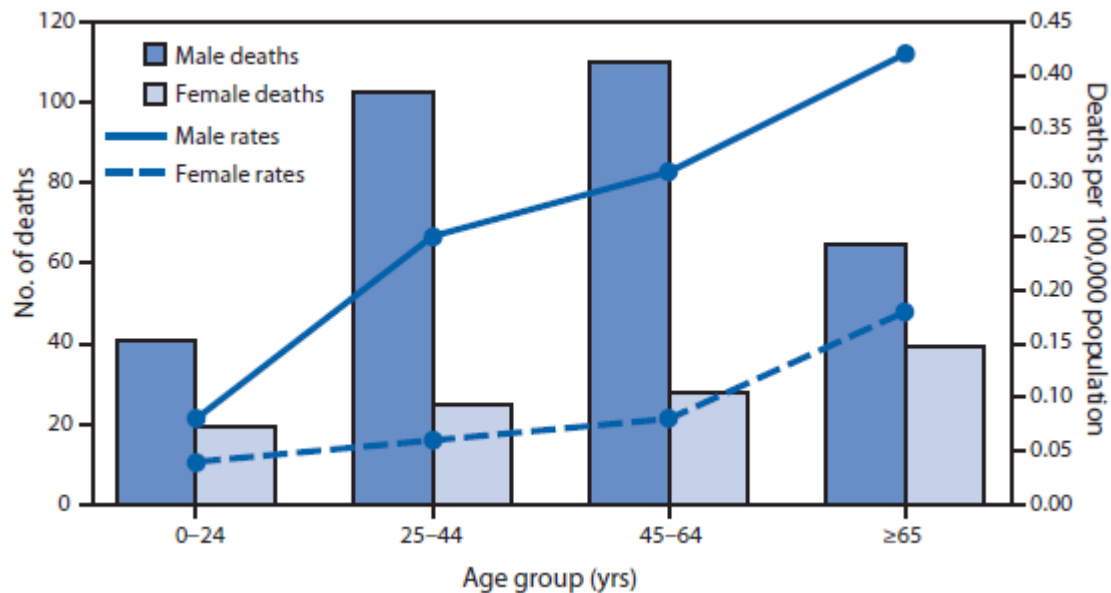# Safety from CO Poisoning

by Car Bon

Problem

Carbon monoxide (CO) is a colorless, odorless, tasteless toxic gas.

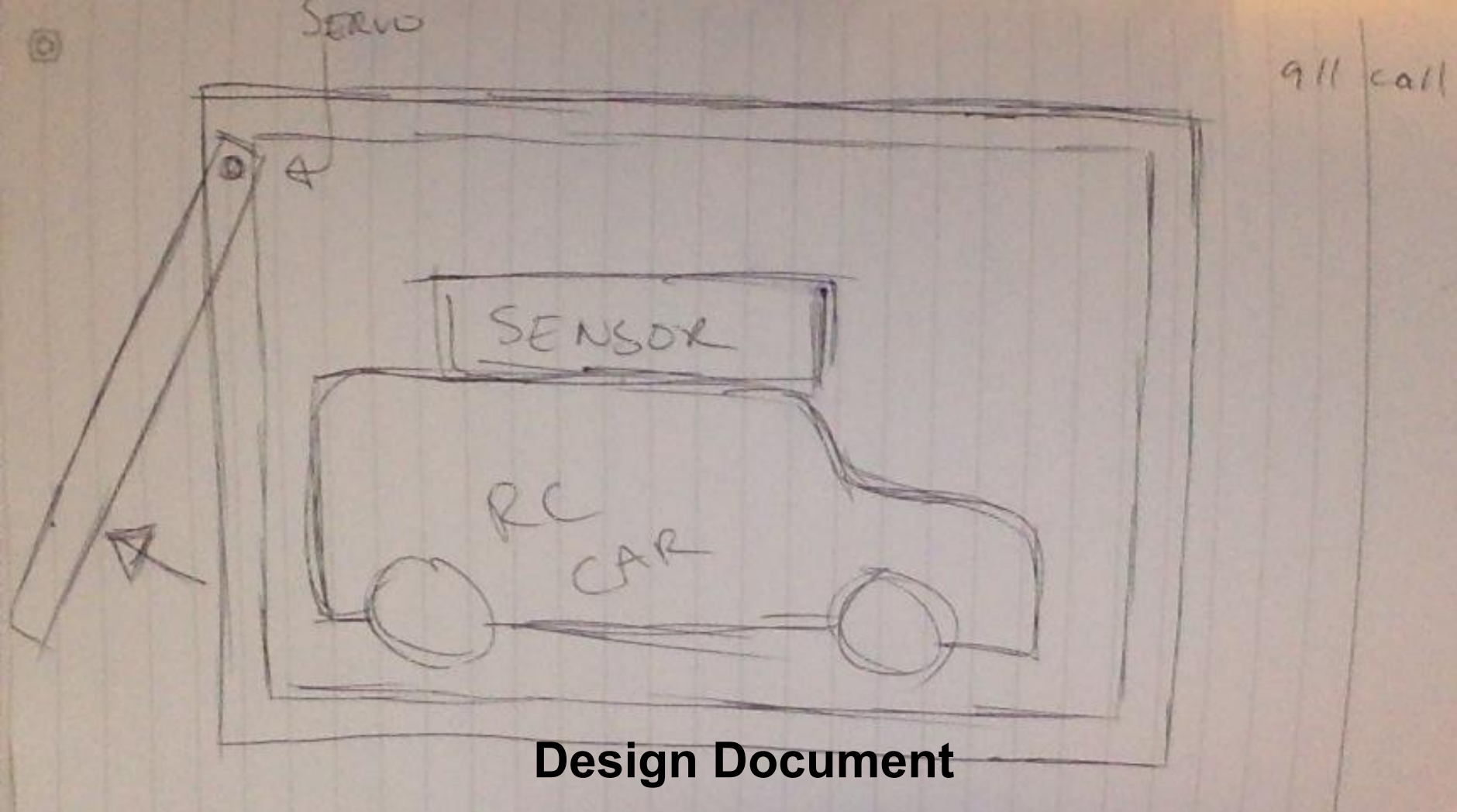During 1999–2010, a total of 5,149 deaths from unintentional carbon monoxide poisoning occurred in the United States

Carbon Monoxide Deaths

Uncounted Victims

Smaller & more vulnerable, pets are more likely to be overcome by these invisible fumes.

Servo

911 call

SENSOR

RC CAR

Design Document

Our Solution

When dangerous levels of CO are detected:
- Garage door is opened
- Car turned off
- Alert sent to phone

Technologies Used

Hardware

ARM mbed development kits

    FRDM-K64F by Freescale

    u-blox C027

Carbon Monoxide Sensor MQ-7

Arduino RedBoard by SparkFun

RC Servo

Software

AT&T's M2X

Ericsson's connected car API

Phonegap - Android, iOS, WP8

mbed IDE

Sources

Our Github: https://github.com/ryantm/attcarhomehackathon

M2X Code: http://mbed.org/teams/ATT-M2X-team/code/M2XStreamClient/

Lucas Hansen for prototyped RC Car

Photo Credit links