Know Snow
Problem

Cambridge City Walking Paths

Walking Paths Under Snow

Sidewalk Plow Lost in Snow
Current Solution

Snow Stakes
Know Snow

A Navigation Assisted Sensing System for Snow Plow

LED

Hall-Effect Sensors

Magnetic stripes
Can we follow a path using magnetic stripes and hall-effect sensors?
Testing

Success!
Next Steps

- A more precise simulated testing environment
- Integration with snow plow
- UI/UX communication
Appendix 1: system integration

The gas detection mechanism can be easily coupled into the existing spark mechanism of lighters.