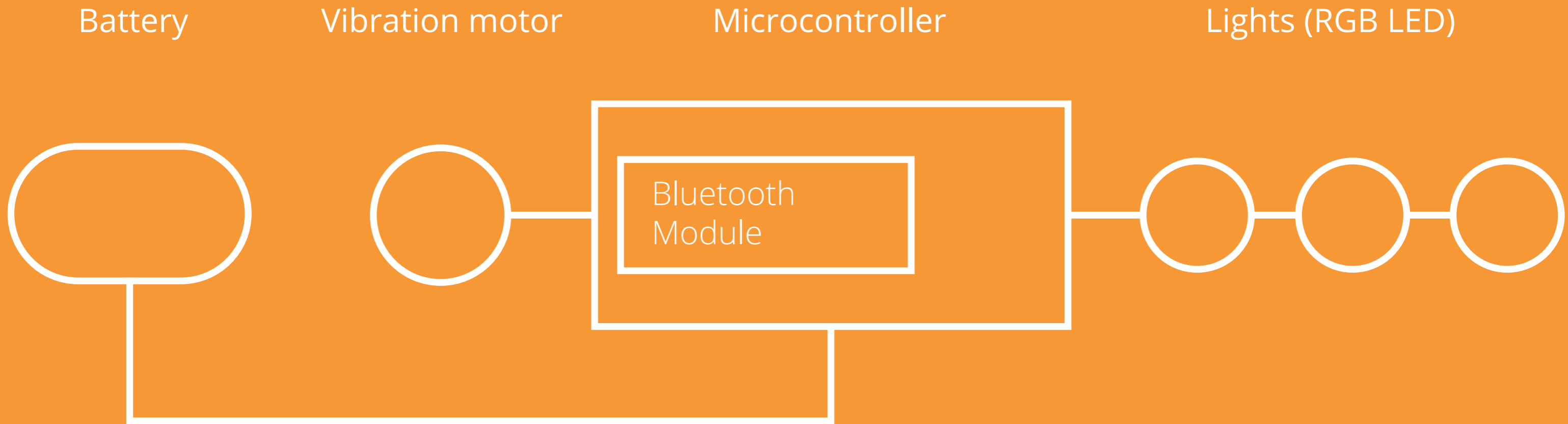


Oglow Hardware



Battery:

The Oglow is powered by a CR2032 coin cell (round) battery. This is a 3 volts battery.

Vibration motor:

The vibration motor makes the Oglow vibrate when a new Olympic event begins in which a Dutch athlete competes.

Microcontroller:

The central microcontroller was custom made for this project by Glimworm Beacons, a company specializing in bluetooth connected technologies. It uses a Bluetooth 4.0 module to connect to the user's smartphone and controls both the lights and the vibration motor.

Lights (RGB LED):

The lights in the Oglow are RGB (Red Green Blue) LEDs, which allow for a wide range of colors. Also, the brightness of the lights is controllable to create a smoother glow. This enables the creation of different patterns for different events.