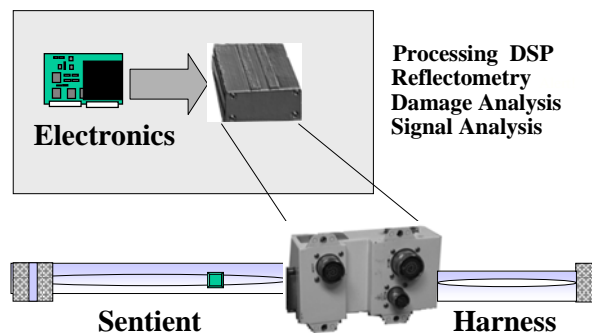




Sentient Wiring™

Sentient Wiring™ Systems (SWS) are computerized harnesses used for condition based maintenance (CBM) and automated troubleshooting. SWS are designed as a generic embedded component in the system wiring harness. SWS can be easily configured into a junction box in wiring system. SWS electronics and sensors monitor signals and integrity. For SWS ordinary harnesses are replaced with equivalent harnesses made with conventional connectors and wires fitted with Sentient wiring integration units. The SWS serves two purposes; first, to inspect the wiring system for damage, and second, to monitor the signals flowing through the wiring. SWS provide monitoring wiring for current, voltage, opens and shorts.



Applications

SWS address the problem of monitoring the signatures of operating equipment. The SWS also provides a means for detecting shorts and opens in aging wiring that plagues military and commercial airlines. The SWS was originally developed for high value aircraft systems such as engines; however, the generalized SWS design can be used in trucks, electrical power plants, facilities, factories, ships and buildings.

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