

According to data of NASA (1), some of the systems where it is possible to take technological alternatives to wires and connectors is adaptive modular instrumentation.

1. The only wireless data acquirer and the active sensor tags provide belt instrumentation with remote access
2. No energy RFID and with passive sensor tags that provide direct access to sensors with no batteries or wires in a determined distance.
3. Sturdy radios and adaptive that attach characteristics to optimize the RF communication by the interferences/low signal noise.
4. RF interoperability onboard and frequencies authorizations that are approved internationally through air space.
5. Adaptive instrumentation Hubs, that are made with standards of the avionic “plug-and-play” for its quick configuration.
6. Data transmission in energy points is certified for certain applications.
7. Optic fiber systems are “plug-and-play” for measurement of high density with high data.
8. Coatings and shielding of the illumination weight which are developed for interferences RF and EMI/EMC
9. Instrumentation tests “Ground-and-Flight”.
10. Wireless connection for acquisition of standalone data o direct to sensors.