

E-NNOVATE 2021

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E-NNOVATE 2021 EDITION: International Invention Show

June 22nd-24th 2021 - Online

September 8th-9th 2021 - Offline

Inductive leakage faucet

Main uses

Our invention is a leak reporting system. If the faucet leaks, the light will turn on immediately, and people can understand the leakage situation in the first time.



Instructions

First build the faucet and hand wash plate according to the real situation, then install the humidity sensor.



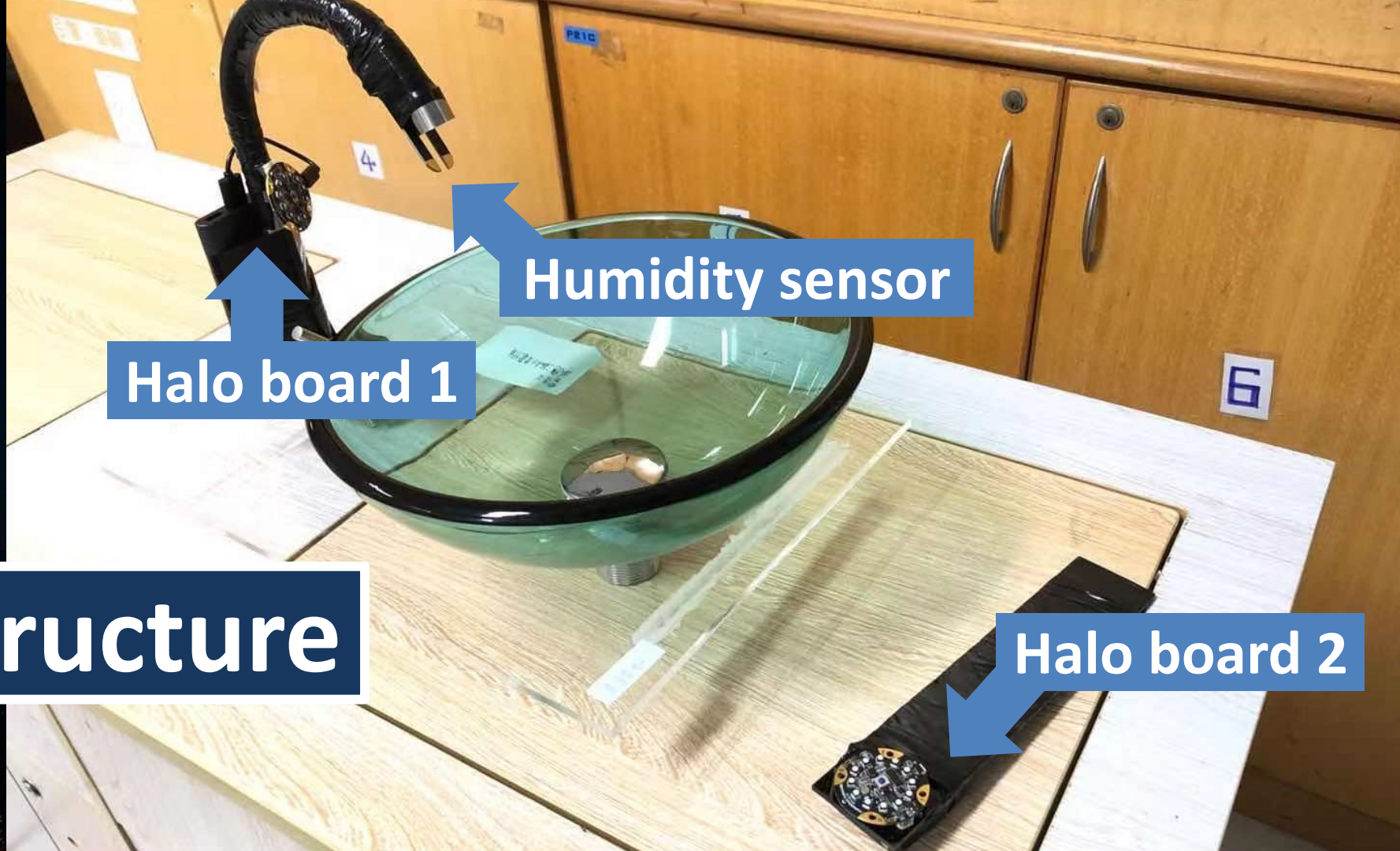
When water contacts the sensor, the lights will all light up; if there is no water, there will be no reaction.

Structure

Halo board 1

Humidity sensor

Halo board 2



Structure

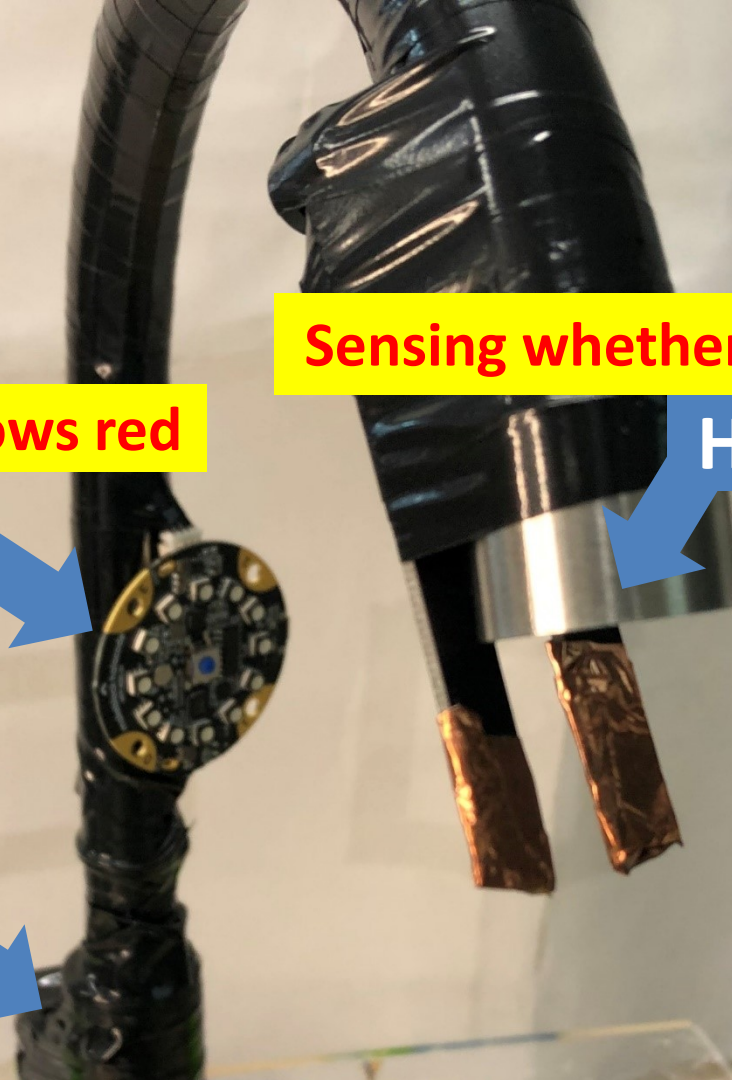
The leaking water glows red

Halo board 1

Power

Sensing whether water leaks or not

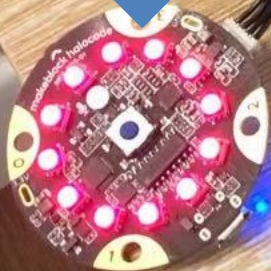
Humidity sensor



Structure

The water (pen) contacts the sensor, board 1 will light up

Halo board 1



Halo board 2

The board 2 will receive the signal and emit red light





It is water

CyberLink
PowerDirector

Advantage



1. Concept originates from life and closely links technology with daily life.
2. Halocode as the main development platform to reduce the development cost and gate.
3. Put some difficult but necessary problems to machine to improve the satisfaction of life.

Disadvantage

NOT GOOD.



1. Battery overheating and often to change.
2. Sensitivity of the sensor will affect the reaction results.
3. Replacement of battery trouble.

Improvements



1. Installation more convenient and convenient.
2. More waterproof and avoid damage.
3. How to extend the concept to other similar situations, such as air conditioner dripping water, water pipe leakage, roof leakage, etc...

Q & A

An aerial night view of a city, likely New York City, showing a dense urban landscape with numerous illuminated buildings and streets. The sky is dark, and the city lights create a vibrant contrast against the night. The text 'Q & A' is centered in the upper half of the image.

THANK YOU FOR YOUR ATTENTION