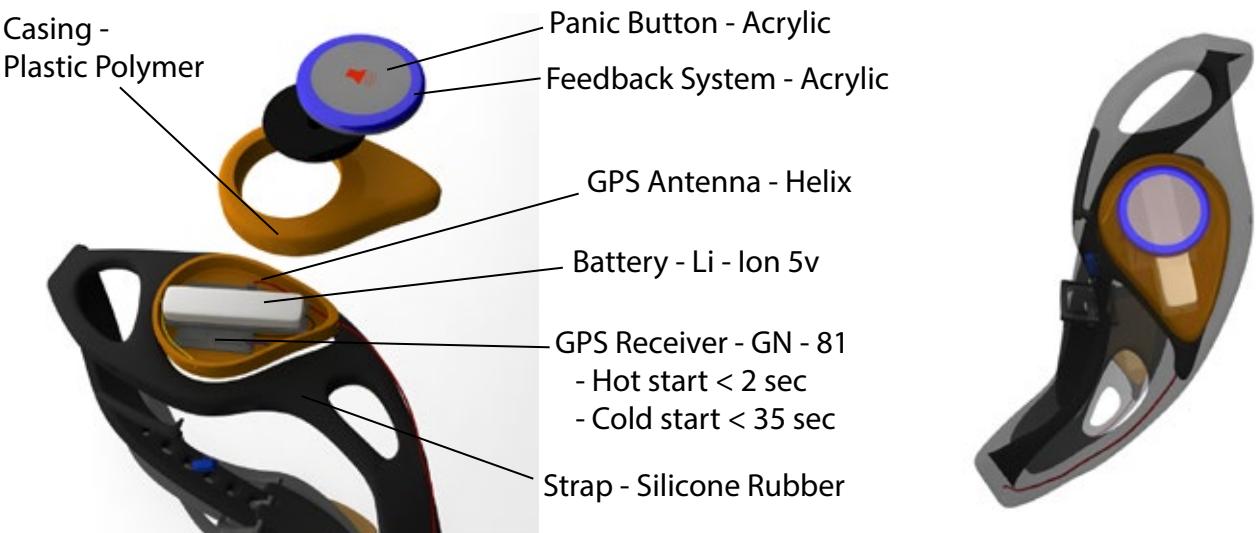


Red Sea System

A safety GPS based communication system that allows swimmers to call for help in case of an emergency in the water. The system was designed in collaboration with the Life Saving Society Organization.



The system includes a small, comfortable and esthetically pleasing wristband designed for beach use and equipped with a panic button built for ease of activation in an emergency situation.



Victim presses the panic button



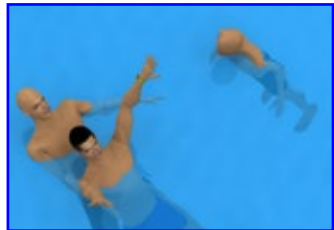
GPS signal activates alarm at the beach and lifeguard station



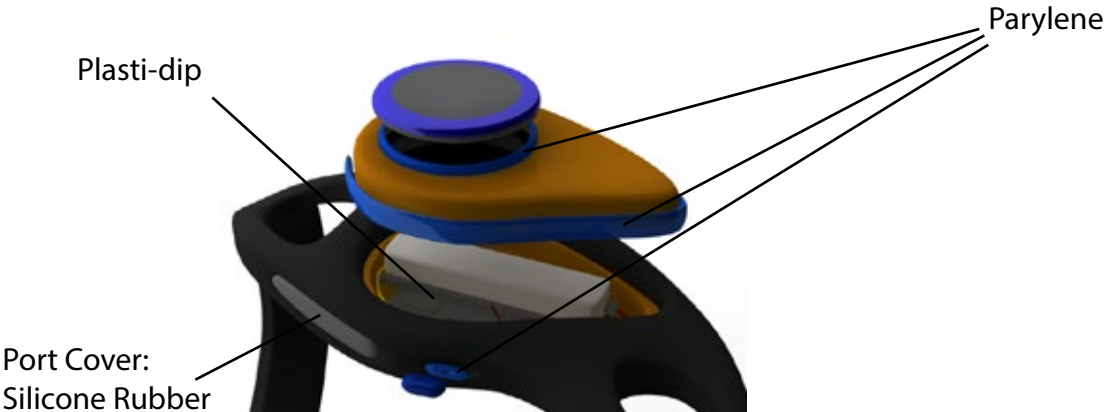
Victim is being rescued by rescue services.



Victim is being rescued by other swimmers

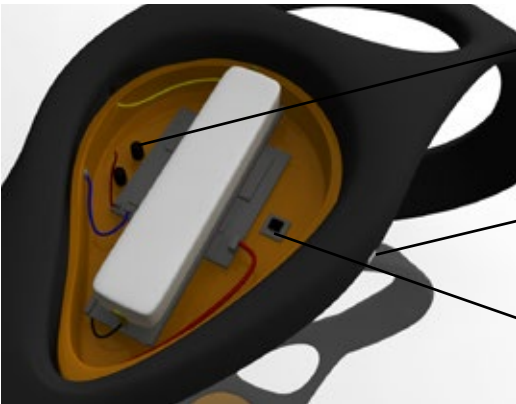


Waterproof System:



Future development directions:

In the future, when technology will be smaller, cheaper, and more reliable, sensors will be able to accurately detect hands movement of a drowning person, and send SOS signal automatically



Gyroscope

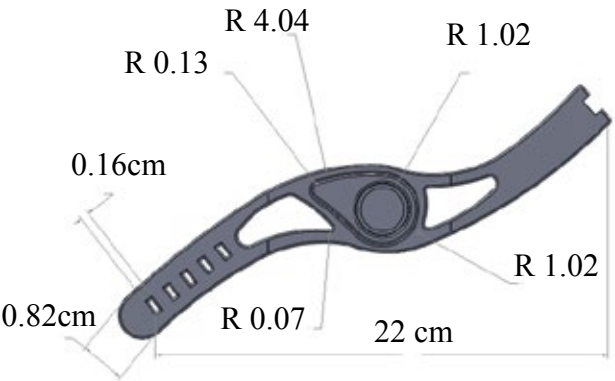


Moisture sensor



accelerometer

Specifications:



Charging Method: Power Adapter
Working Temperature: -20 to +65 Degrees Celcius
Woking Humidity: 5% - 95%
Storage Temperature: -45 to +90 Degrees Celcius
Start Time:
- Hot Start: <2 s
- Cold Start: <35s
Accuracaty Fixed Position: 3.0 ms 2 Ds-RMS.
Speed Position: 0.1 ms/s, DGPS:0.05 ms/s
Work Temperature: -20 to +65 Degree Celsius