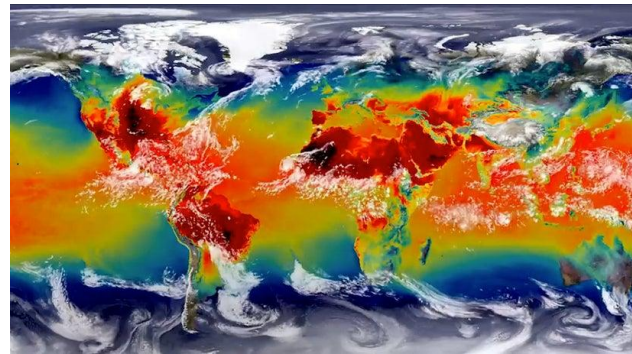
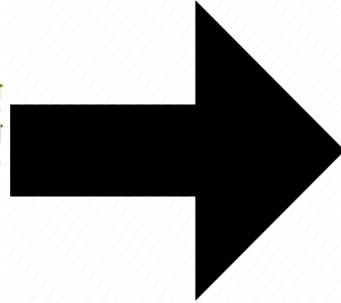


Fire Tracker

By Kaushal Ramesh, Nitish Vobilisetti, and Rohan Kaushal

The Problem

71,000



The Problem (cont.)



105,000,000
ACRES **Total**



5,400,000
ACRES **Burnt**

The Problem (cont.)

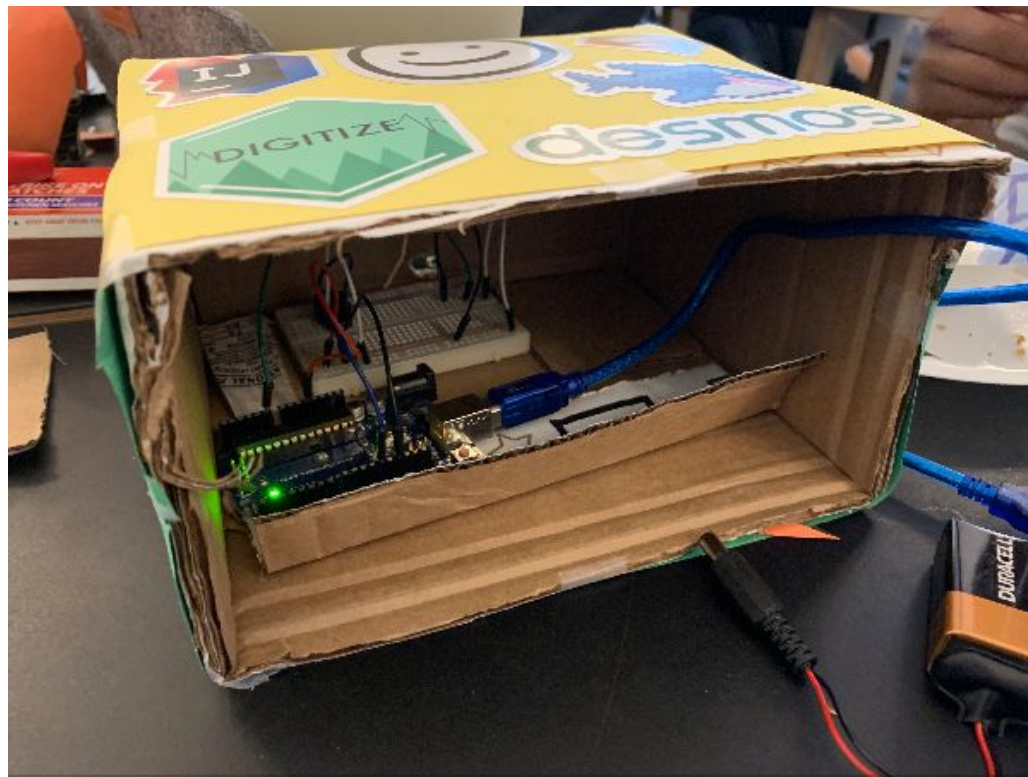
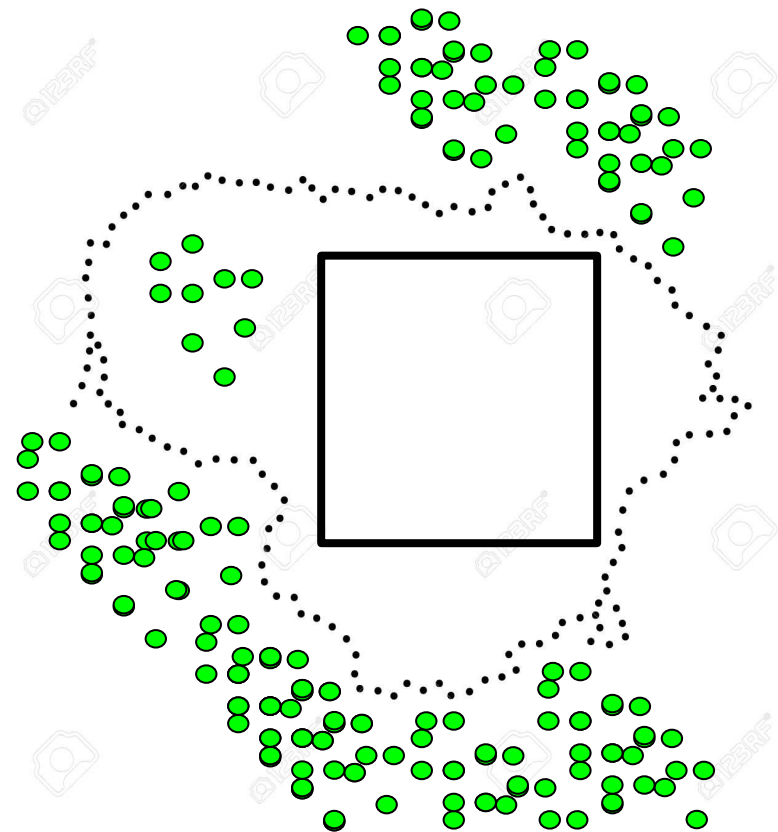
845,000,000

DOLLARS LOST Per Year

5,100,000,000

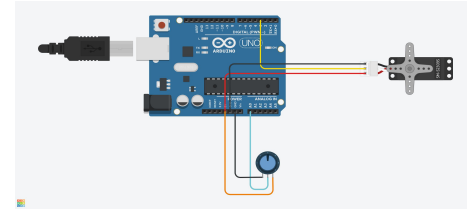
DOLLARS LOST In the last 5

Solution?



Solution (general design process)

- Detects disaster (fire)
- Passed as input into arduino IDE
- Location and time are passed to txt file
- Atom Converts in and puts it into a user friendly website
- CoolTerm produces time and location as output on website



Live Demo

Financial Aspects

- Uno Motherboard - 75 cents
- Cables & Led - \$ 1
- Breadboard Buzzer - 98 cents
- Smoke Detector / PhotoResistor - 98 cents
- Breadboard - 1 cent
- Bluetooth Component (Future Model) - \$1.60

- Total : **\$2.72 - \$4.32 per unit!**

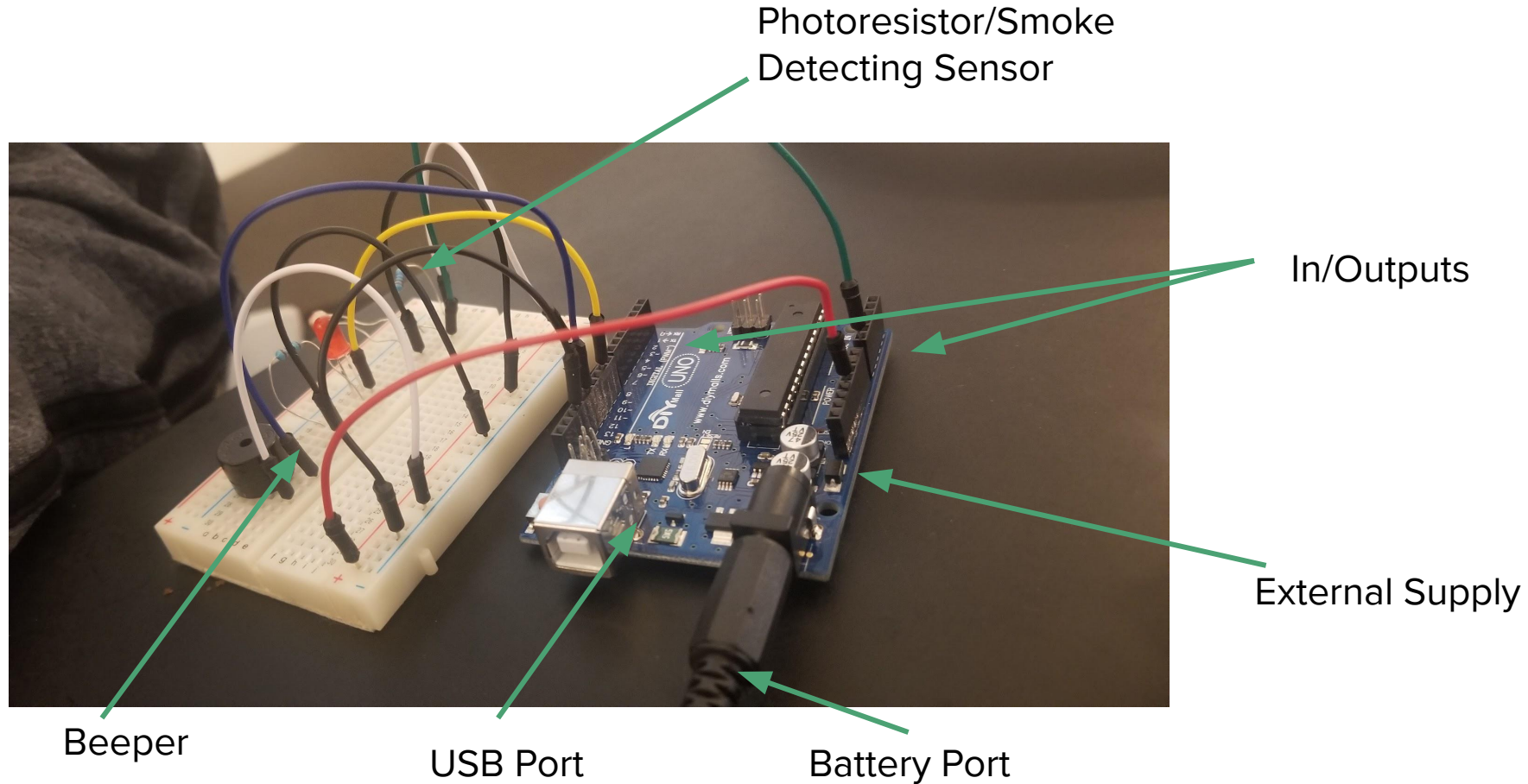


The Science

Looking at it might dazzle some but the design process is quite simple.

The photoresistor sensor picks up certain wavelengths that can be possible fires. It then sends a signal to the Uno component and that signals the actual component of the location, the time, and the intensity of the fire.

A look at the hardware

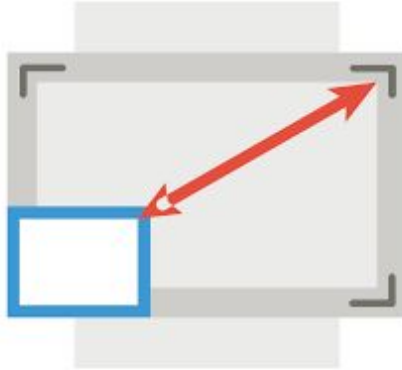


Potential Product features

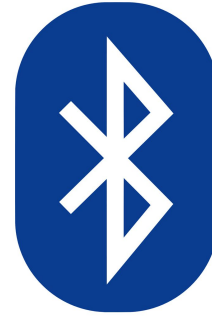
(Energy usage optimization)



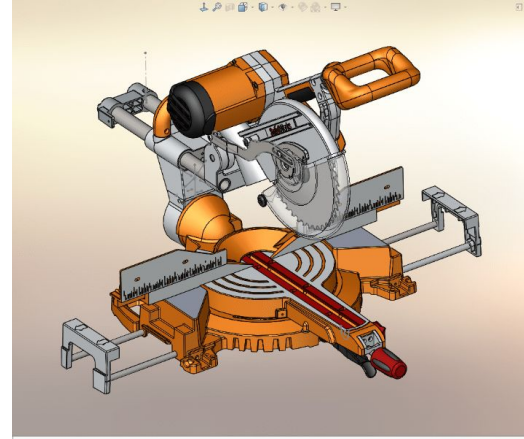
(Resizing/Amplifying Product)



(Bluetooth capabilities)



(Improving Components)



Questions?

Works Cited

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