline

DIAGNOSE: Diagnoses faults and rates the current health of the equipment. Transmits alarms to the platform Command and Control (C2) module and the embedded historian.

ADJUST: Actionable information is used by the Unmanned Vehicle Command and Control (no operator interaction) allowing C2 to react and modify mission requirements based on equipment health providing true autonomy.

PROCEED: Mission requirement and operations are modified based on diagnostic alerts and alarms allowing mission to proceed accordingly. Historian diagnostic and trend data provides depots the identified action requirements and decision support information to reduce downtime and increase mission readiness for future operations.

TECHNOLOGY: ADAPT™ provides an ISO13374 Open System Architecture for Condition-based Maintenance (OSA-CBM) and operation (CBO) of the vehicle. Computer processor, communication, and data interface of the platform infrastructure are used to minimize impact of the hardware/software solution. Can be implemented as a JAUS compatible node, providing or pushing diagnostic health data to the vehicle and/or remote operators. This makes ADAPT™ truly plug and play.