



ELECTRICITY GENERATION USING MOTION AND VIBRATION



-  **SCHOOL:** ESCUELA SECUNDARIA DE LA UPR
-  **LOCATION:** SAN JUAN, PR
-  **FLIGHT PROVIDER:** ASTROBOTIC
-  **GRADES:** HIGH SCHOOL

STUDENT EXPERIMENT DESCRIPTION

Our experiment uses piezoelectricity and electromagnetic induction to generate electricity from movement. We hypothesize there will be more electricity generated during the start and end of the flight rather than the middle, due to turbulence caused by altitude change. This experiment was inspired by ideas of creating more sustainable electricity, drawing inspiration from vortex windmills. We hope our experiment will inspire others to find more ways to generate clean energy.