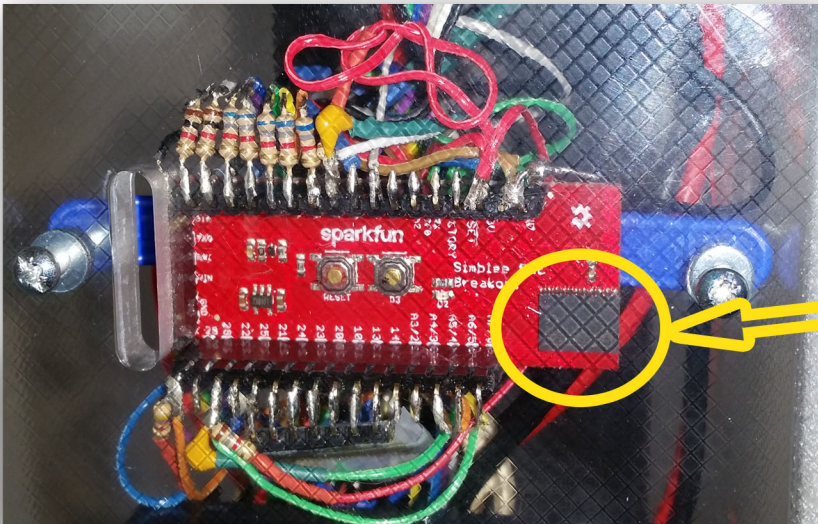




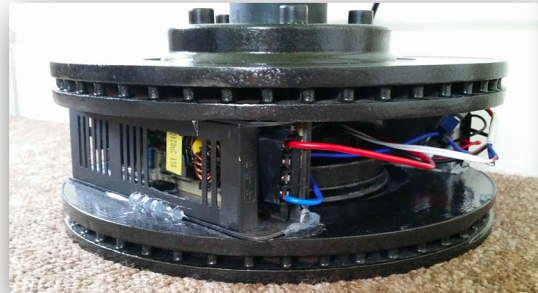
Building SunRisa: Electrical

Prof. Steve M. Potter @SteveMPotter steve.potter@gmail Dublin Maker 2017

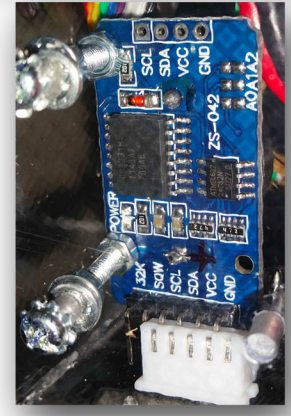
The brains: Simblee Bluetooth + Arduino board with pull-up resistors and filter capacitors



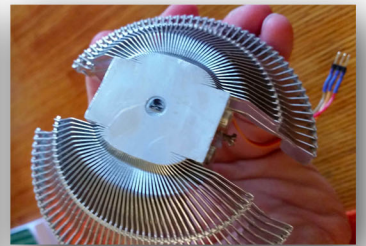
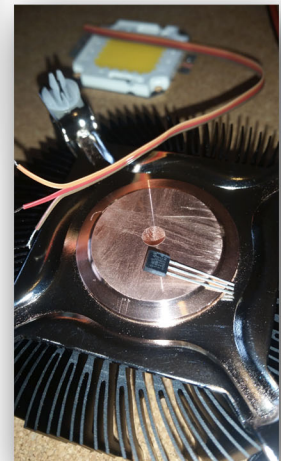
Simblee microprocessor and BLE (Bluetooth) chip



Two 24VDC 200W power supplies connected in series for 48V, sandwiched between brake disks with heatsink paste as "butter"

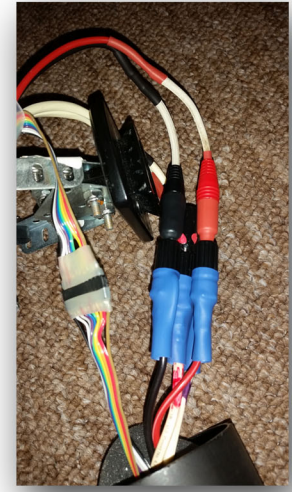


Real-time Clock (RTC) with coin cell battery

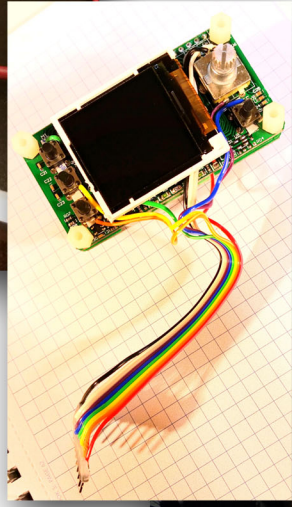
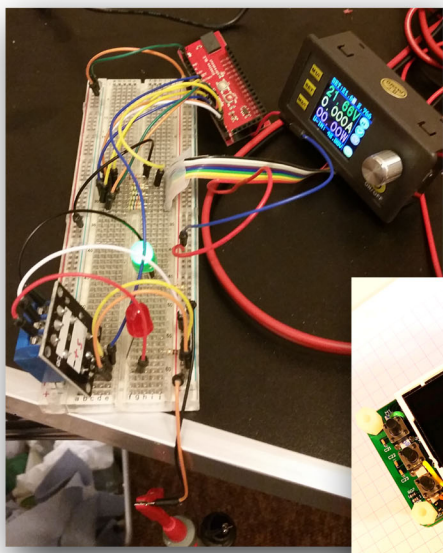


DS18B20 digital temperature sensors installed in LED heatsinks to control fan speeds

Base and luminaire connectors added for easy disassembly



My prototyping process



I hacked the DPS5005 power supplies from RuiDeng to make them controllable by Arduinos. See Instructables.com for all the details! Search for "Professor Potter"

