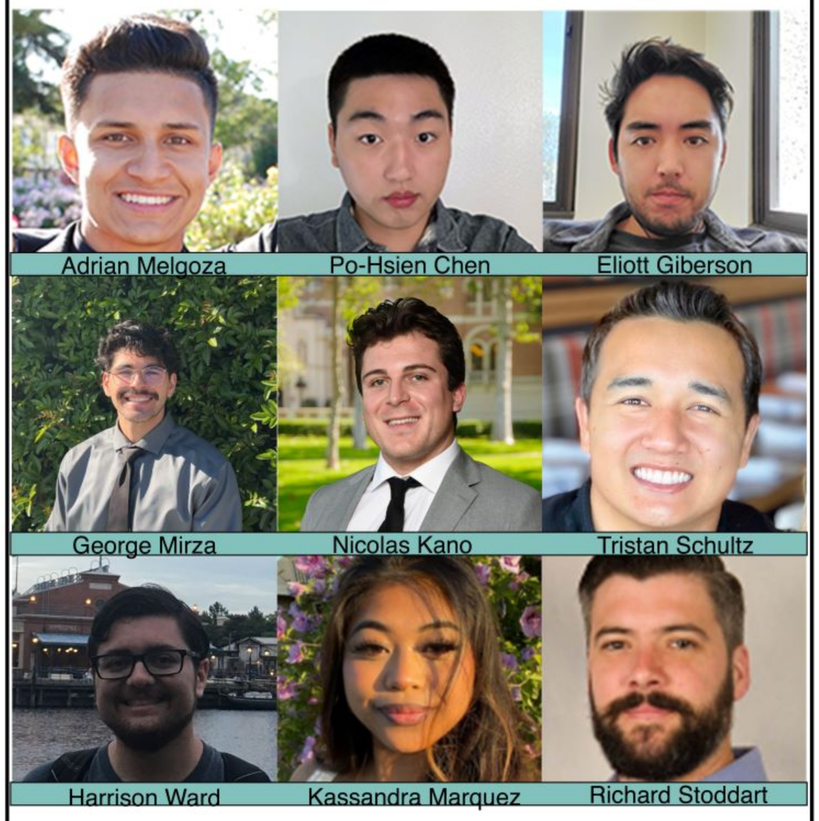
Beach Bluff Collapse Prevention System
Project Sponsor: Dr. Paolini

PROJECT OVERVIEW

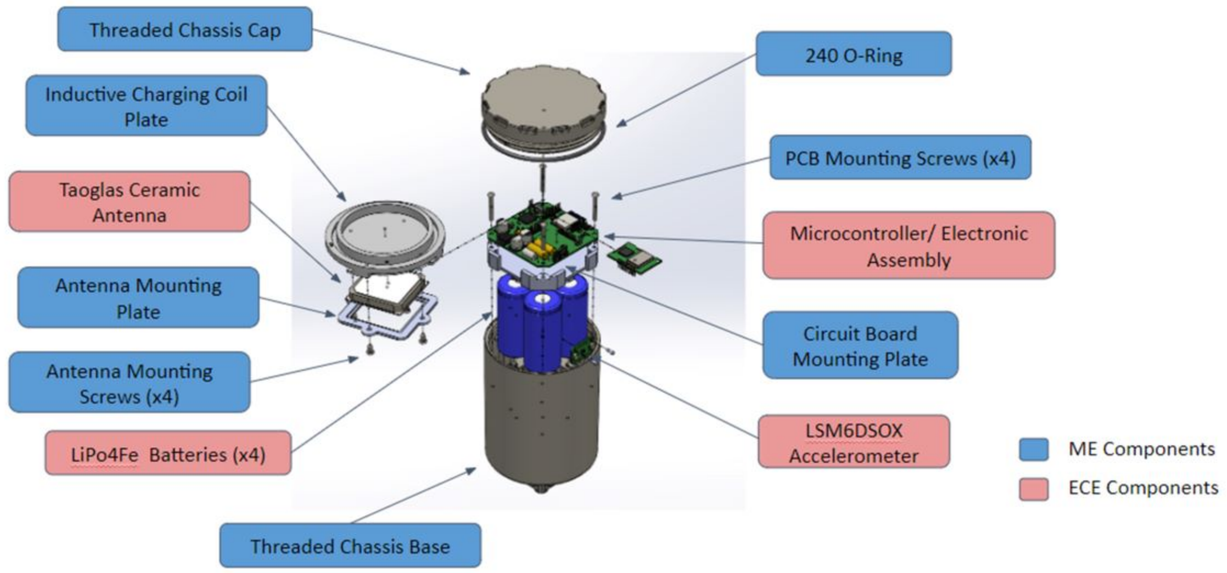
The goal of this project is to produce a long range, low cost, wireless seismic sensor that can be embedded near the surface of at risk beach bluffs. It's designed to aggregate vibrational, temperature, conductivity, and tilt data. Data collected will allow scientists to better study and forecast when the threat of an imminent cliff collapse is present.

Cliff Sense, Is a joint team of future Mechanical, Electrical, and Software Engineers. We designed a system which collects data from bluff collapses, and wirelessly transmits relevant telemetry to a LoRa base station.

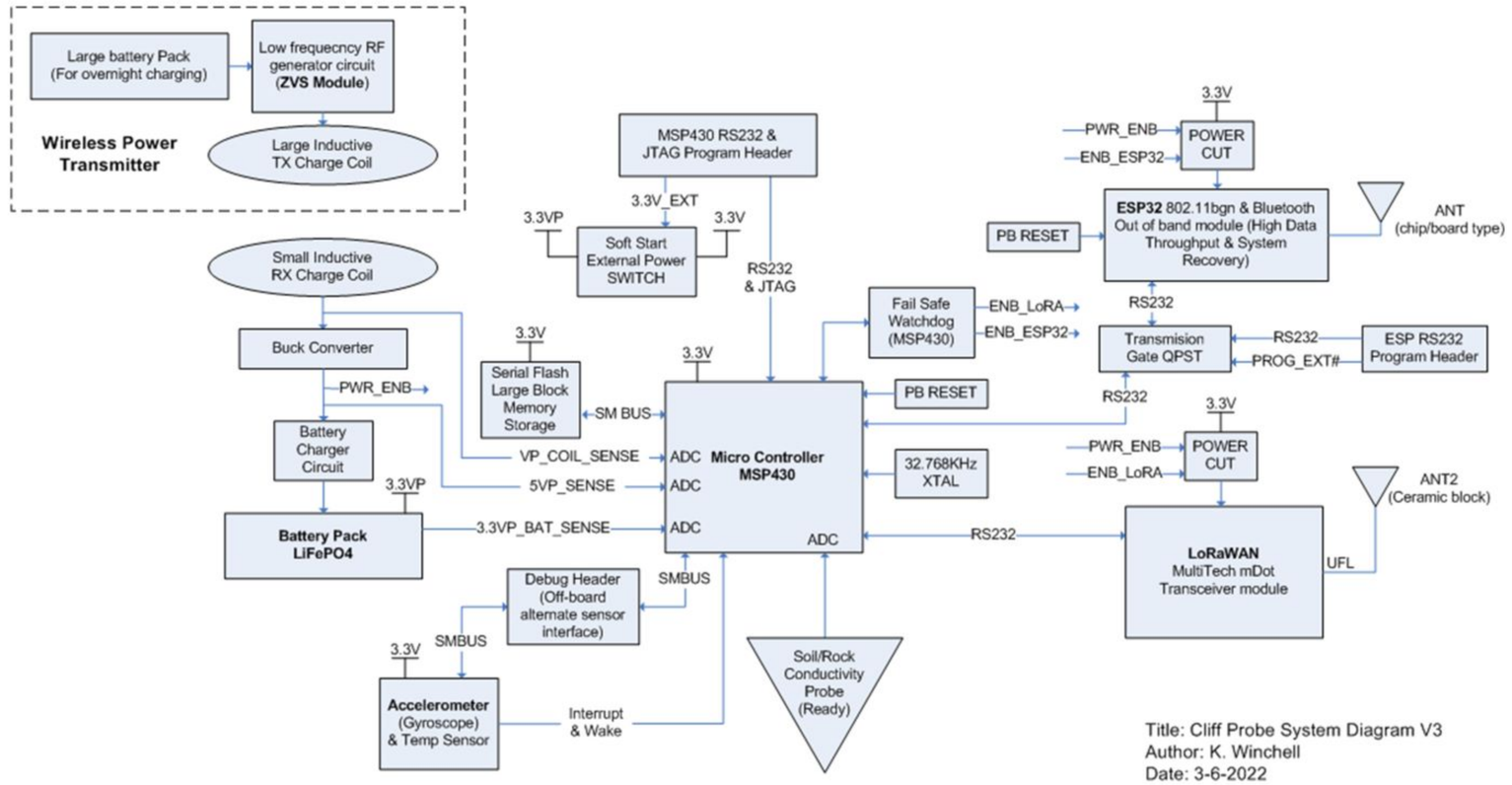
THE TEAM



Including: Kevin Winchell



SYSTEM LEVEL DIAGRAM



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