Overview
The San Diego Zoo Wildlife Alliance, the sponsor of this project, has teamed up with Trunk Tech to develop an anklet for African elephants to monitor their behavior patterns. Utilizing LoraWAN technology, the device transmits data logging status and incorporates an accelerometer for movement data collection. Designed with a tamper-proof enclosure, it withstands elements in desert conditions and is resistant to water and high-impact forces. This collaboration seeks to leverage technology to safeguard wild elephant populations, starting with deployment at their partner site in Kenya.

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San Diego Wildlife Alliance
Katie Garwood, Kyra Swanson, Ian Ingram, and the Elephant Care Staff
San Diego State University
Dr. Scott Shaffar and Professor Barry Dorr

System Level Diagram

Final Design

Testing and Manufacturing

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