

## Battery

Once selected the information process of the aircraft systems, it was given the task to find the best way to not implement wiring, this entails the isolation of the systems in physical form of the energy components of the aircraft, thus it was needed an independent source where the new wireless components can operate, which could be batteries. The problem of using the batteries is that they would have to load constantly and it would have a problem of maintenance, even when using a central battery, the battery charge would have an easy usage, but the wiring system would still be a problem, since the percentage of reduction would be minimum.

In an investigation on the NASA database (4), it was achieved to obtain information of the piezoelectrics sensors, which were previously inquired. The reports explained that in most cases of the space missions, they last a lot of time, even decades, so having batteries that require a lot of space is so counterproductive in terms of space optimization, since deleting these batteries can substitute the areas that are used by useful equipment that support the tripulation, combined with these, other complications are the risk of explosions, they're inconvenients with reloads and their lifetime doesn't last a lot.